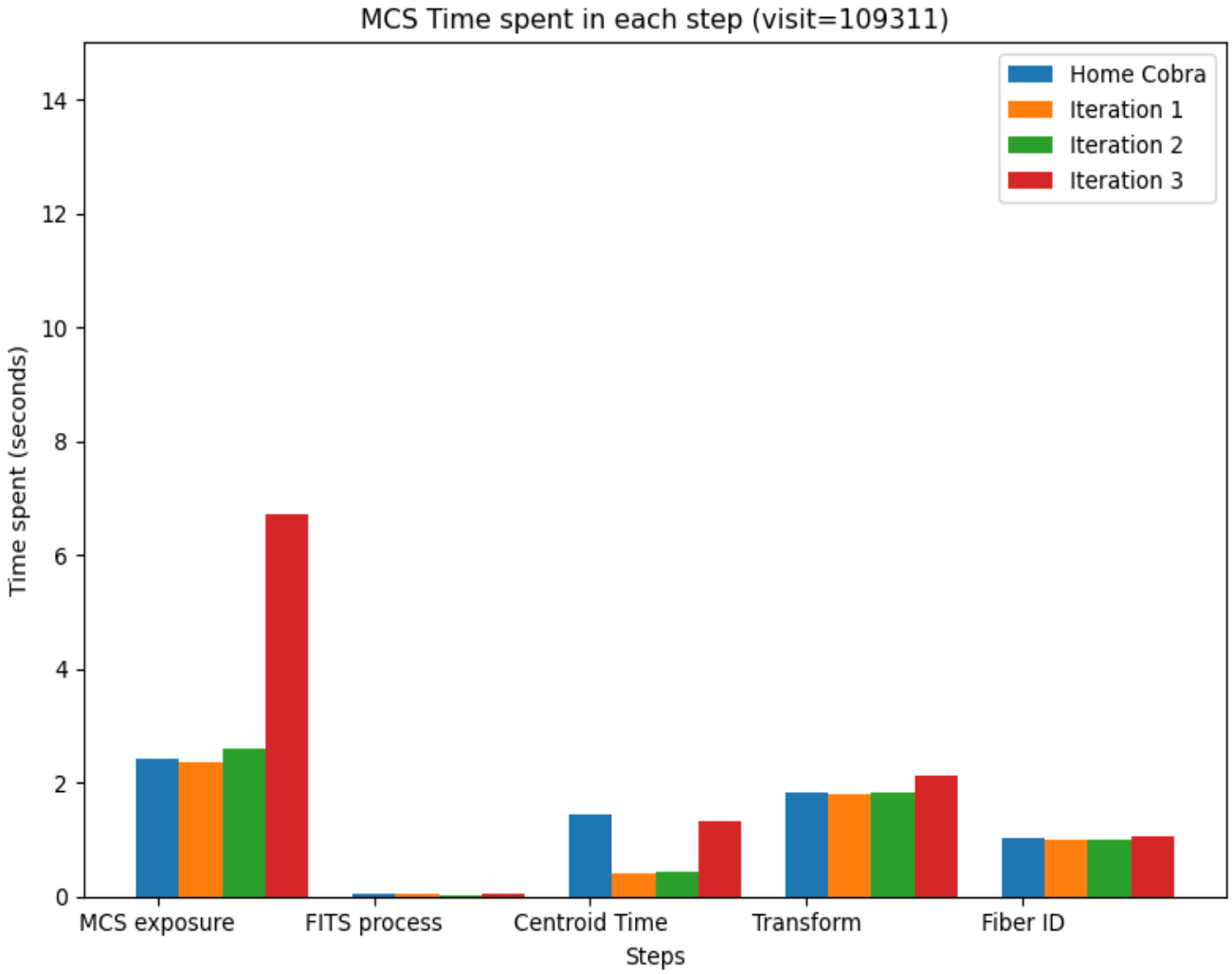
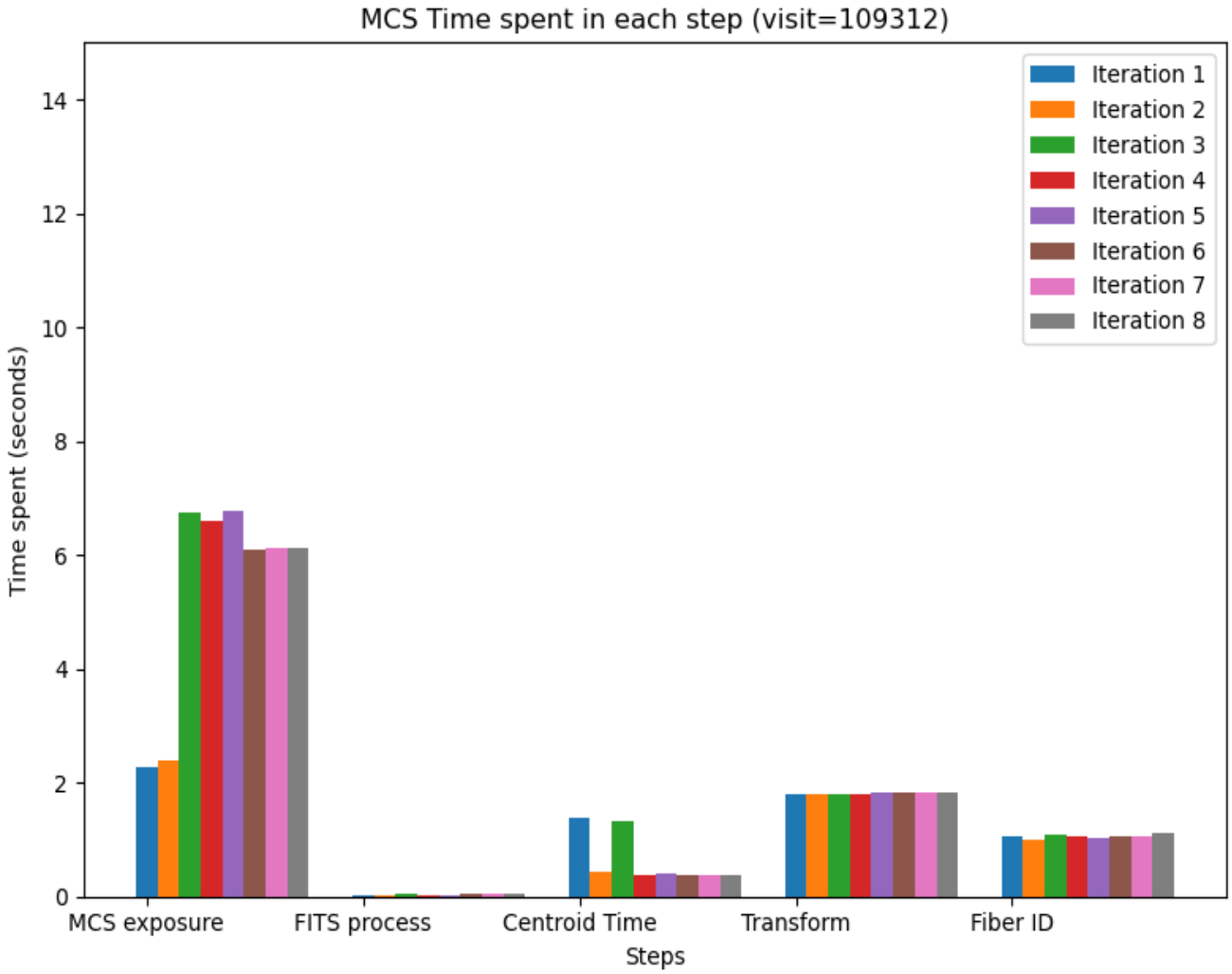
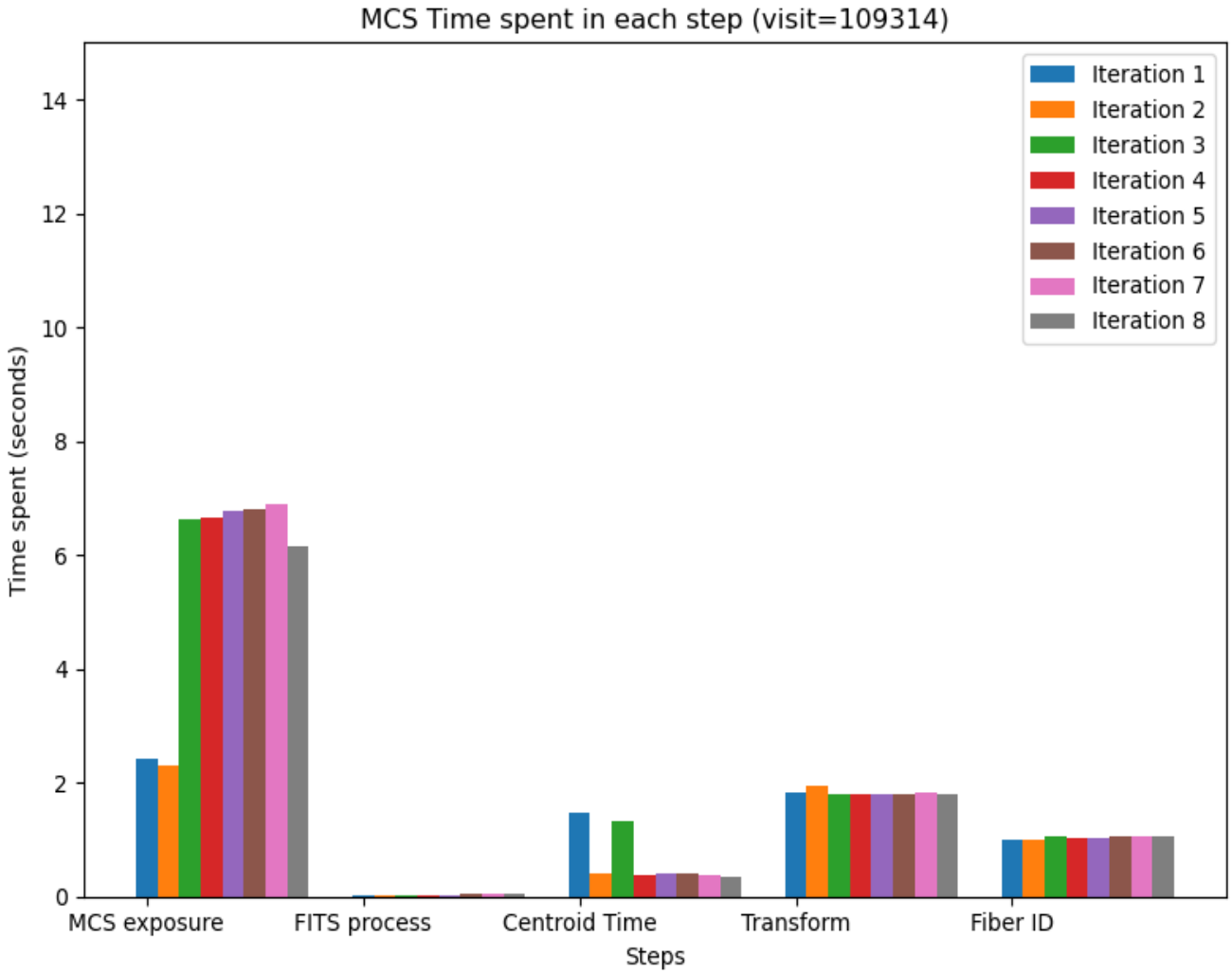
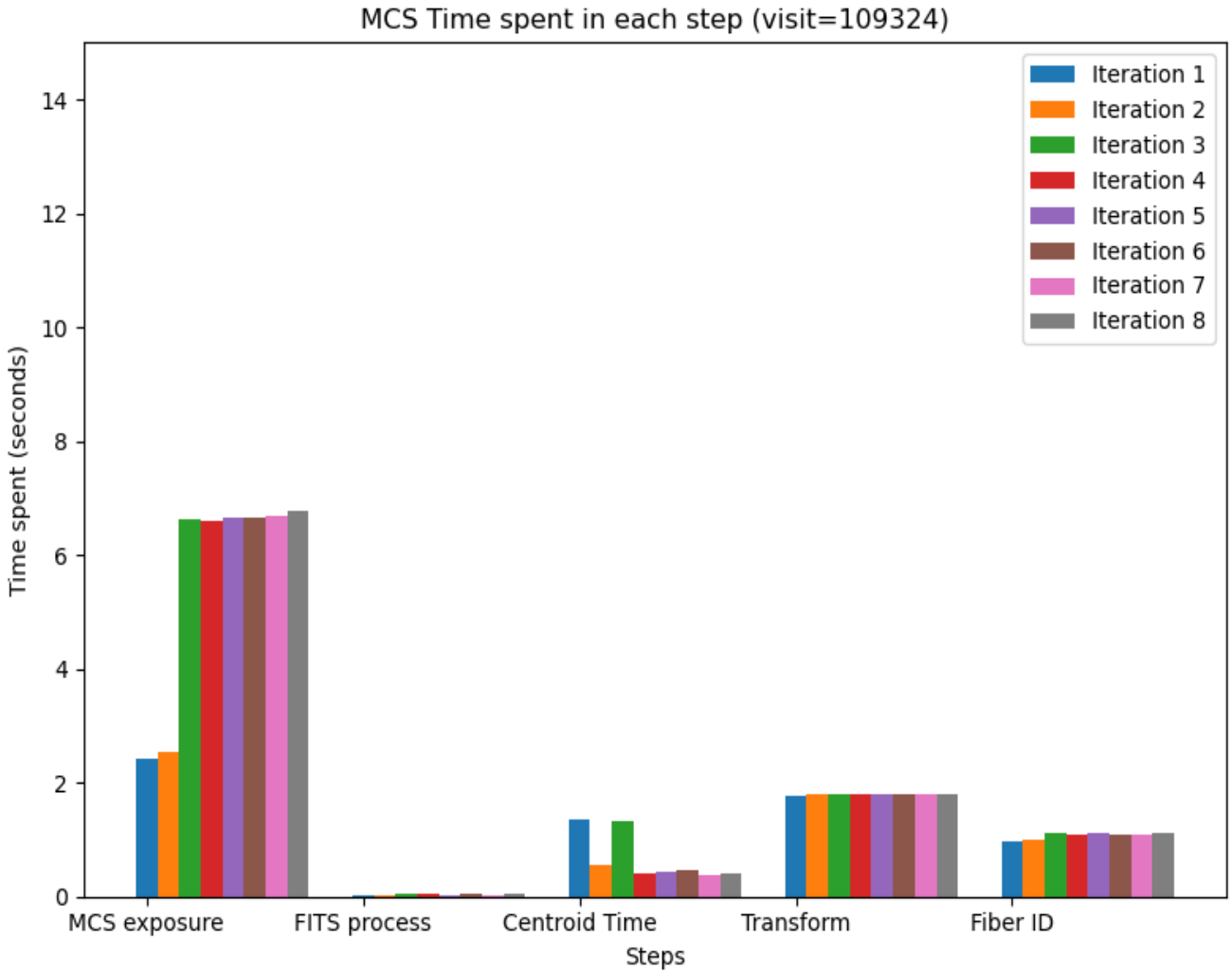
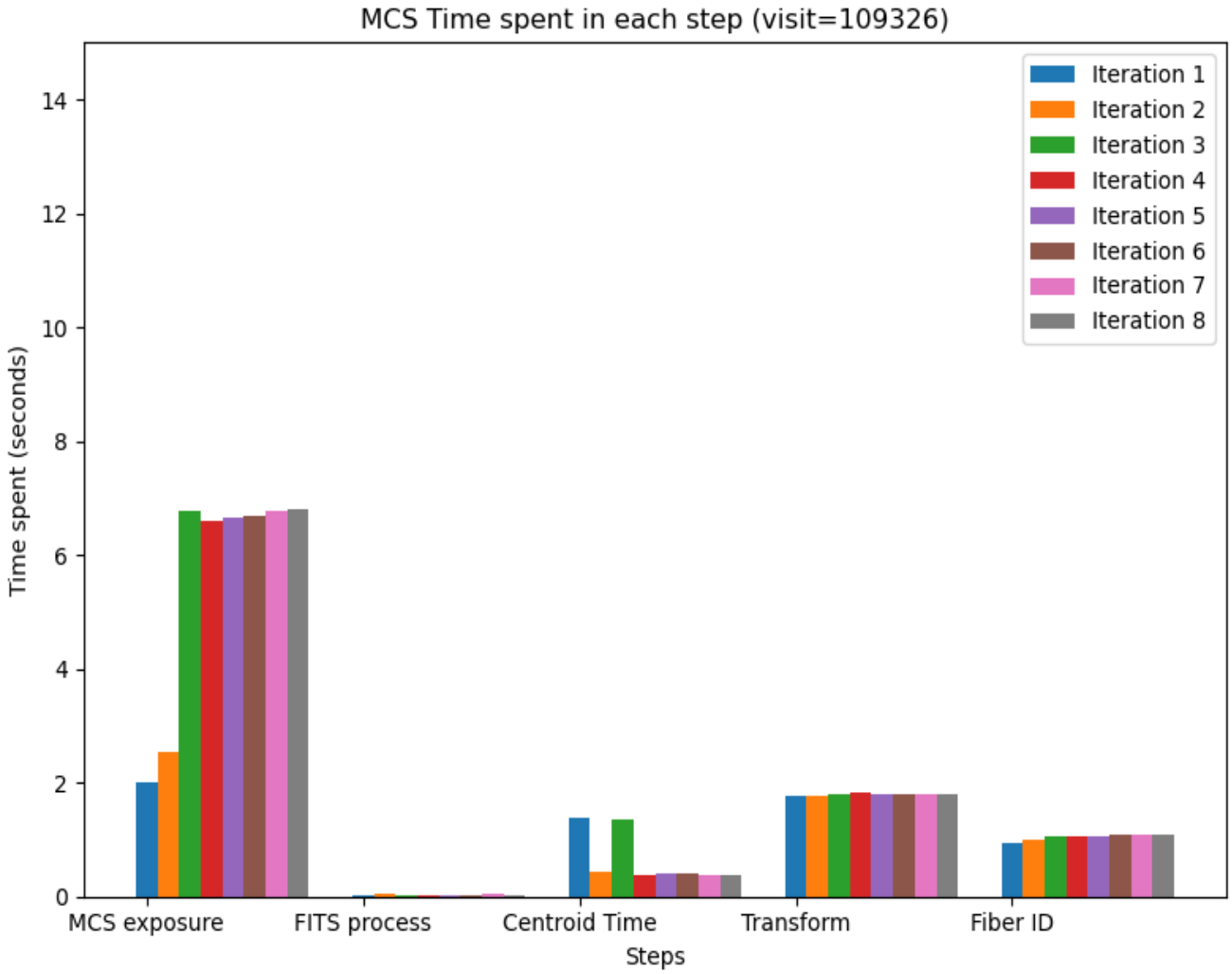
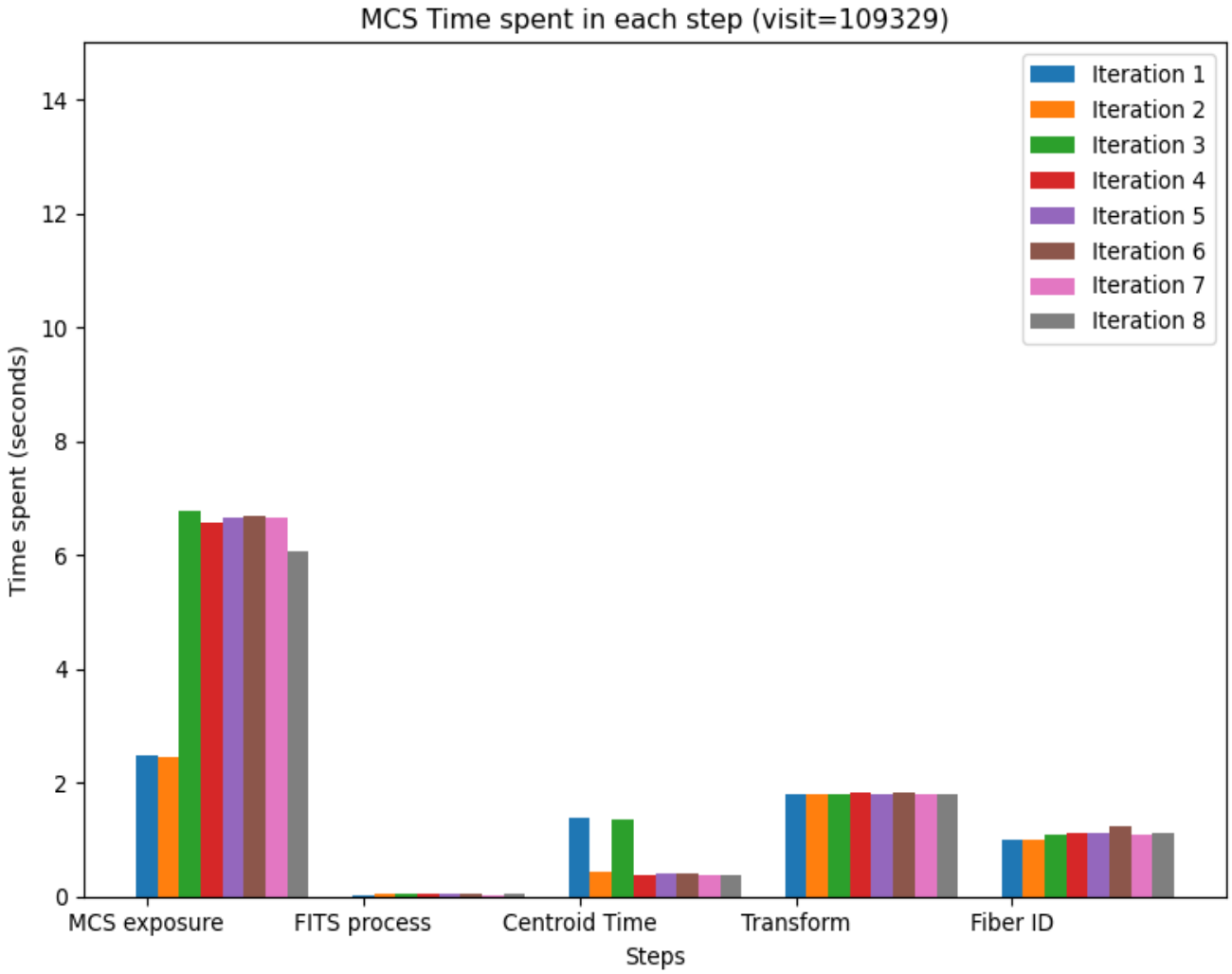

MCS Time spent in each step (visit=109311)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

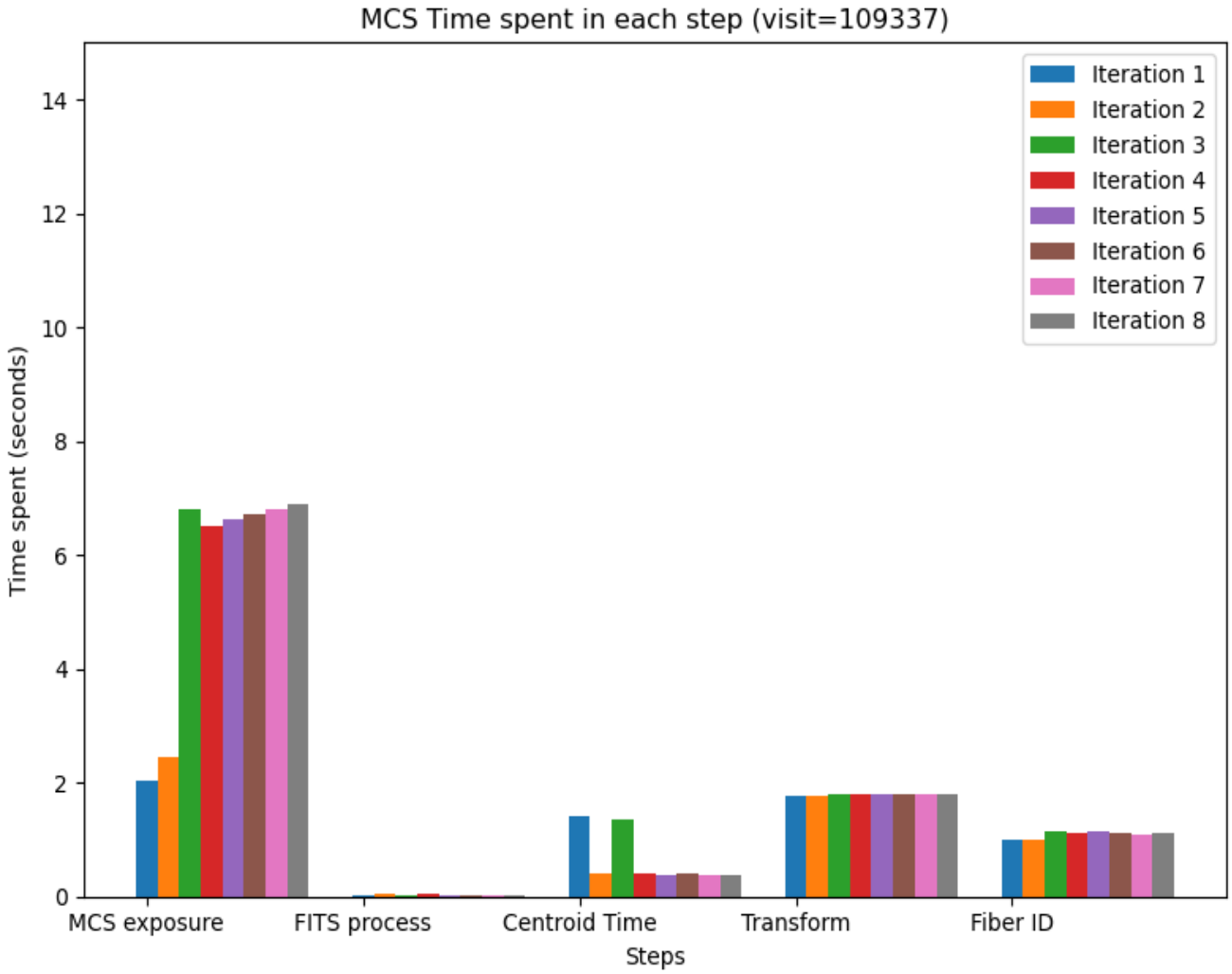

MCS Time spent in each step (visit=109312)
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

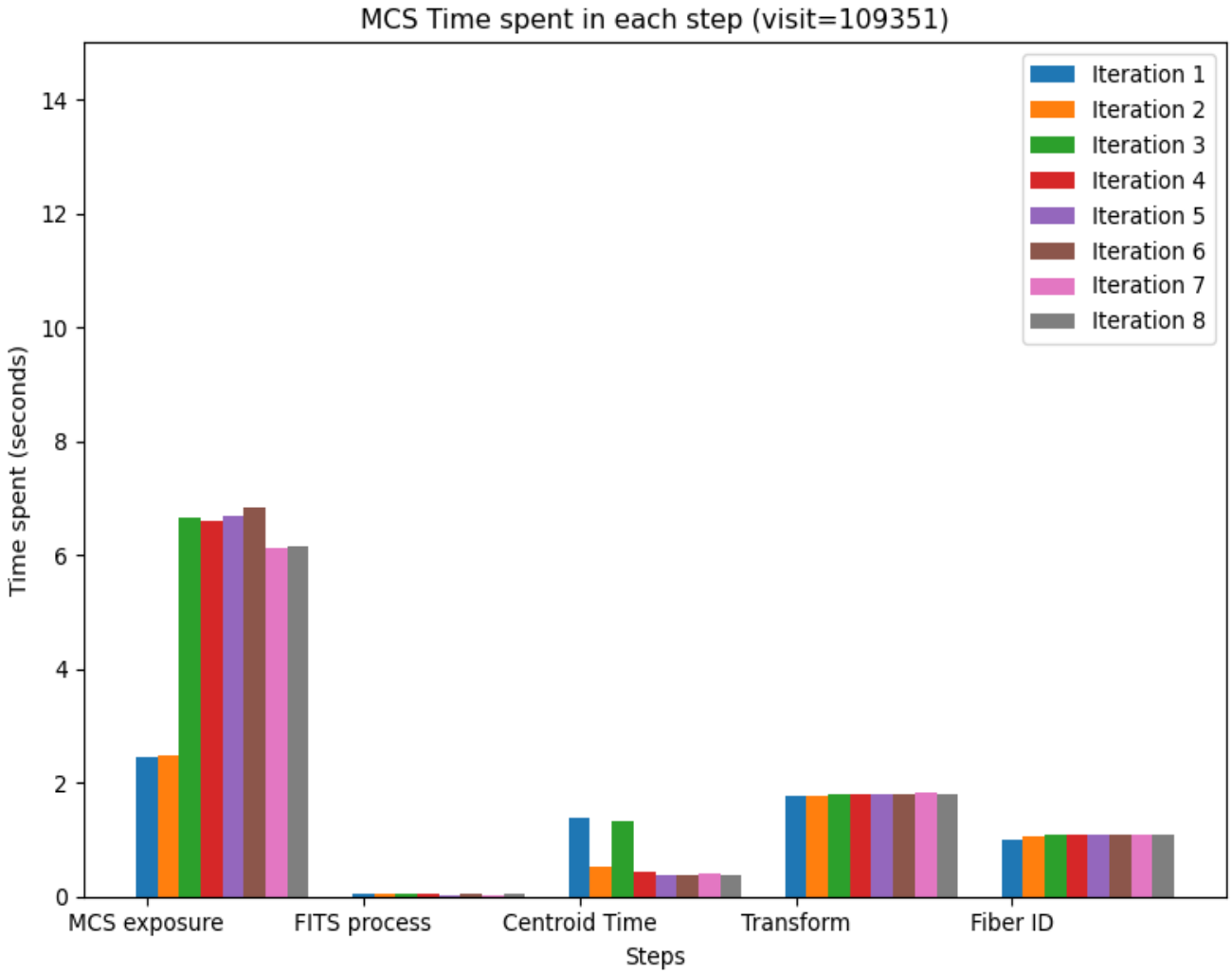

MCS Time spent in each step (visit=109314)
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

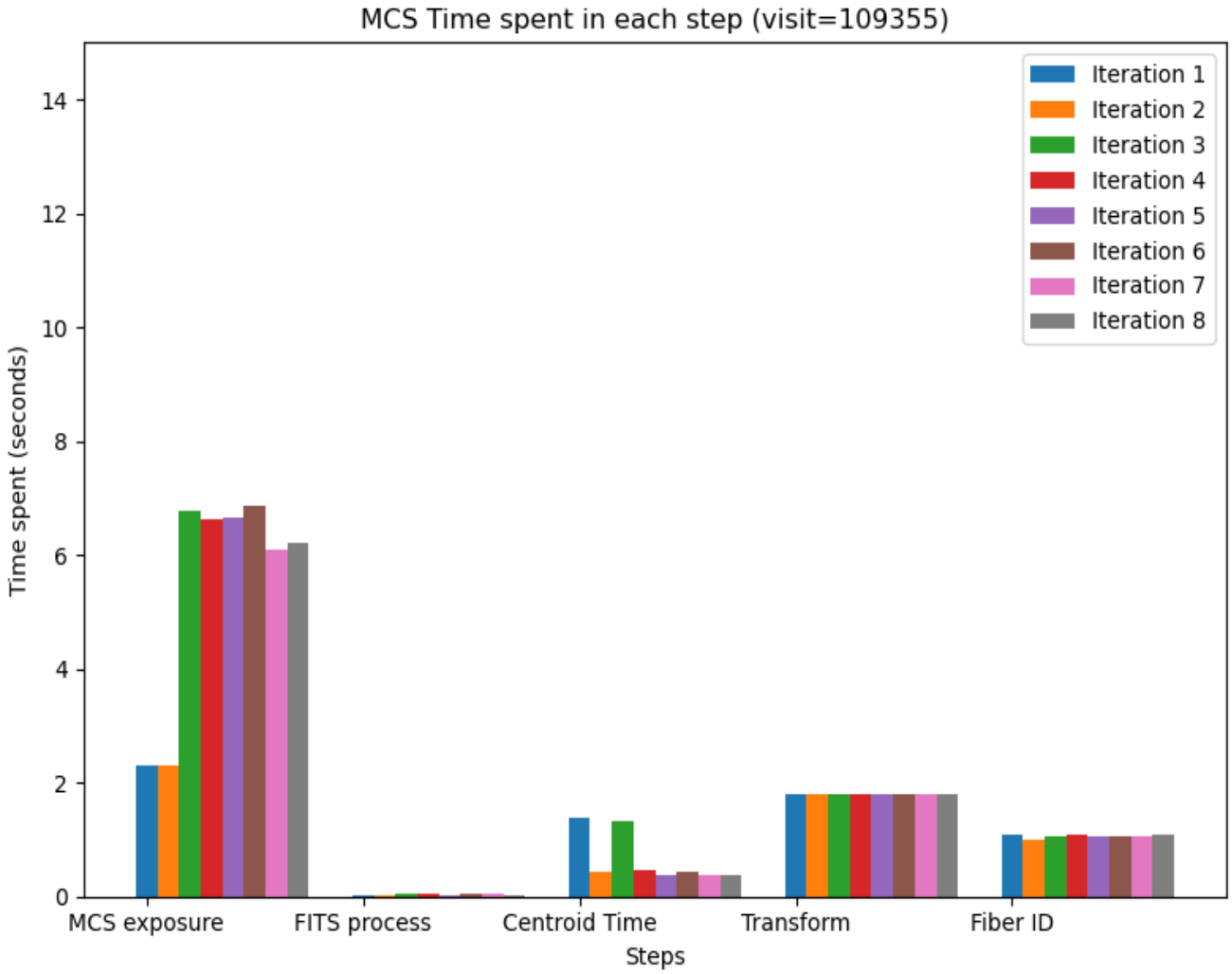

MCS Time spent in each step (visit=109324)
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

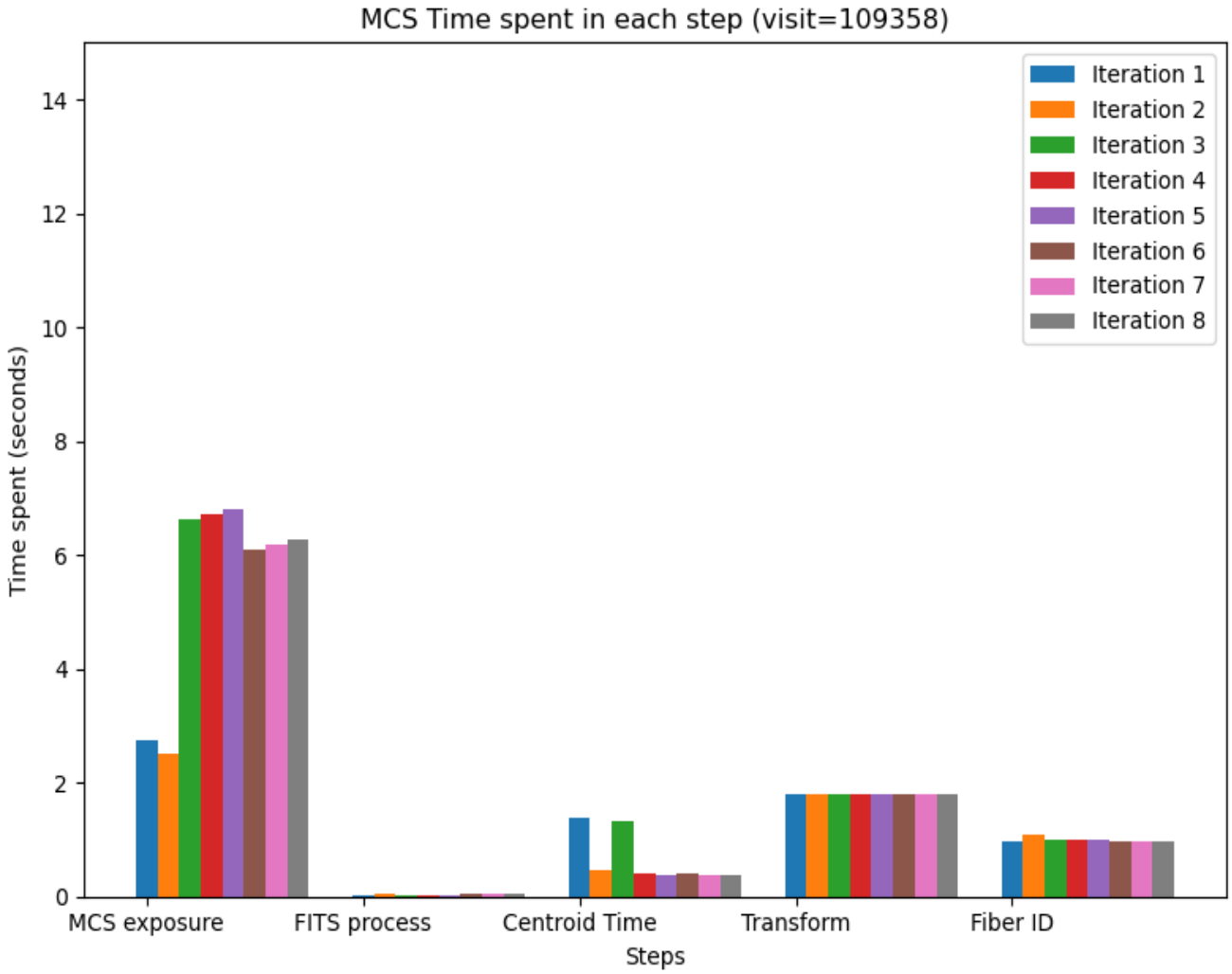

MCS Time spent in each step (visit=109326)
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

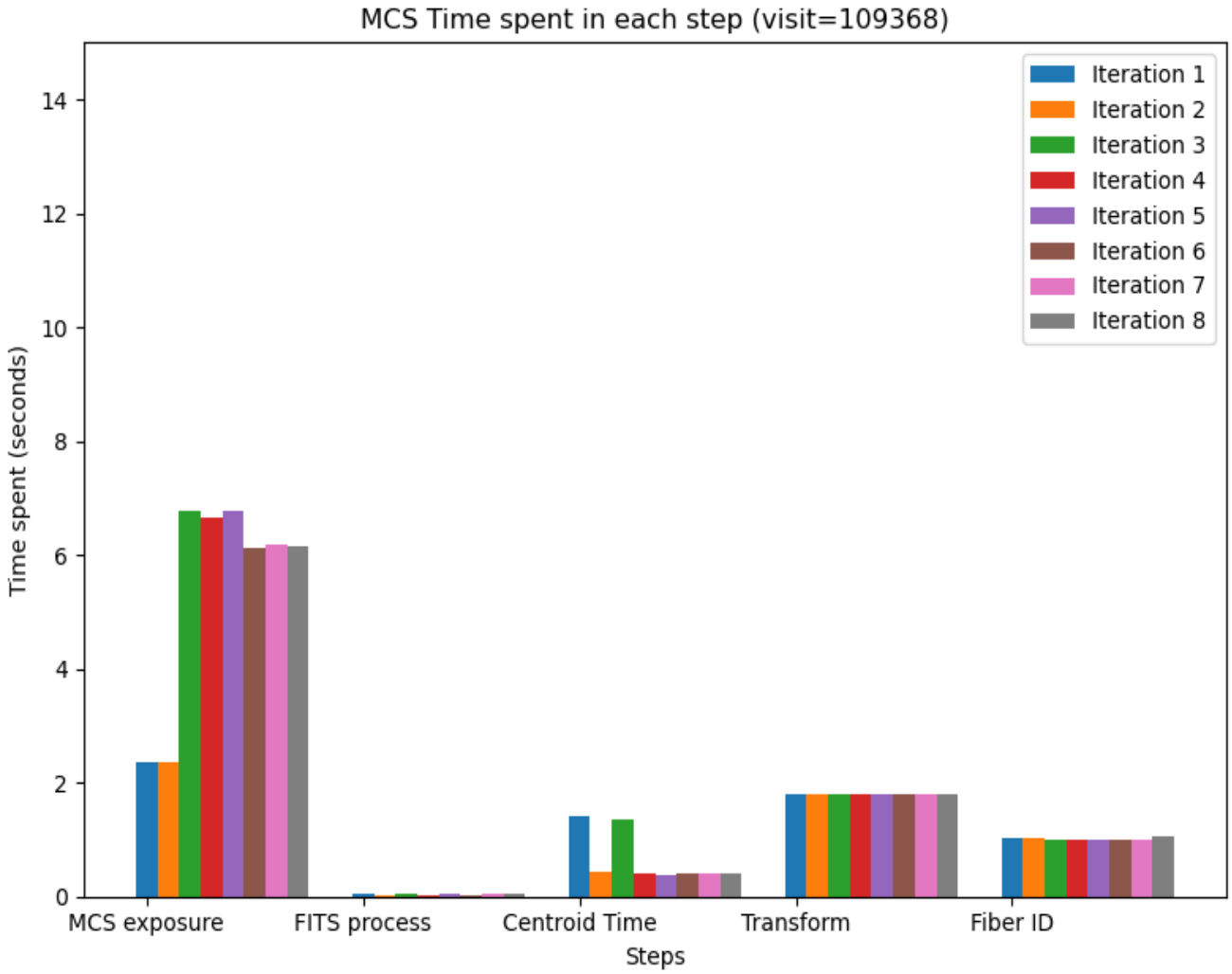

MCS Time spent in each step (visit=109329)
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

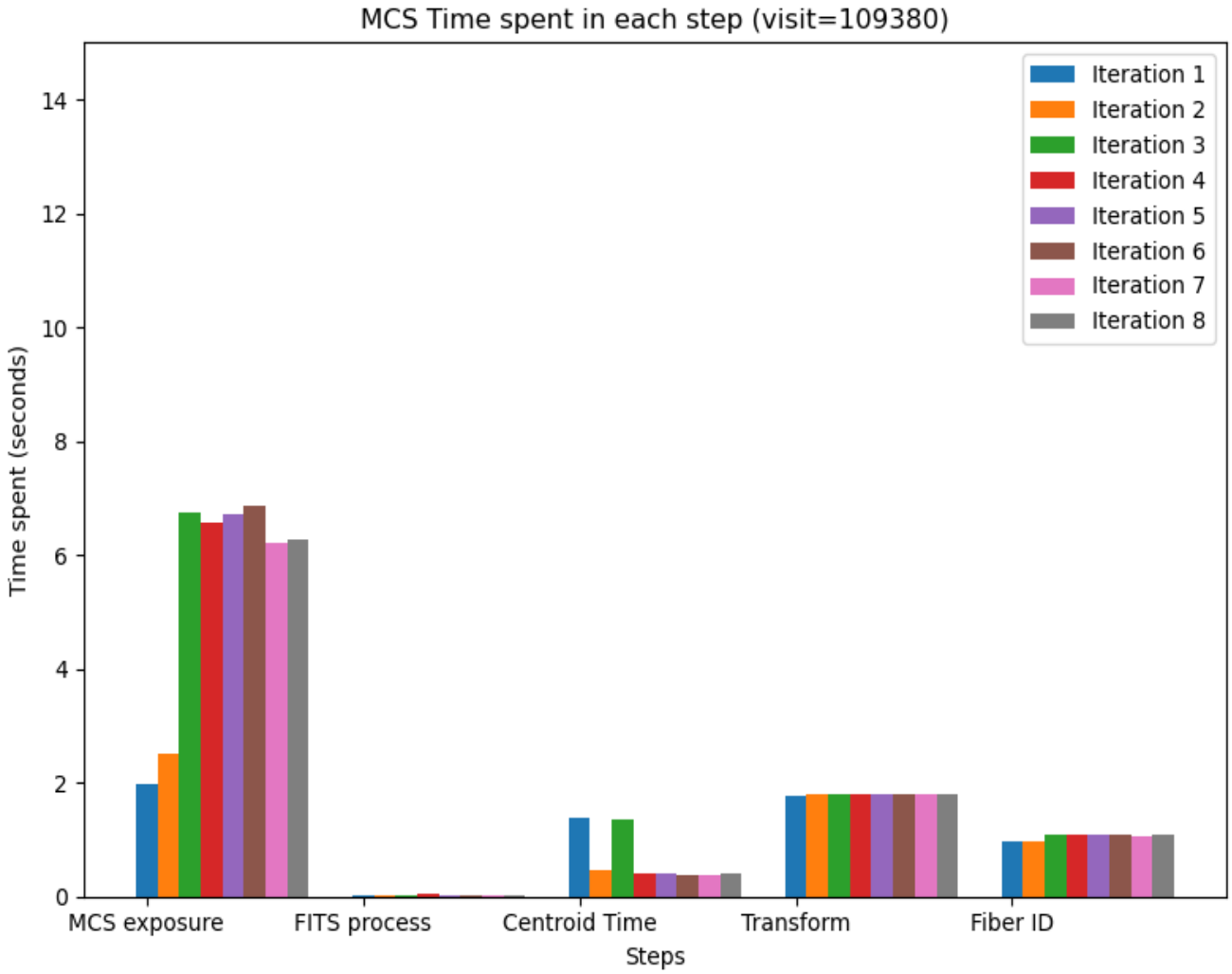

MCS Time spent in each step (visit=109337)
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

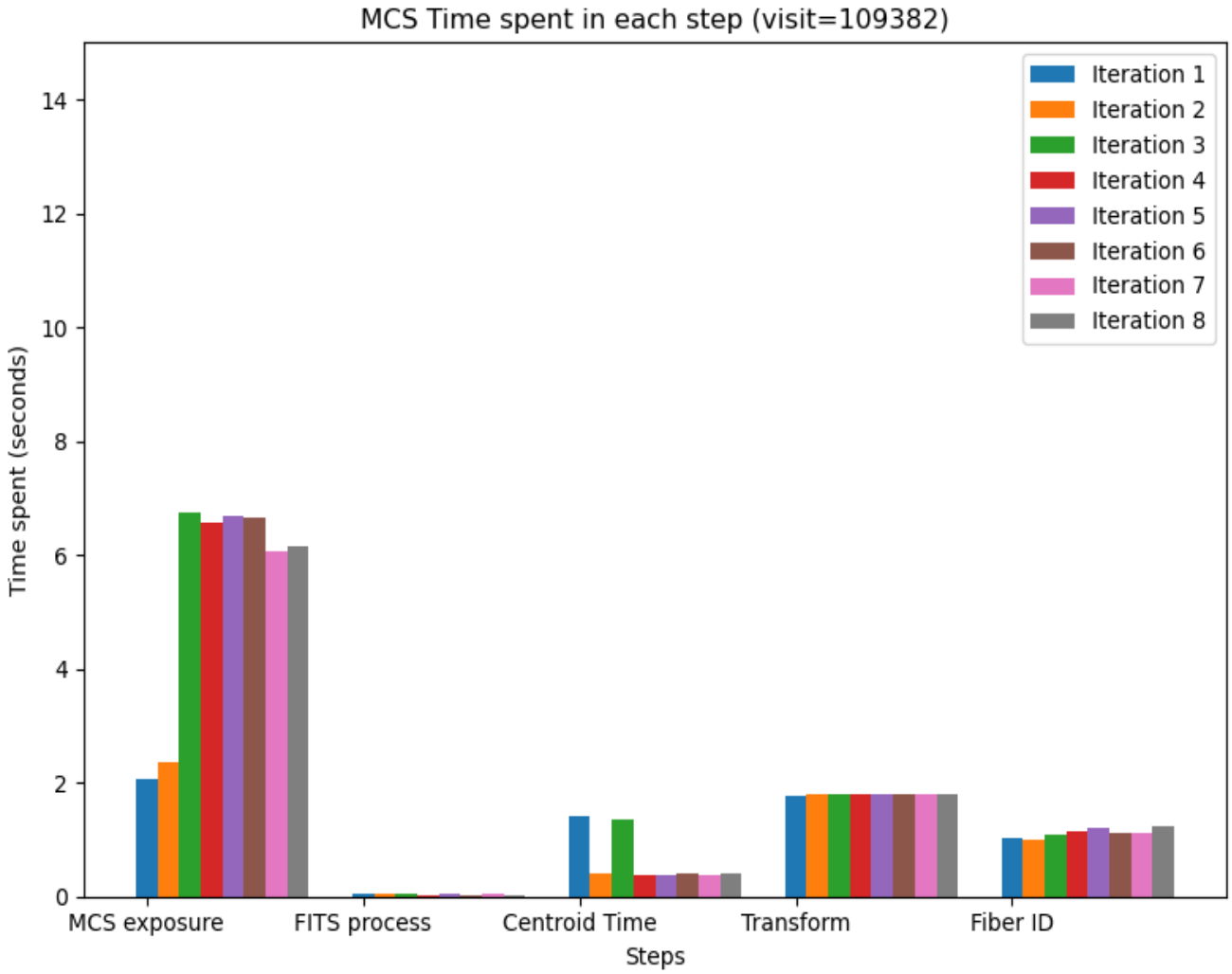

MCS Time spent in each step (visit=109351)
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

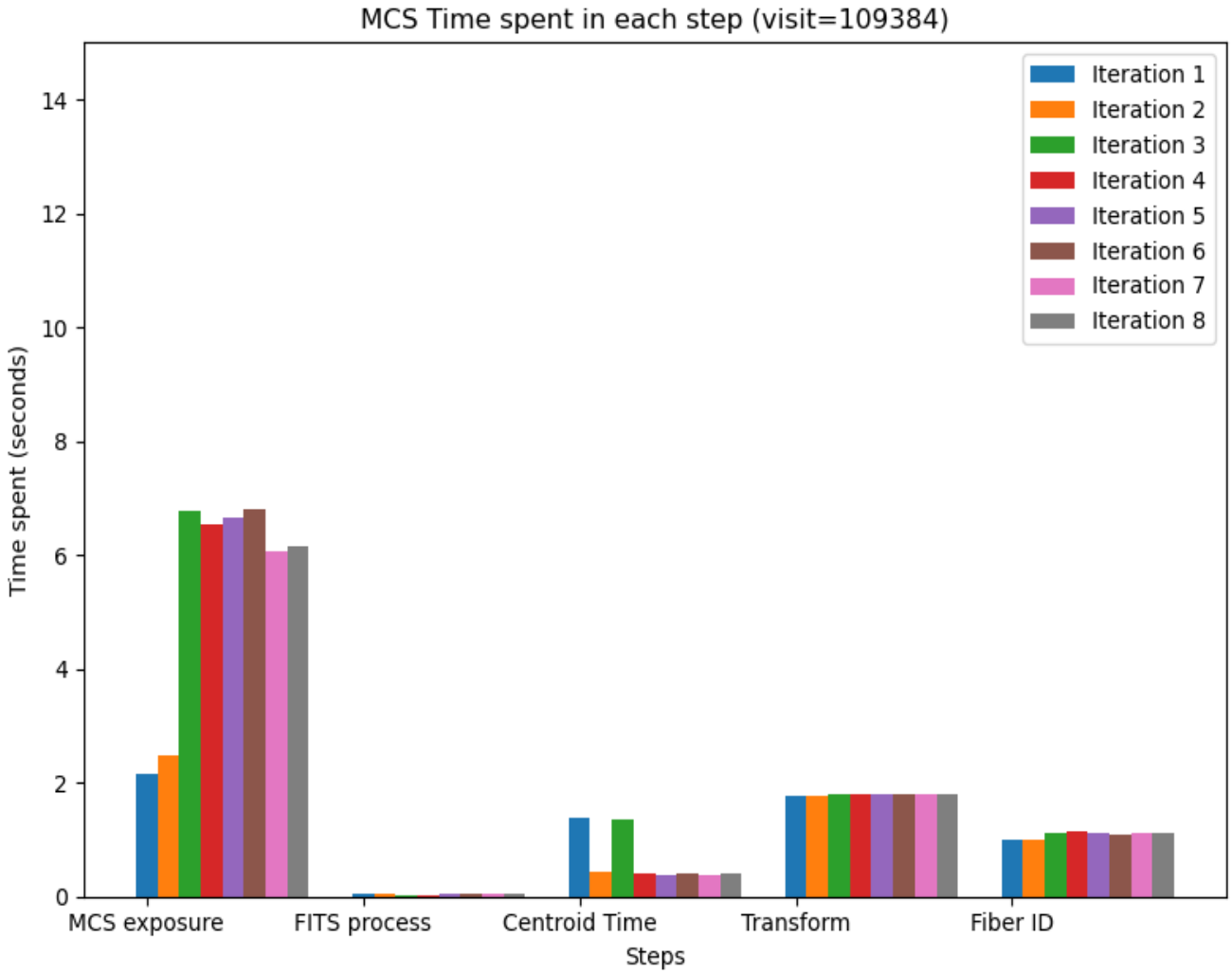

MCS Time spent in each step (visit=109355)
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

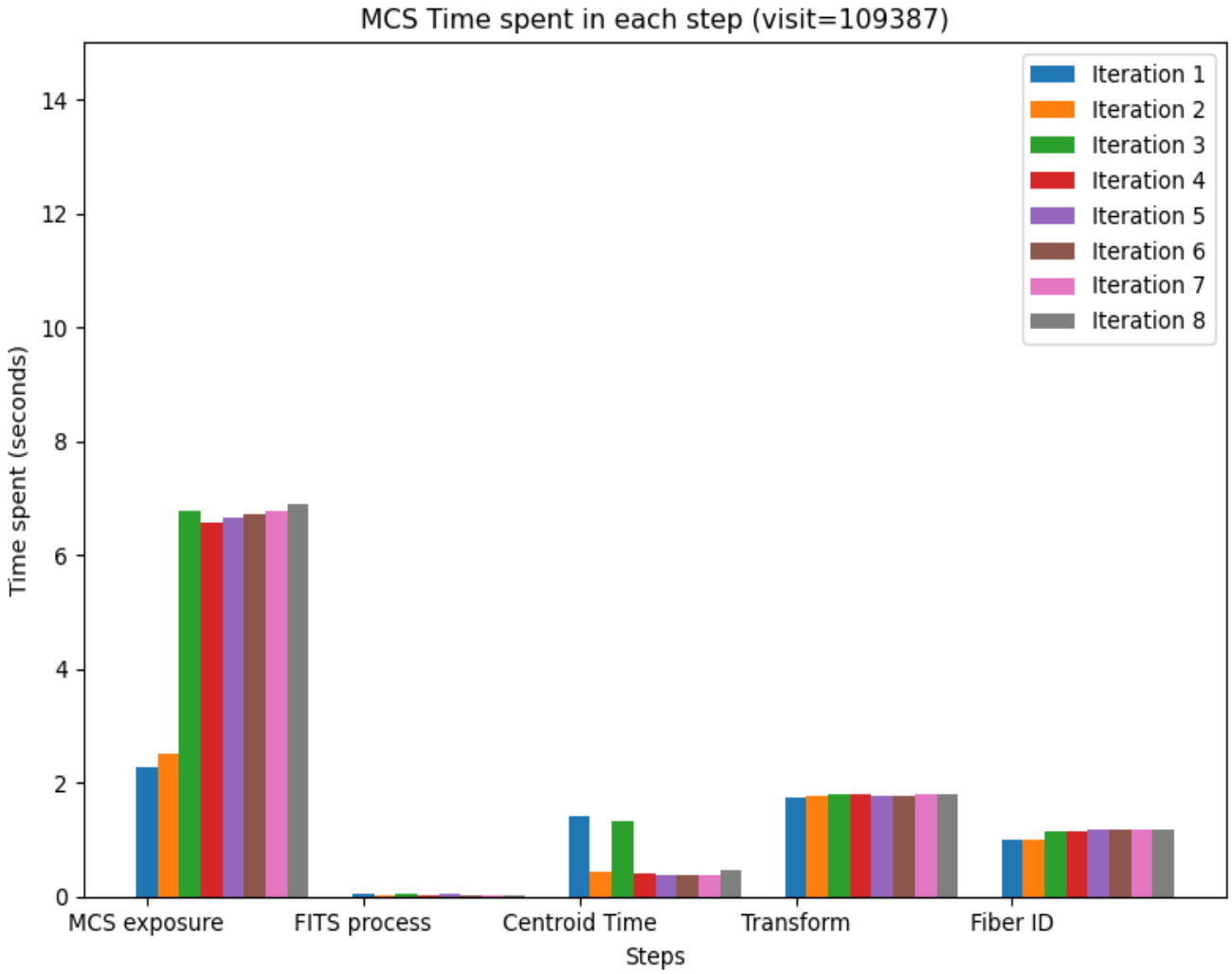

MCS Time spent in each step (visit=109358)
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

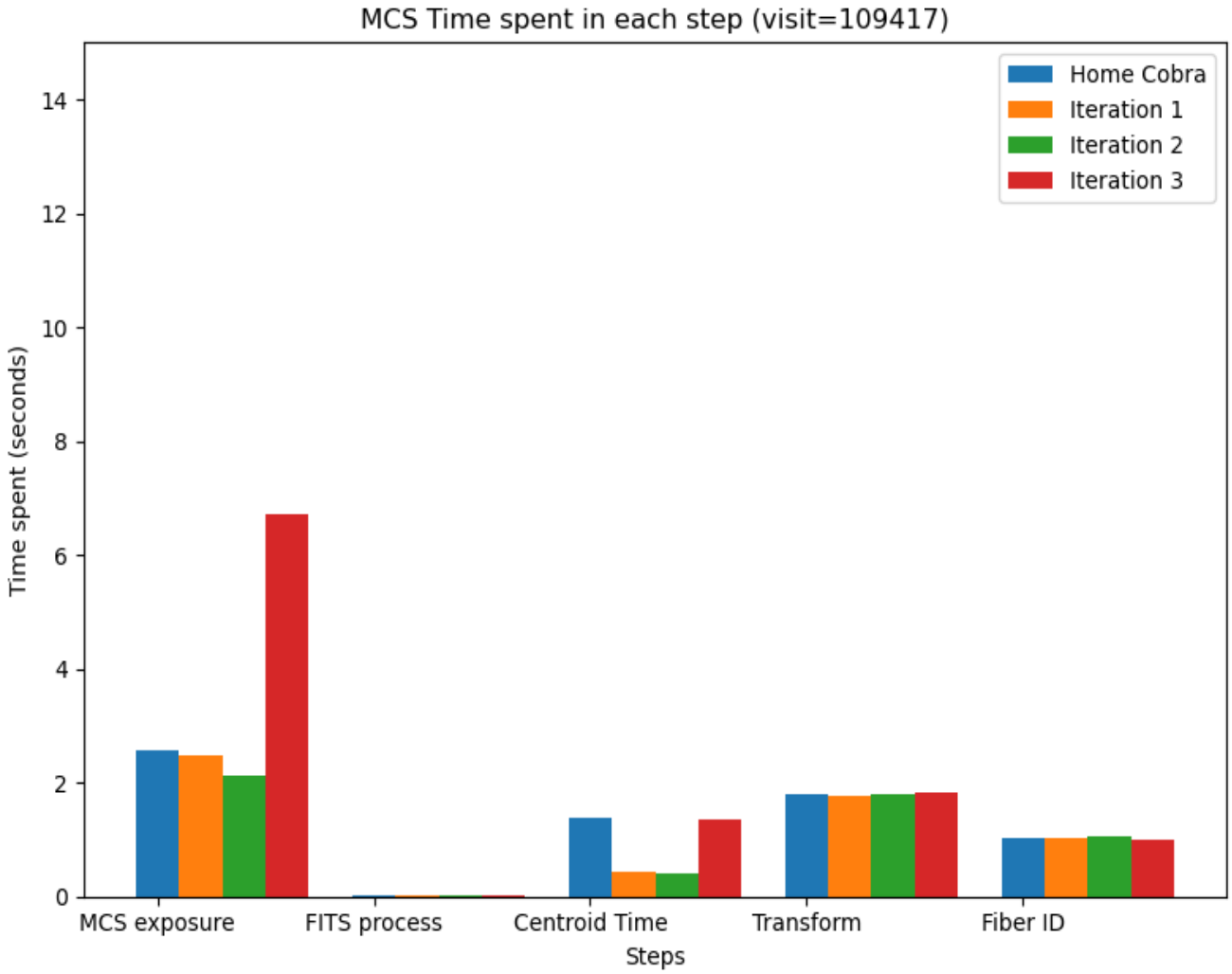

MCS Time spent in each step (visit=109368)
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

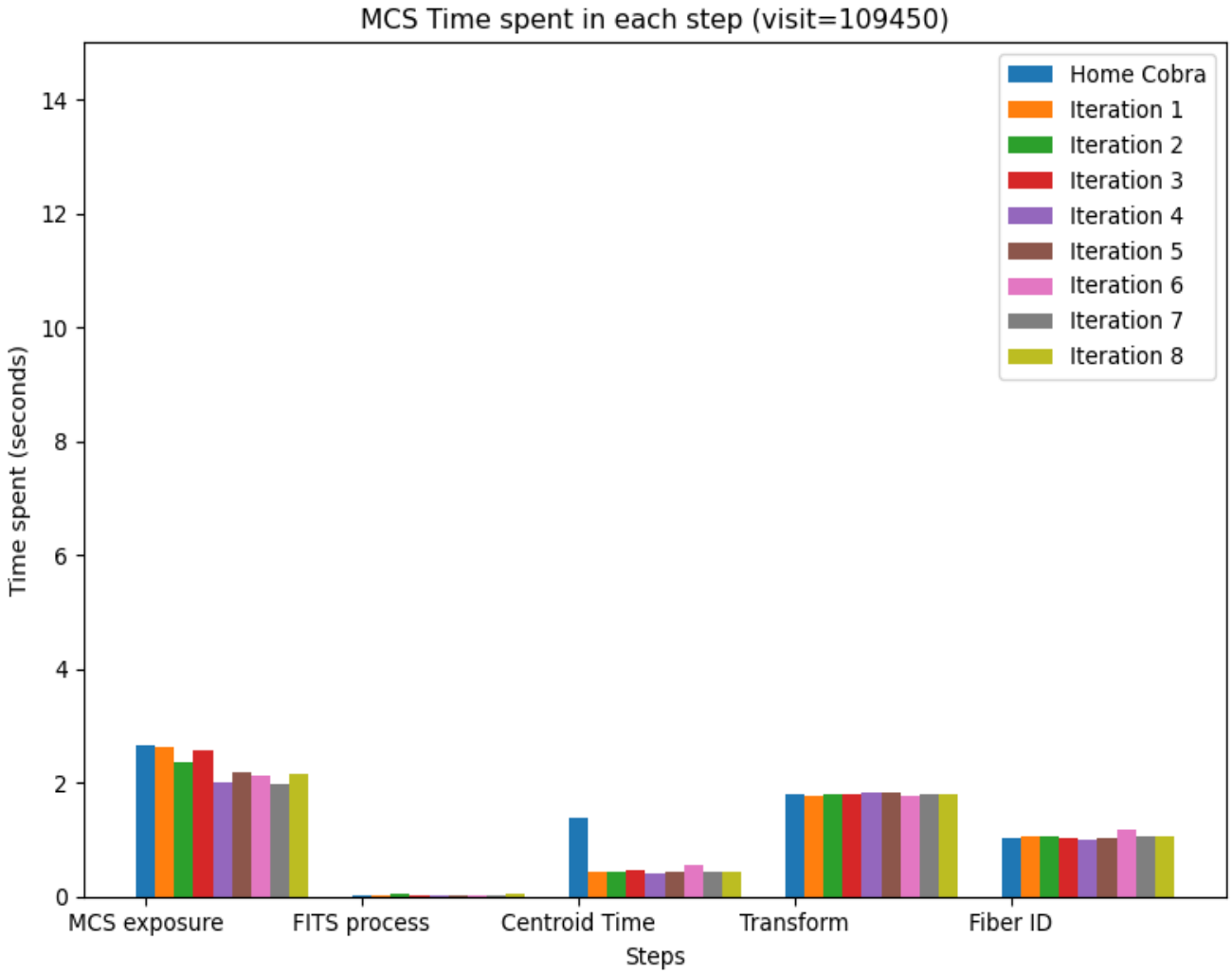

MCS Time spent in each step (visit=109380)
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

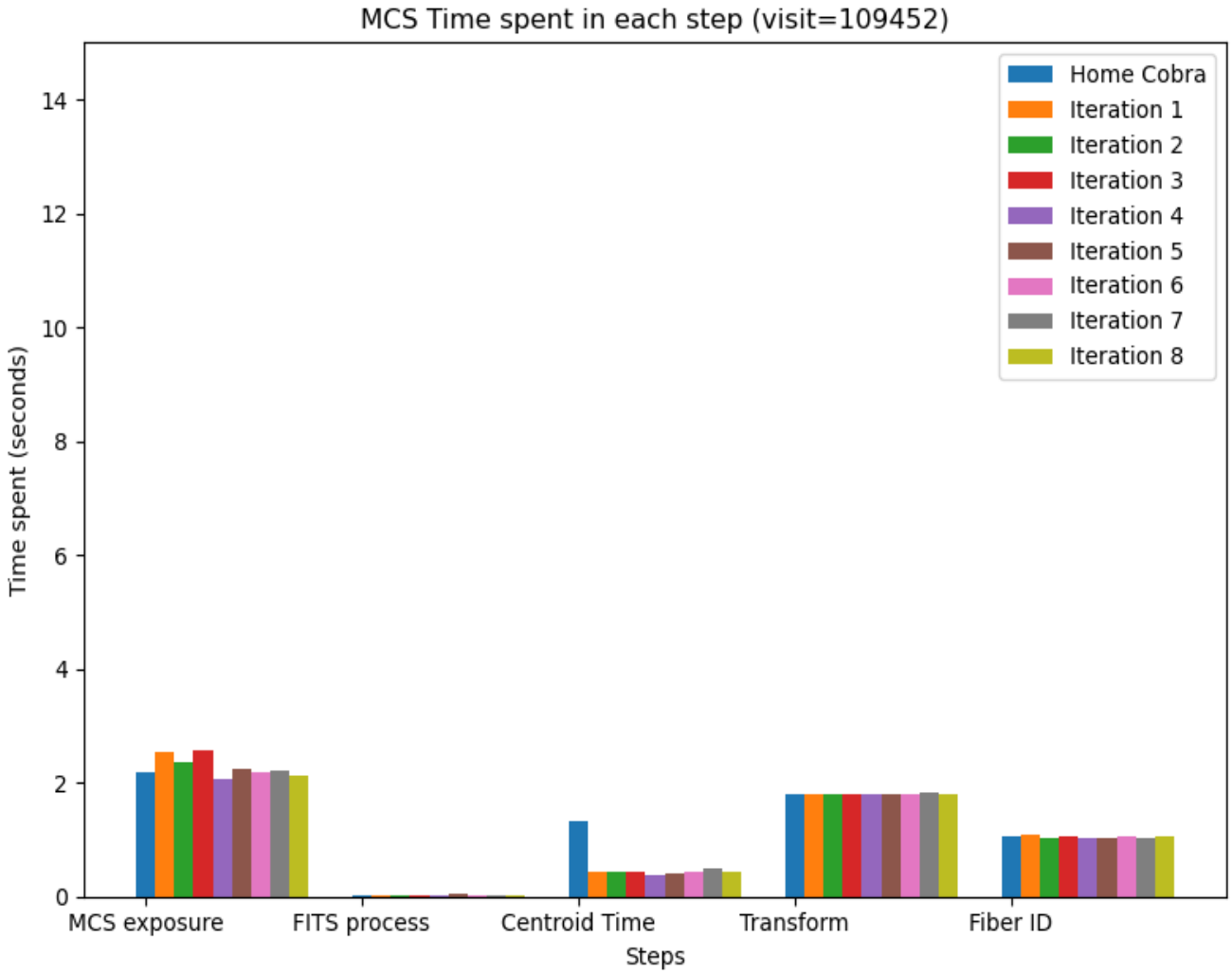

MCS Time spent in each step (visit=109382)
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

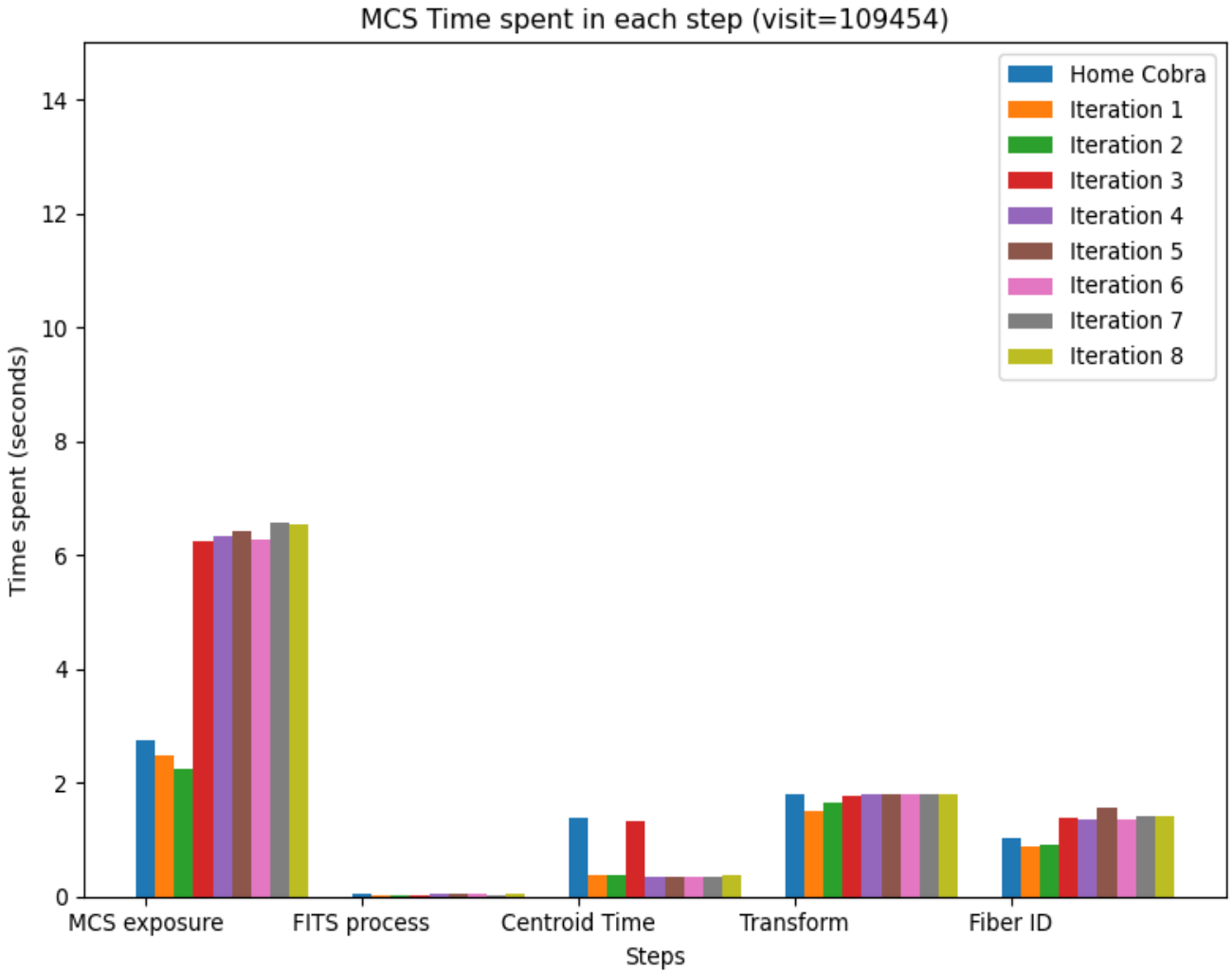

MCS Time spent in each step (visit=109384)
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

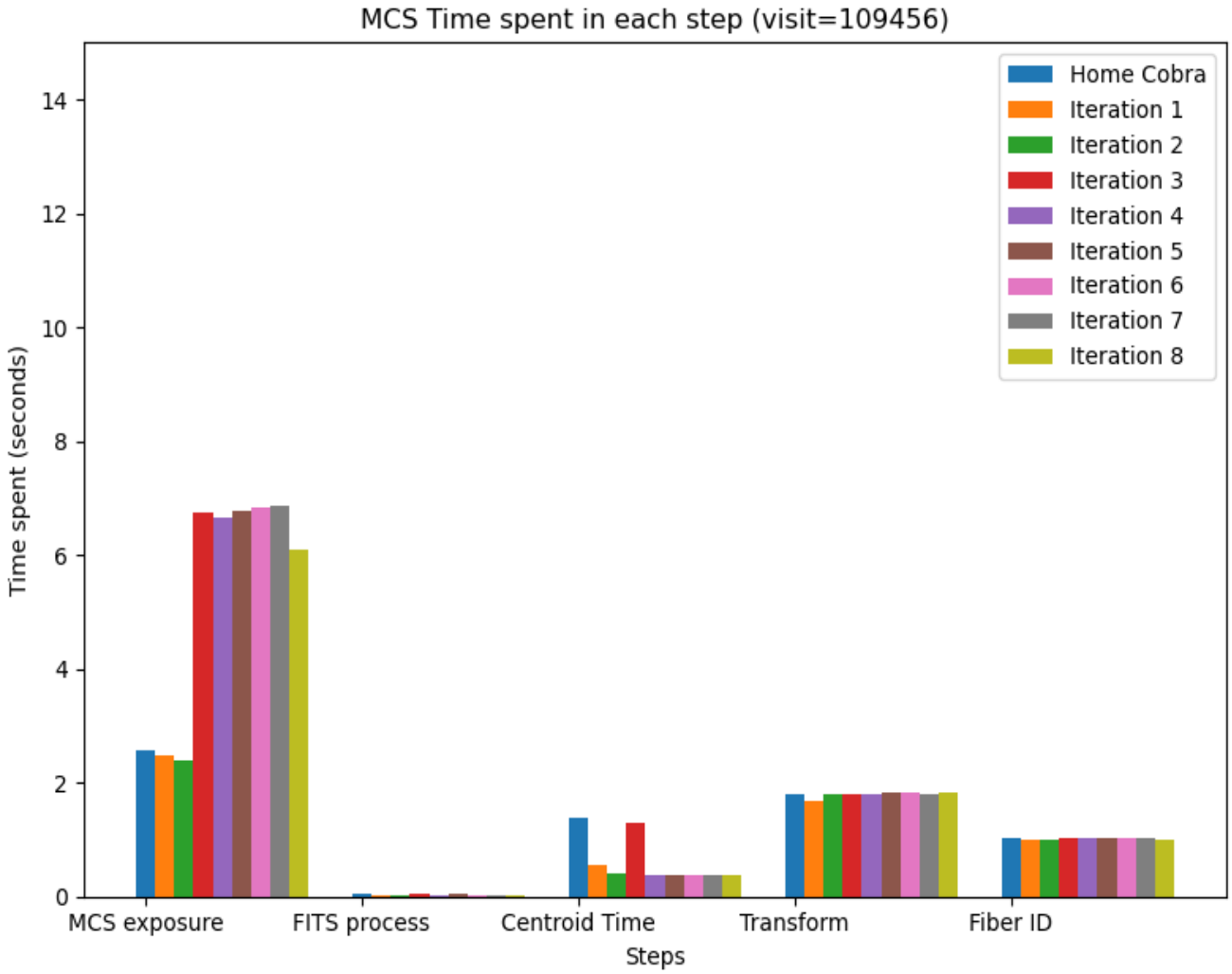

MCS Time spent in each step (visit=109387)
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

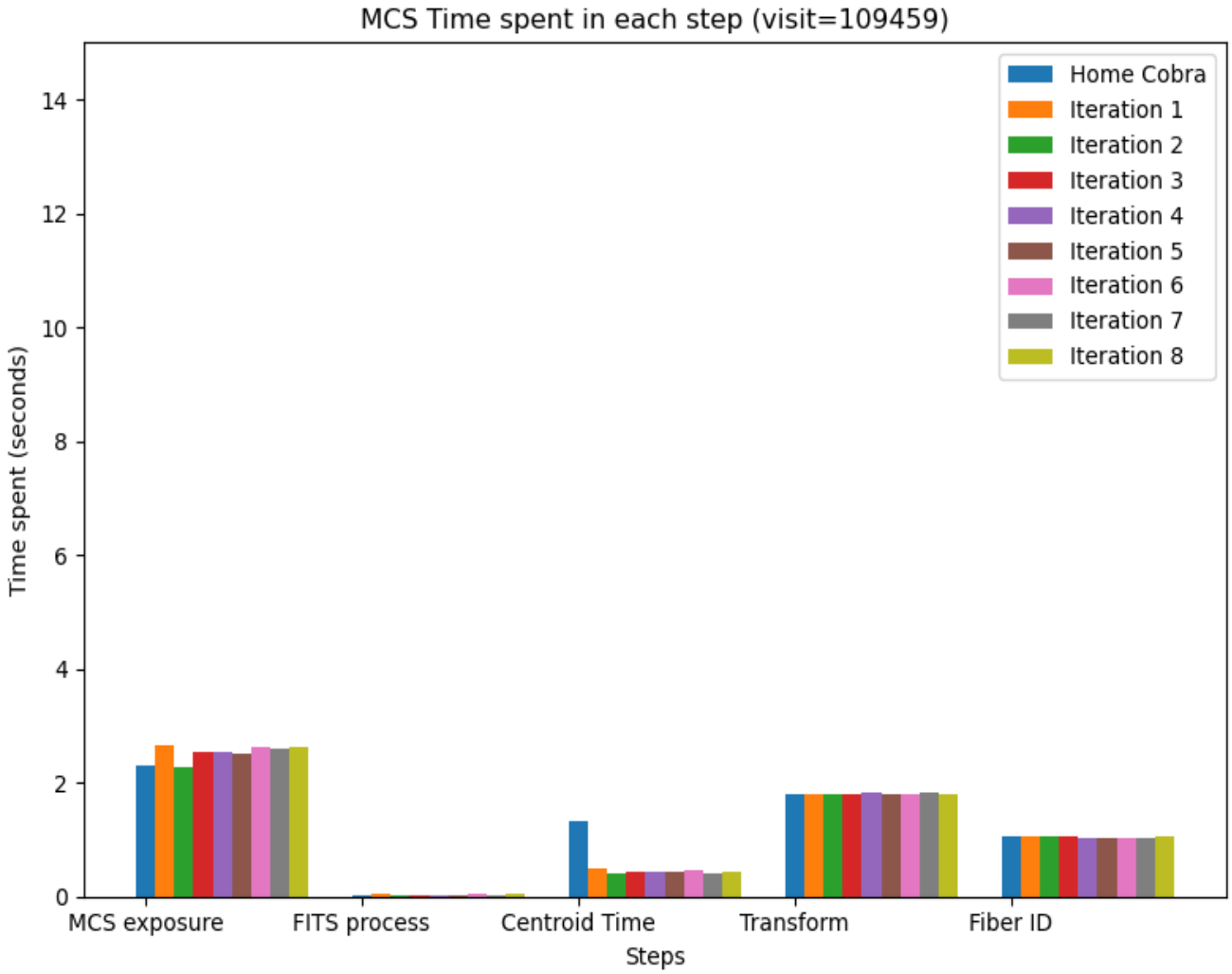

MCS Time spent in each step (visit=109417)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

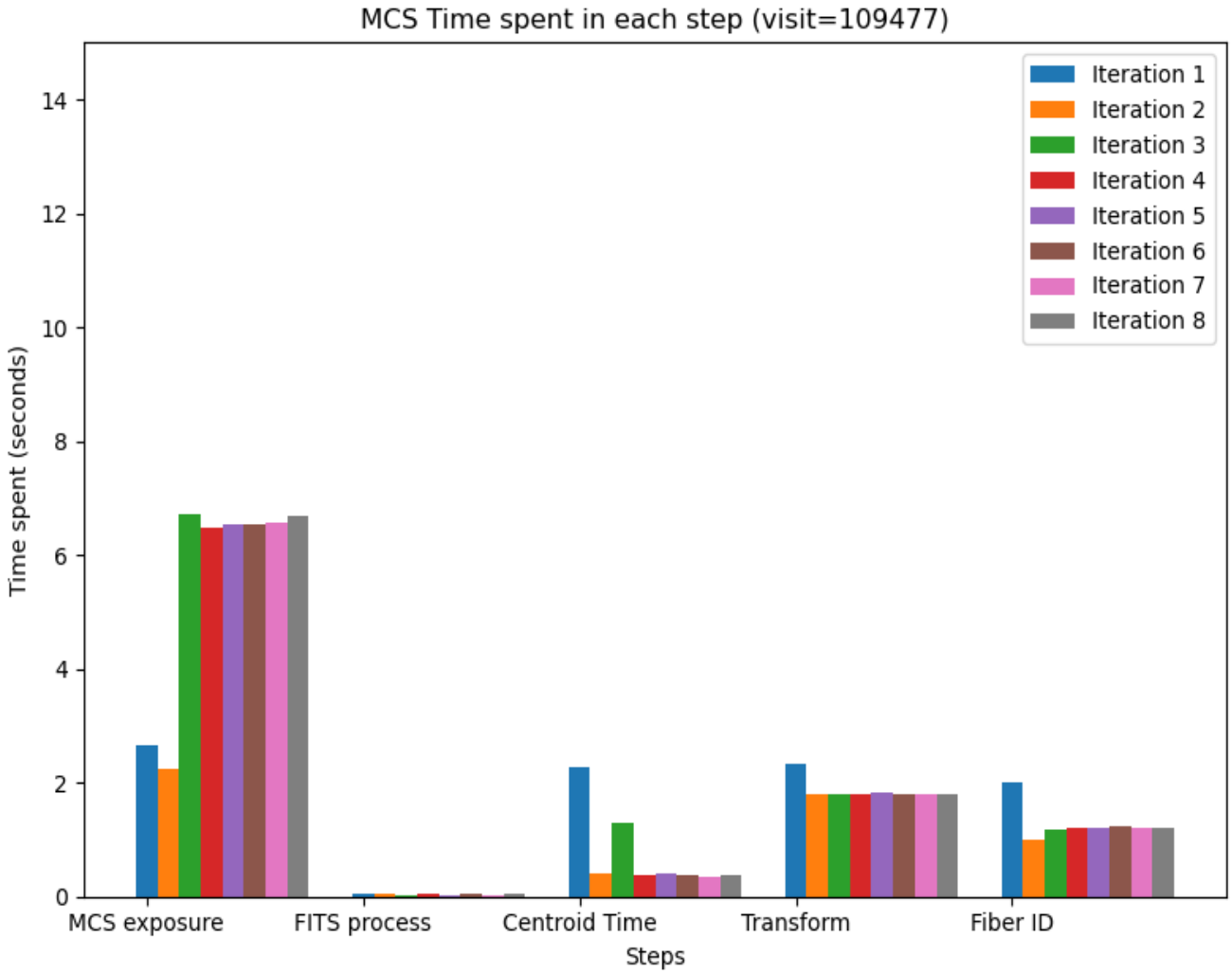

MCS Time spent in each step (visit=109450)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

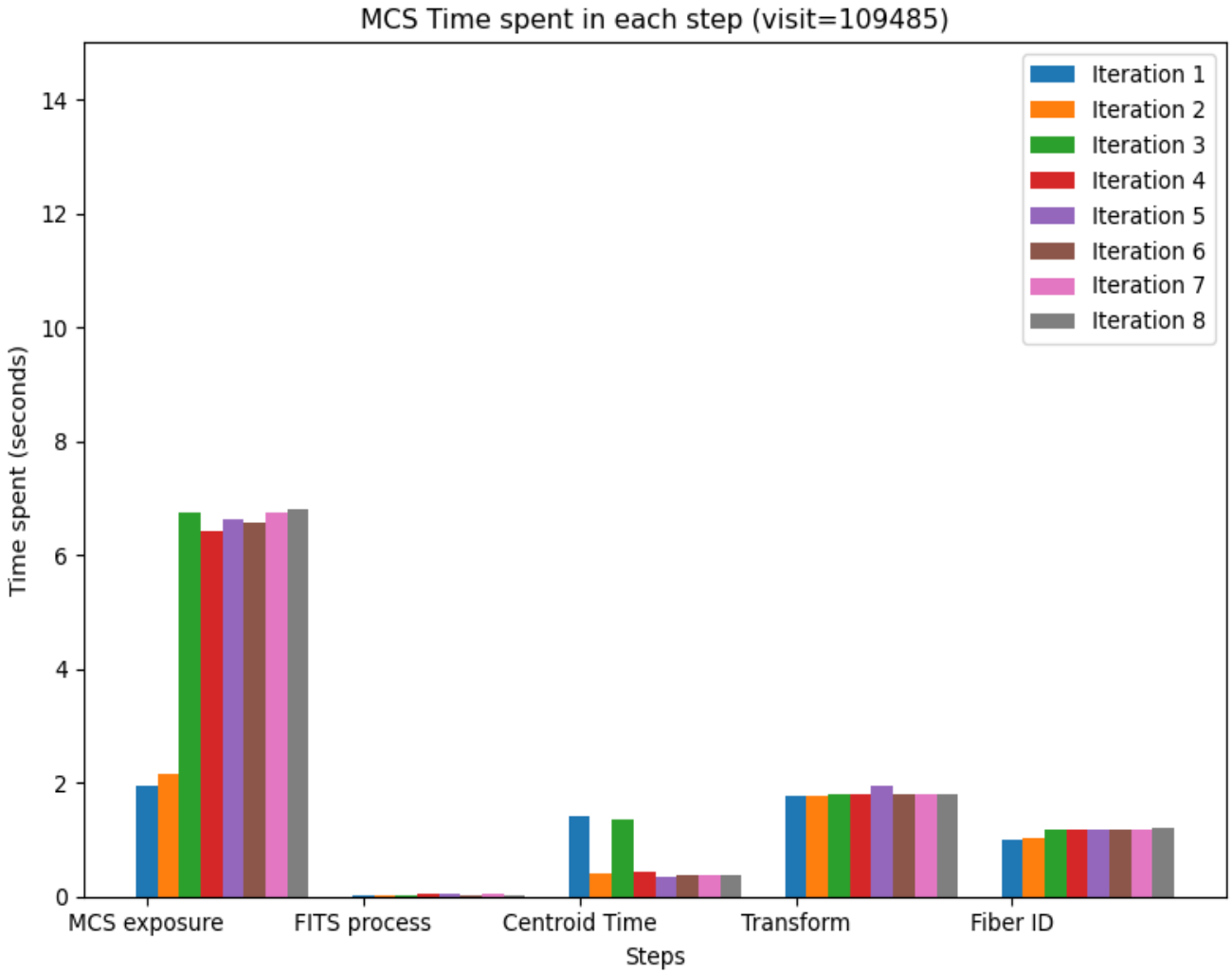

MCS Time spent in each step (visit=109452)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

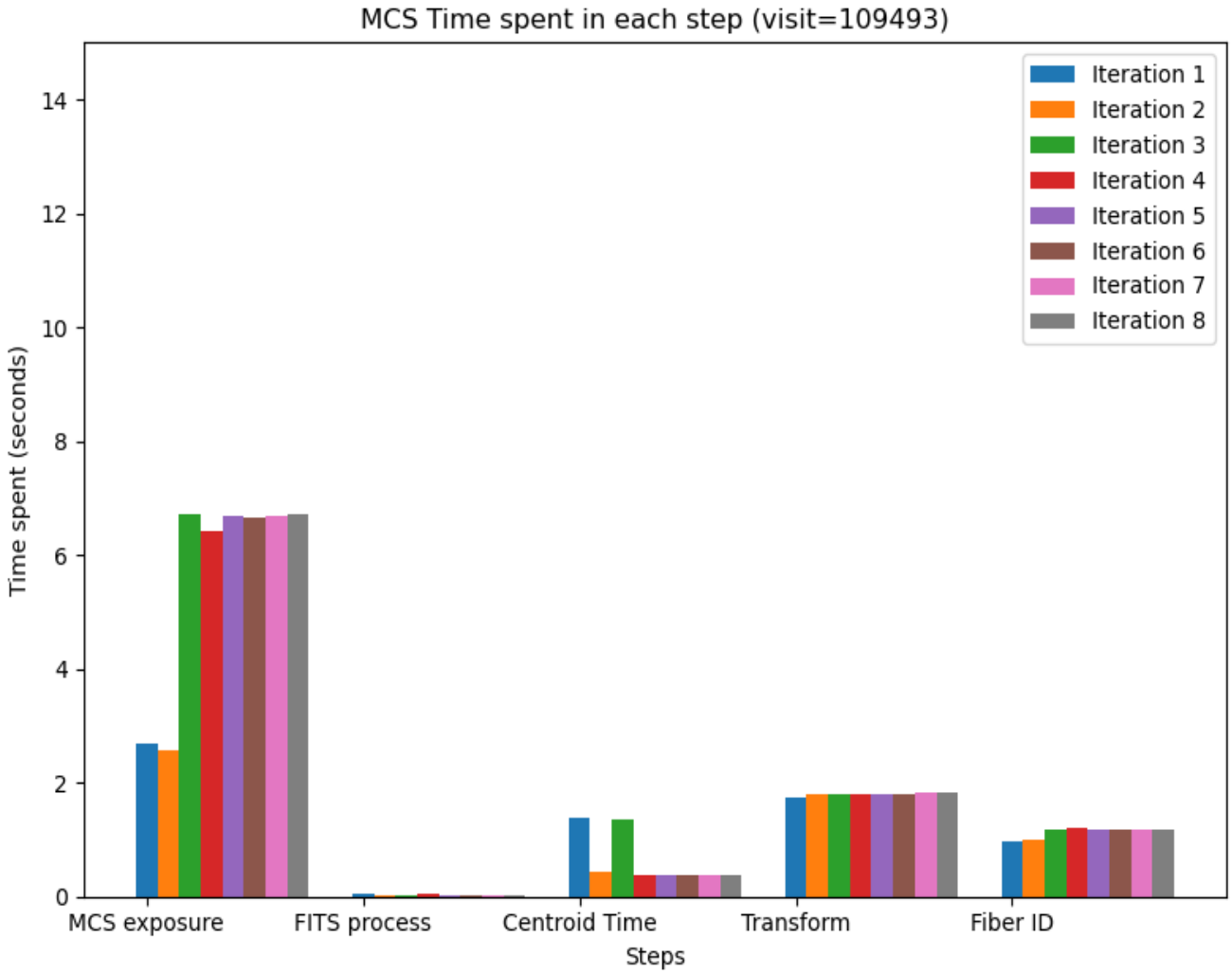

MCS Time spent in each step (visit=109454)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

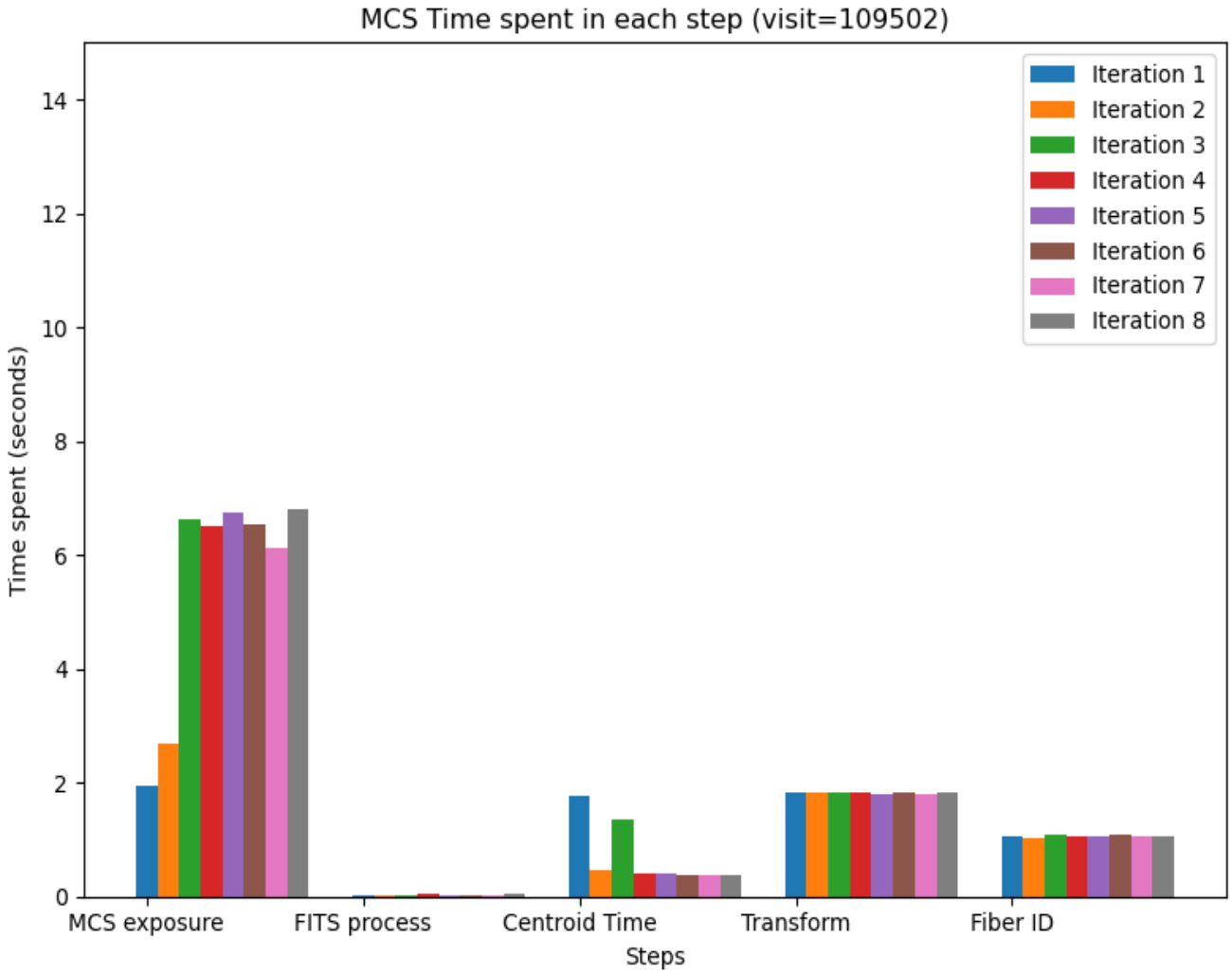

MCS Time spent in each step (visit=109456)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

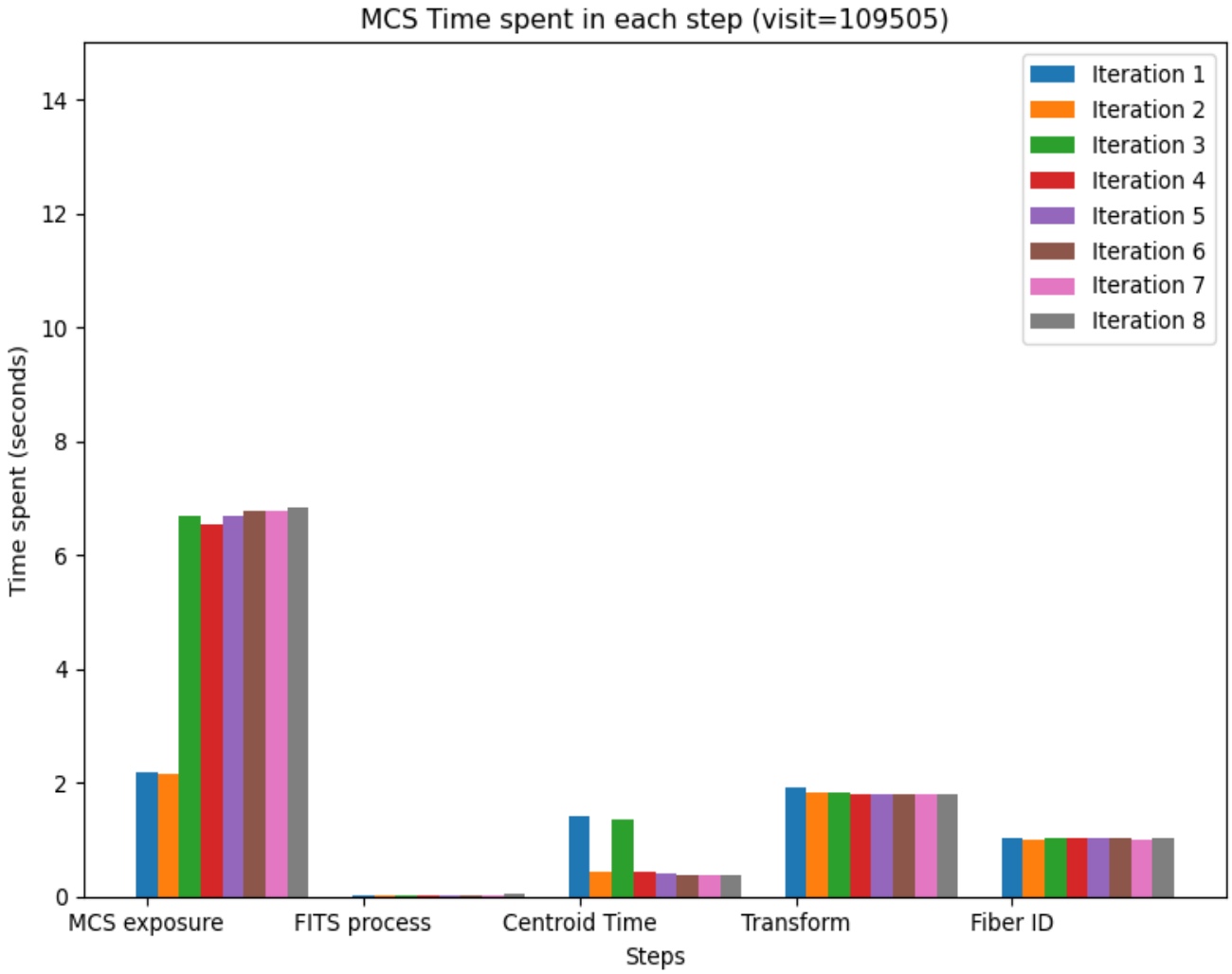

MCS Time spent in each step (visit=109459)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

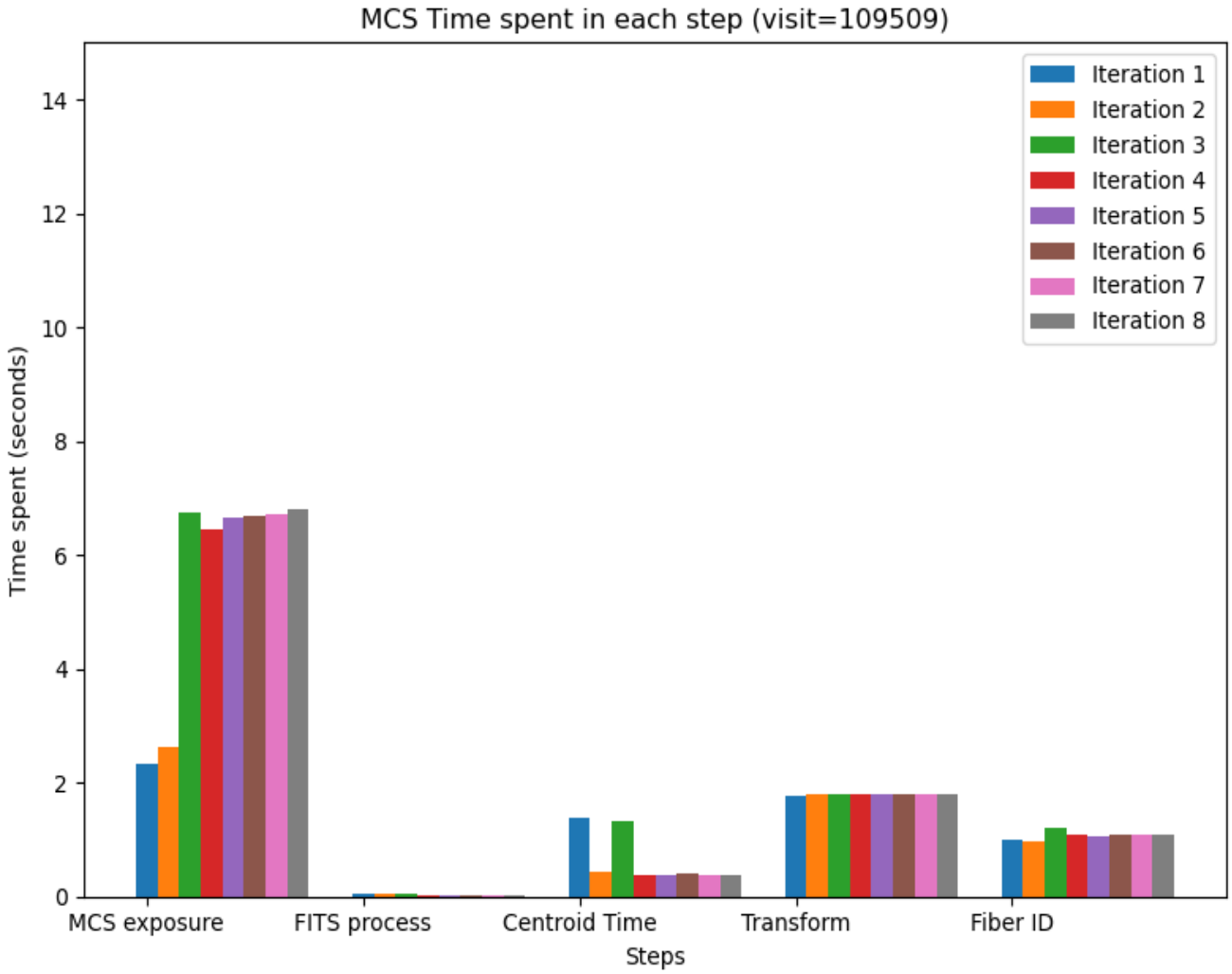

MCS Time spent in each step (visit=109477)
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

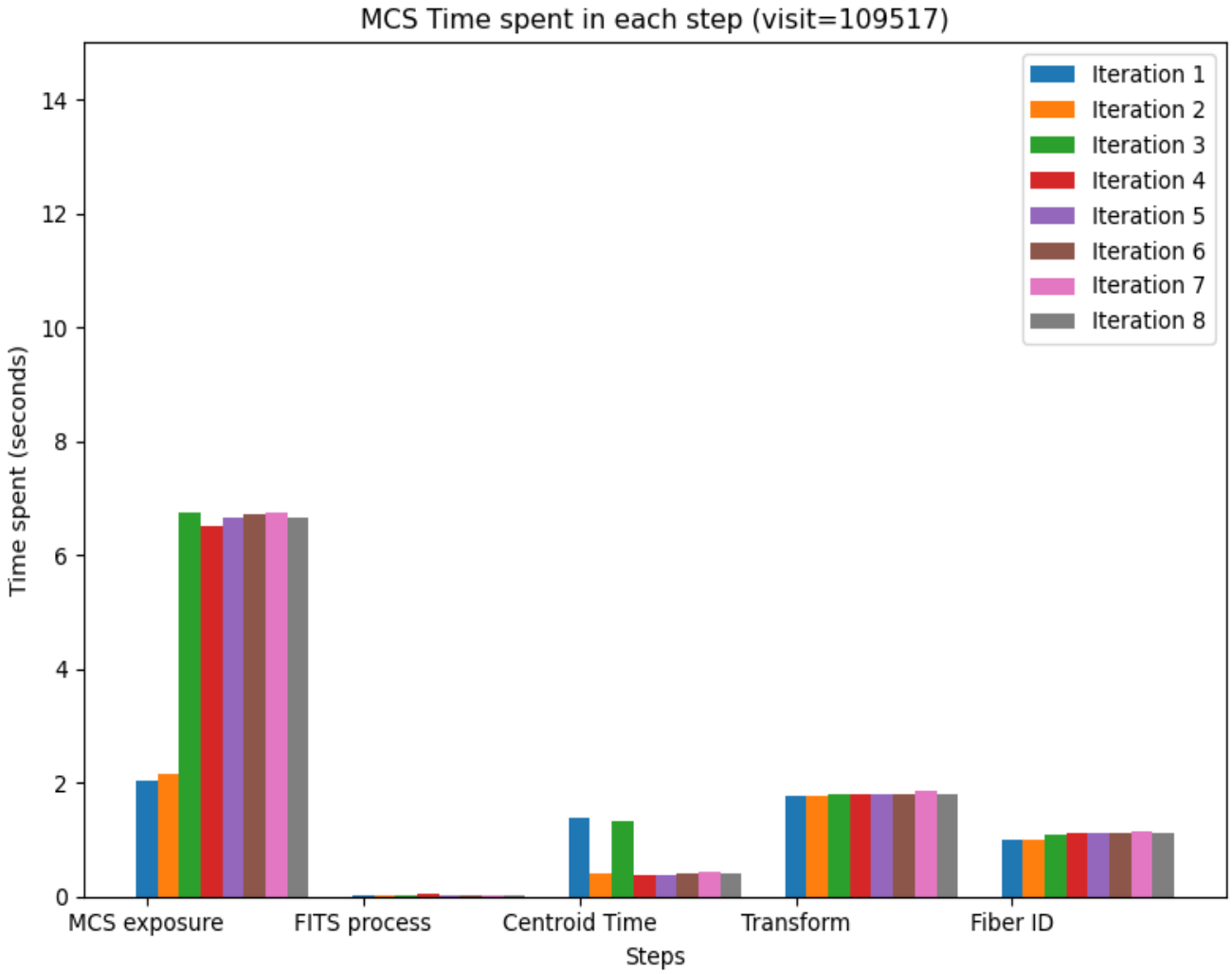

MCS Time spent in each step (visit=109485)
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

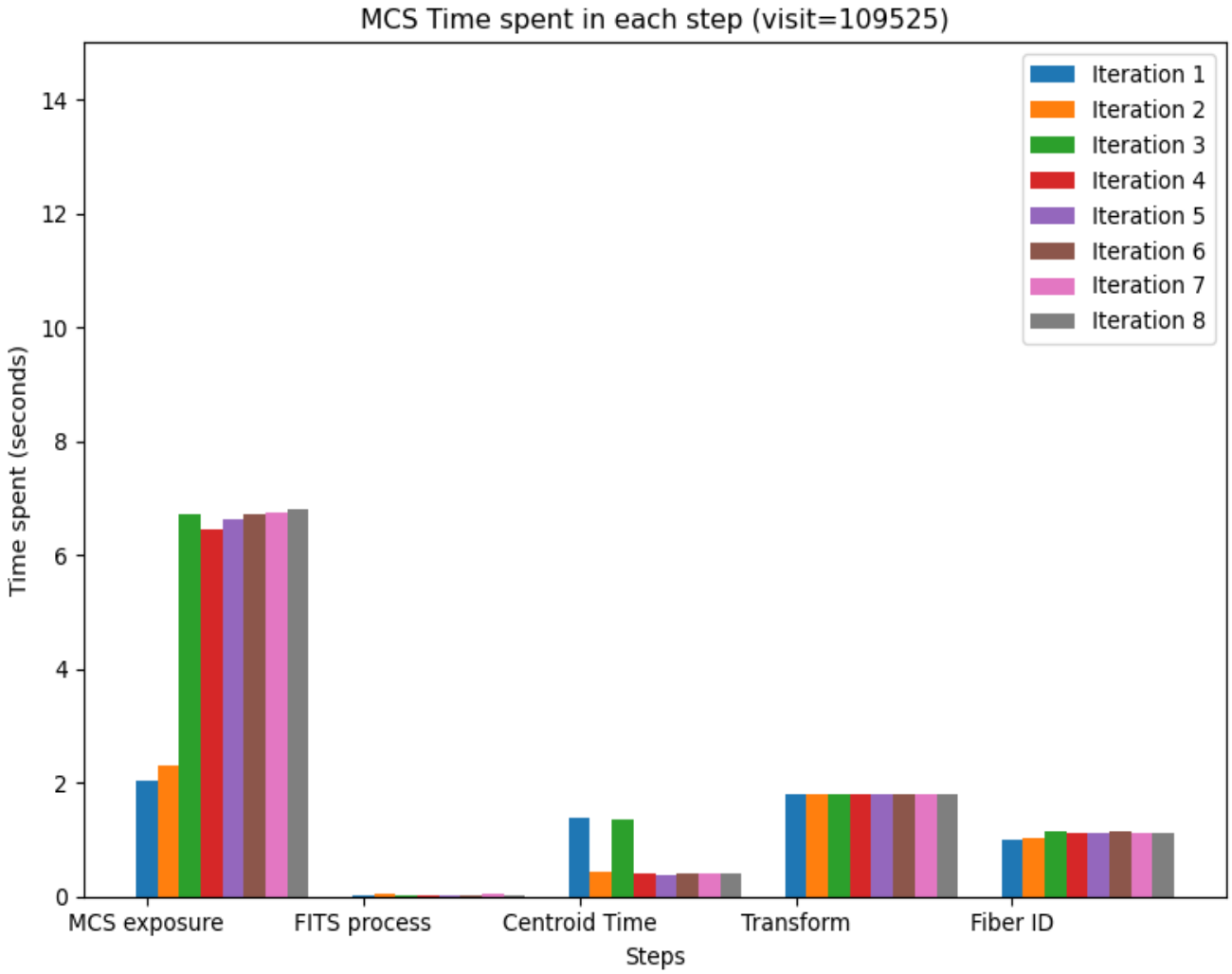

MCS Time spent in each step (visit=109493)
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

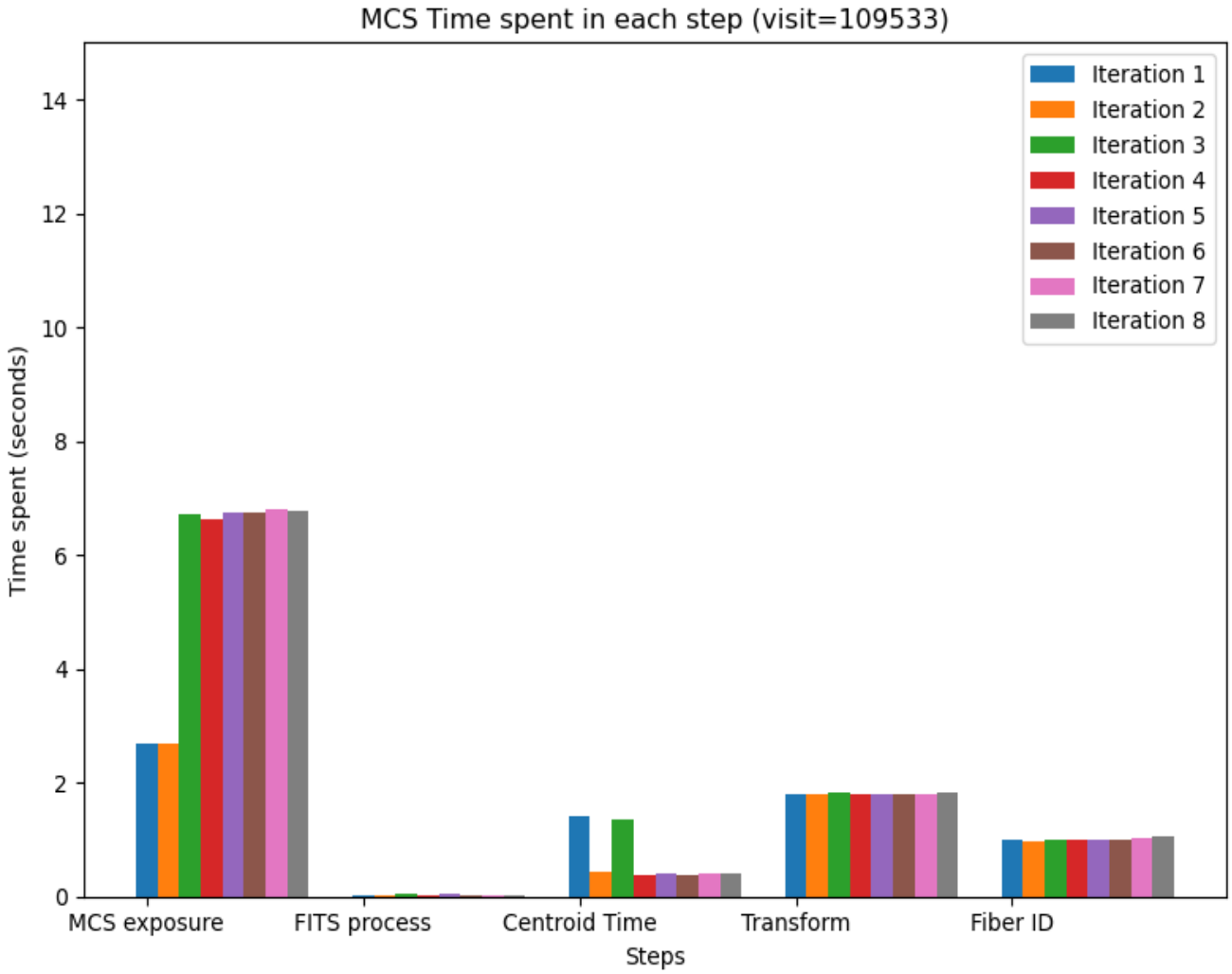

MCS Time spent in each step (visit=109502)
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

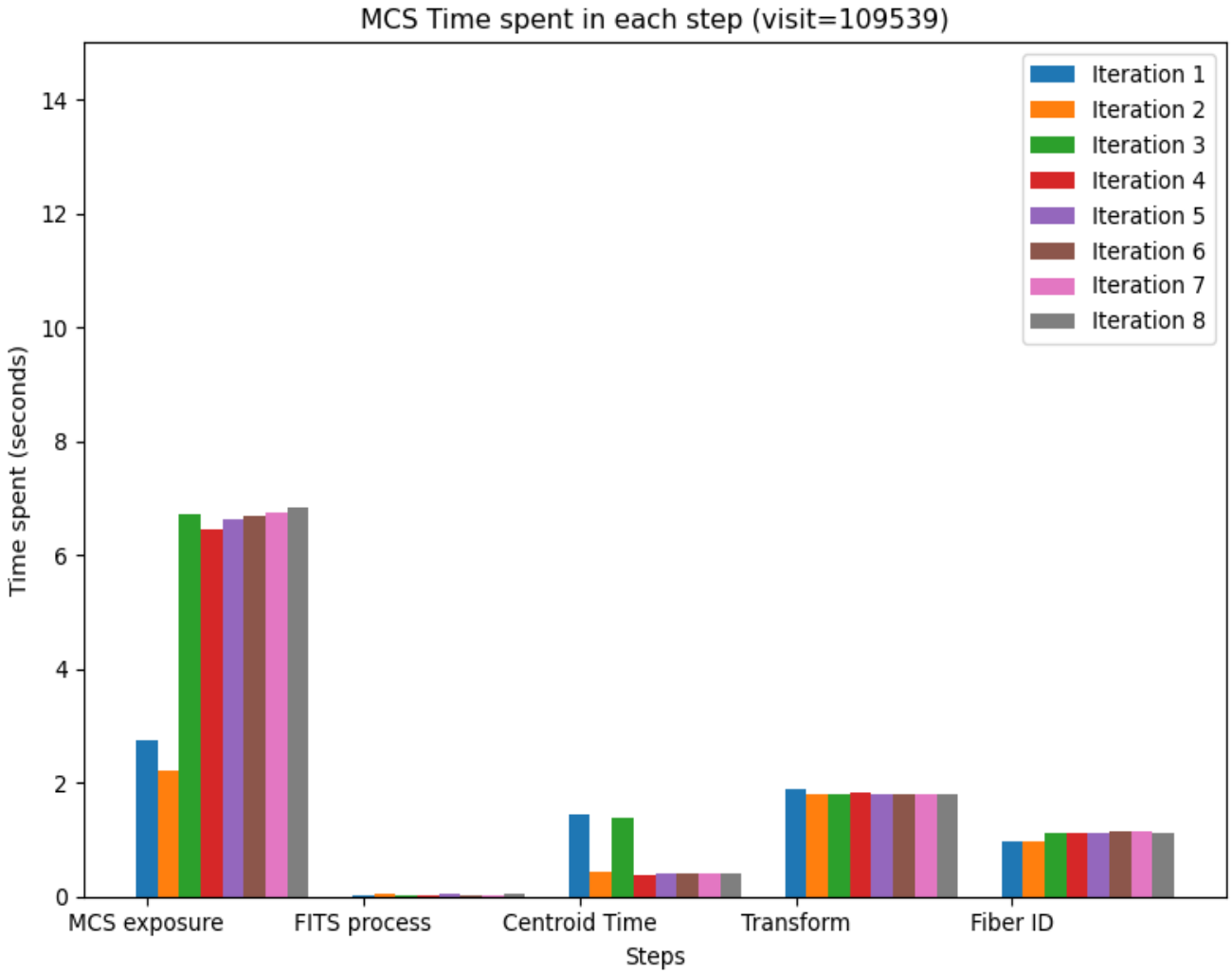

MCS Time spent in each step (visit=109505)
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

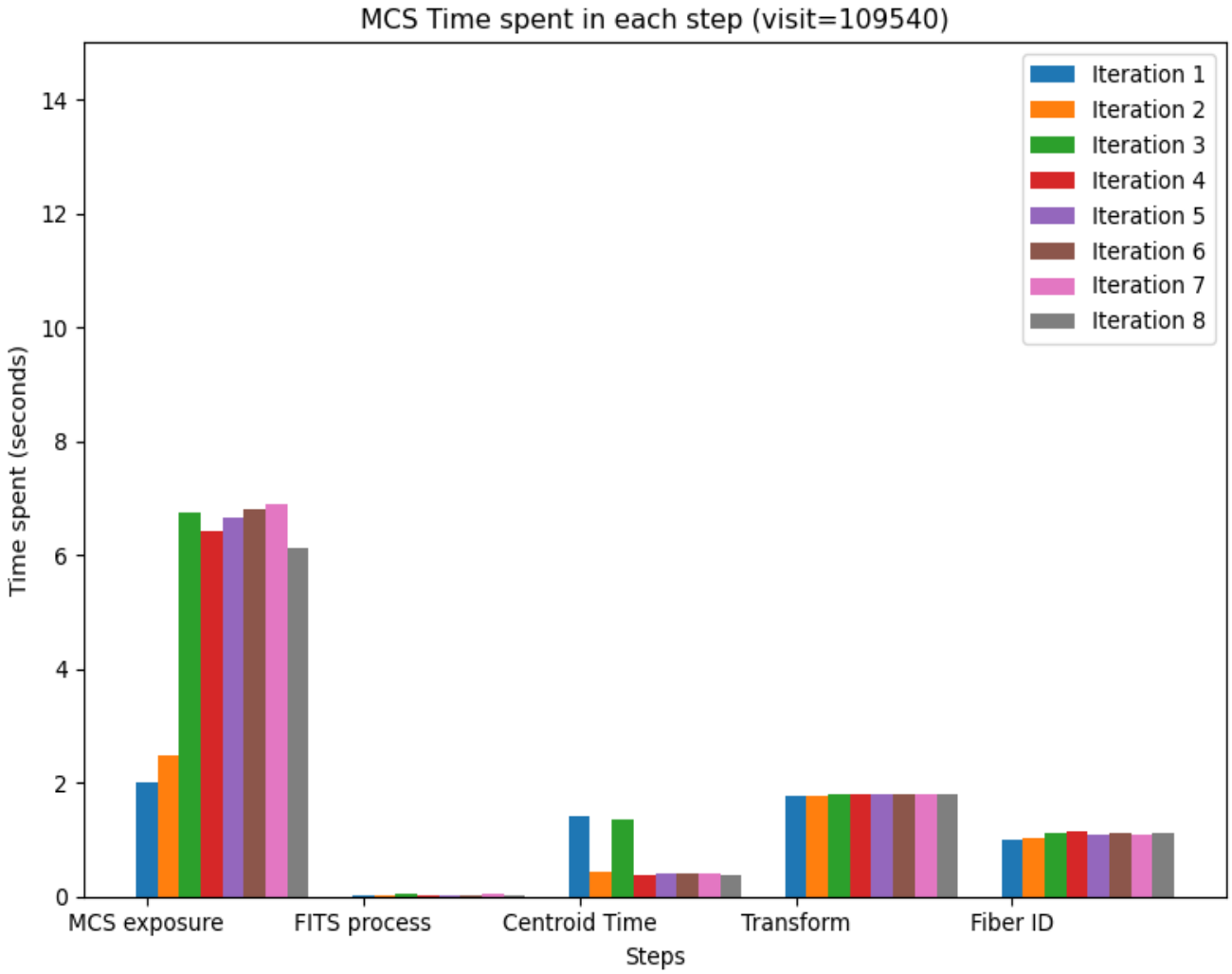

MCS Time spent in each step (visit=109509)
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

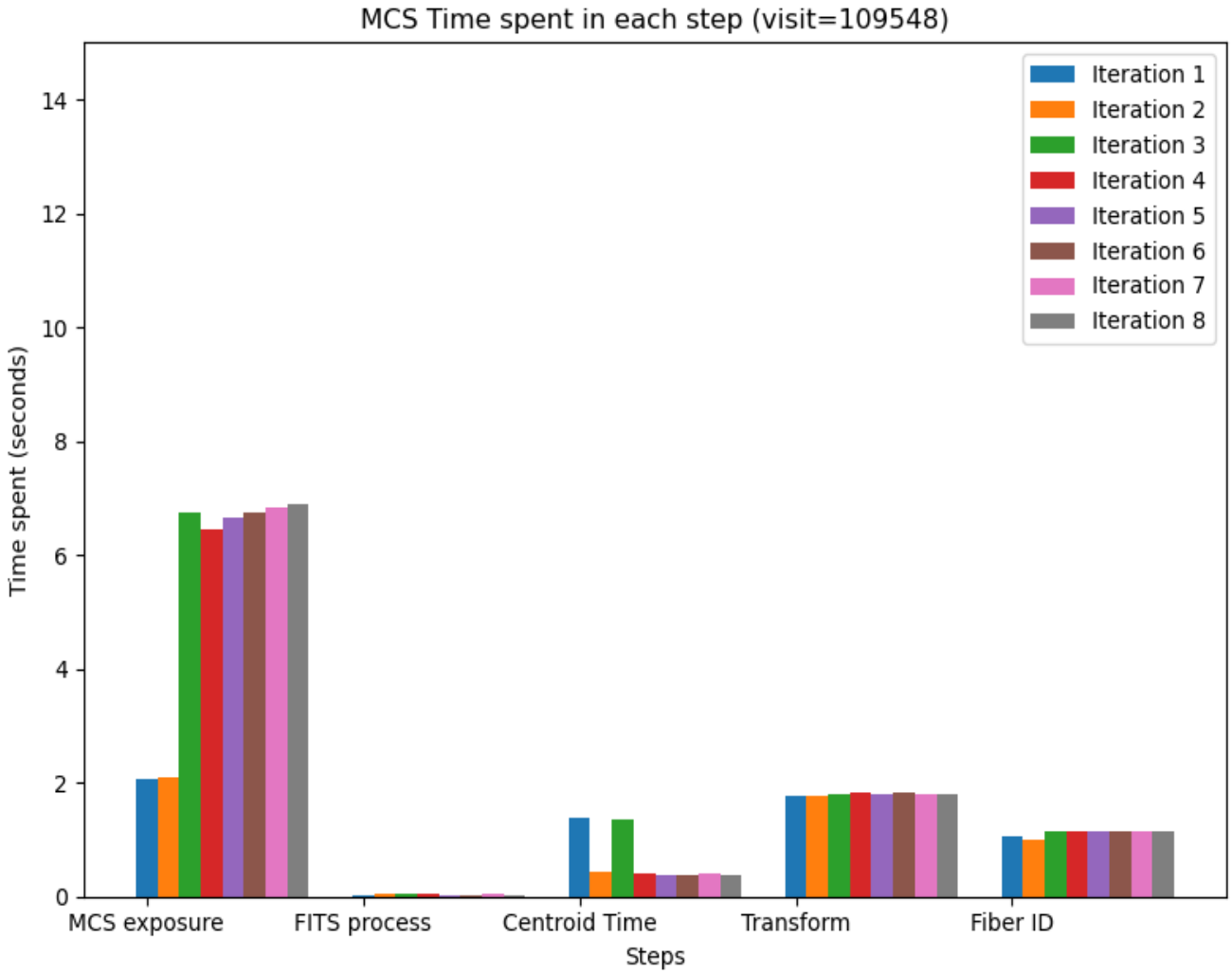

MCS Time spent in each step (visit=109517)
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

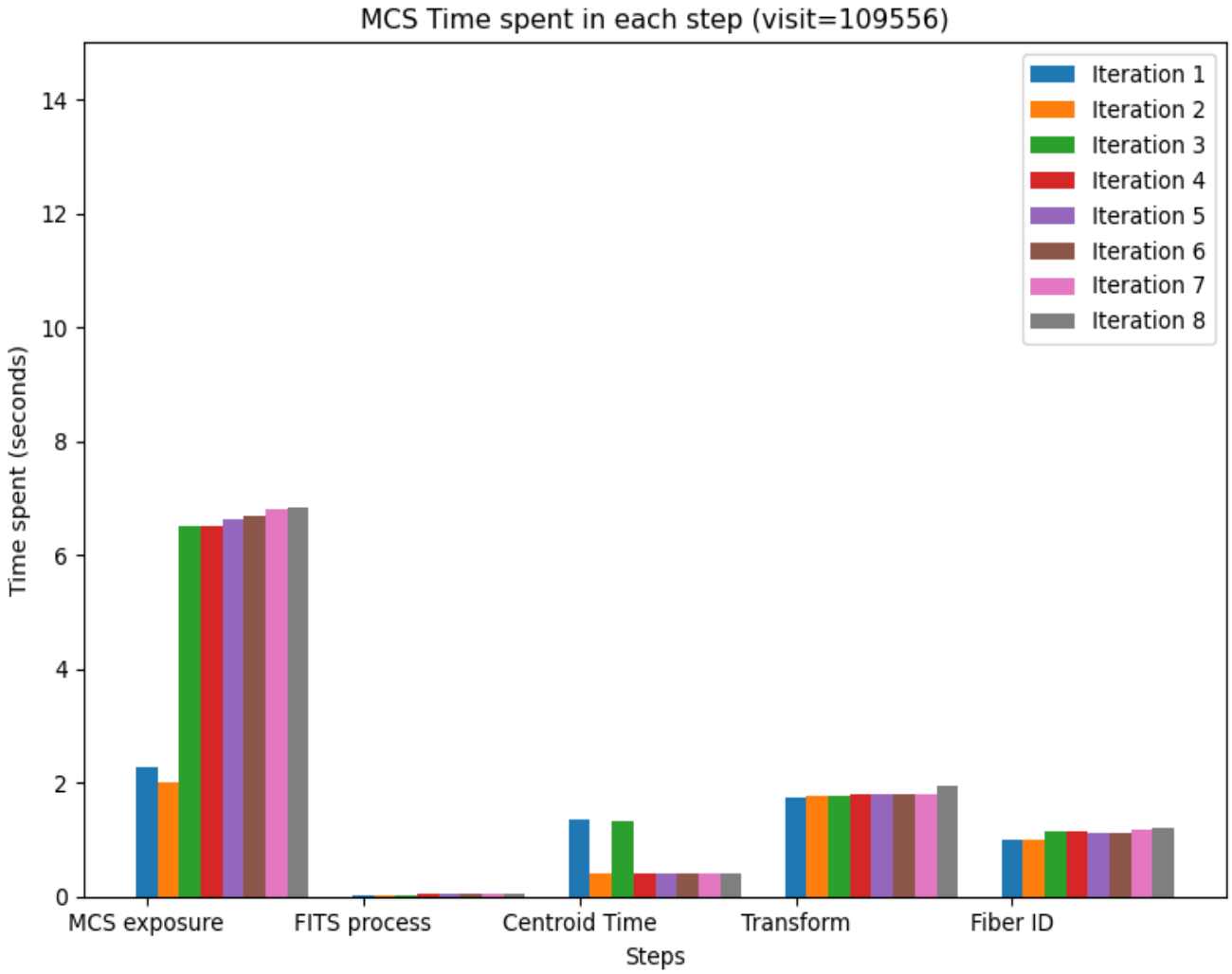

MCS Time spent in each step (visit=109525)
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

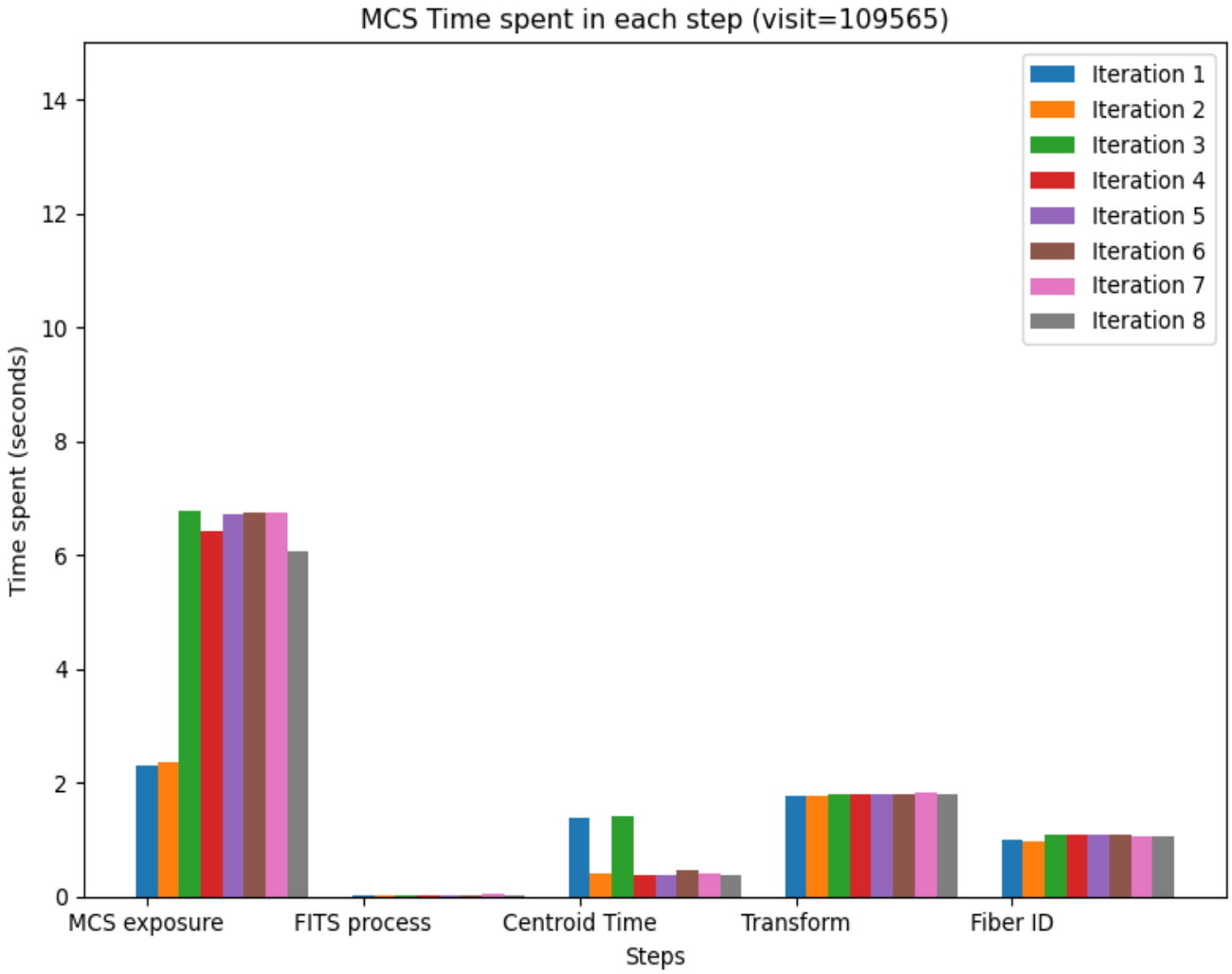

MCS Time spent in each step (visit=109533)
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

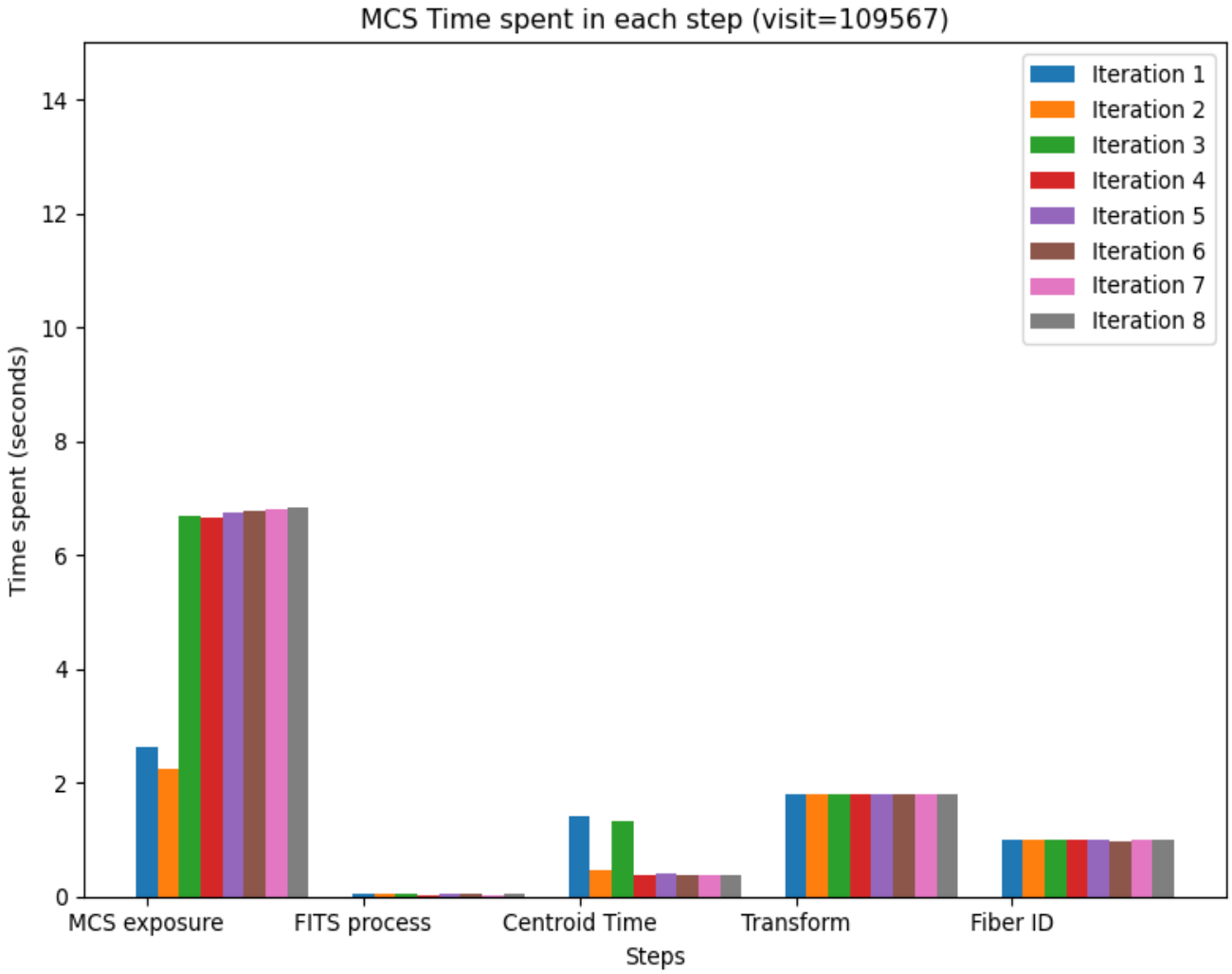

MCS Time spent in each step (visit=109539)
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

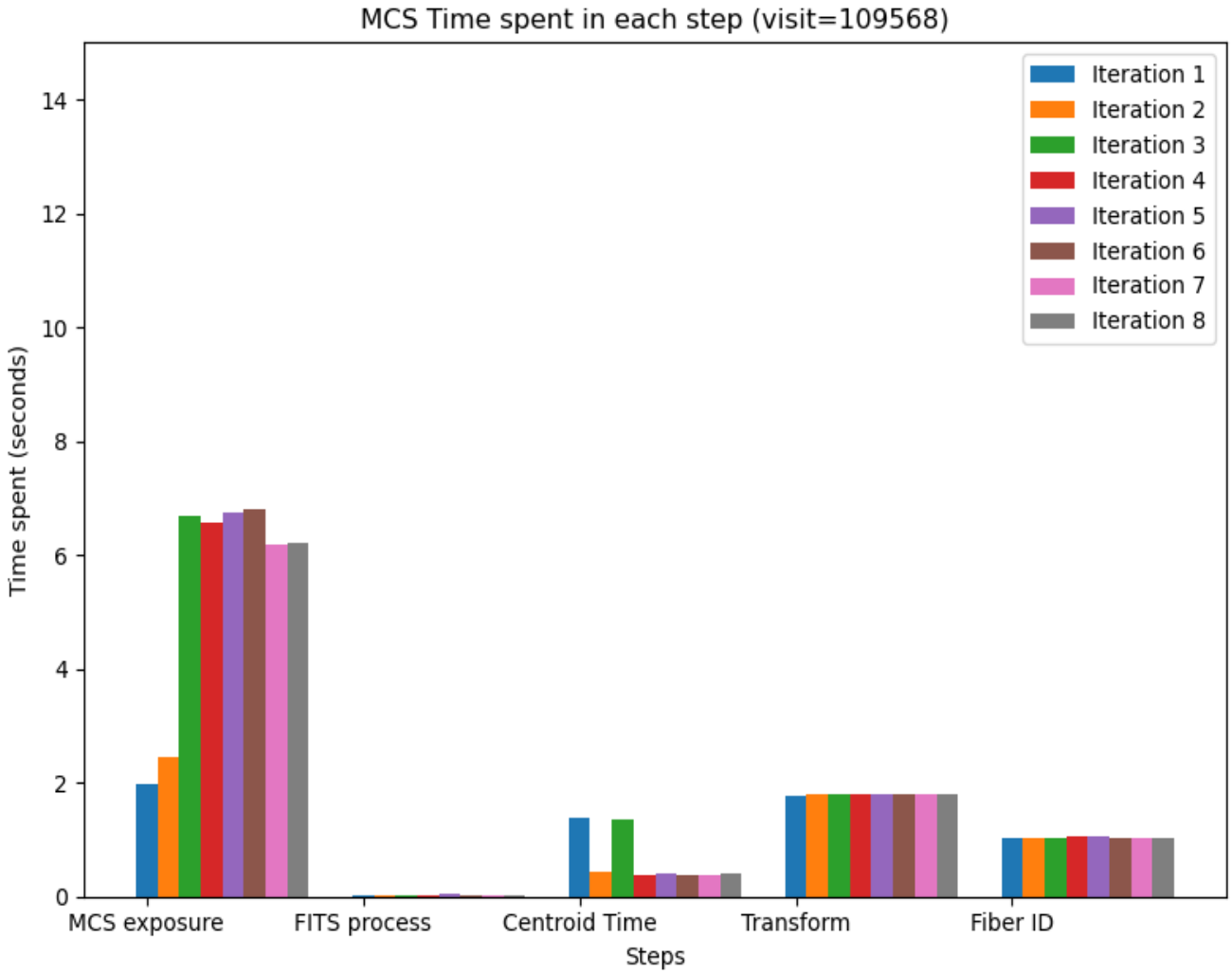

MCS Time spent in each step (visit=109540)
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

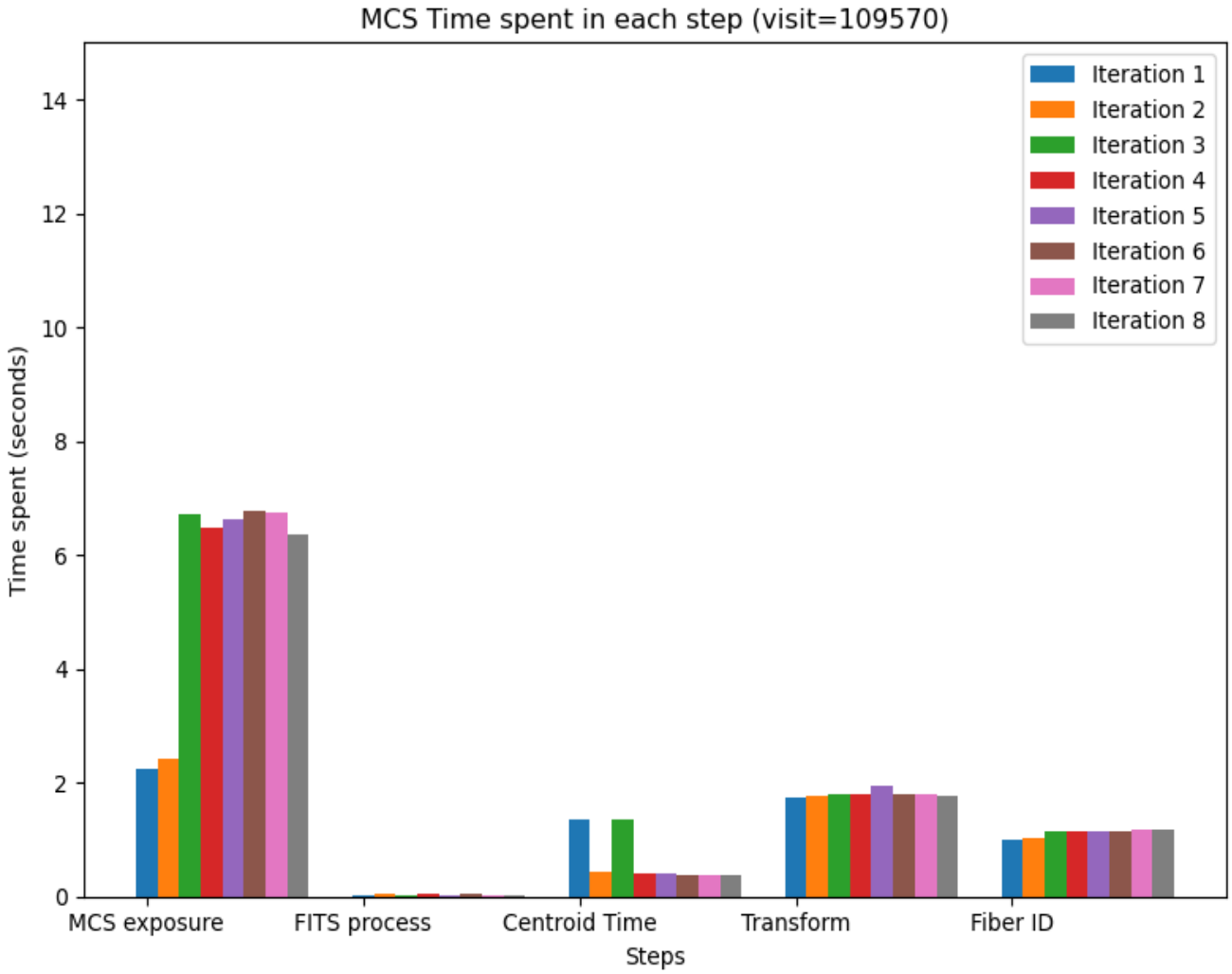

MCS Time spent in each step (visit=109548)
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

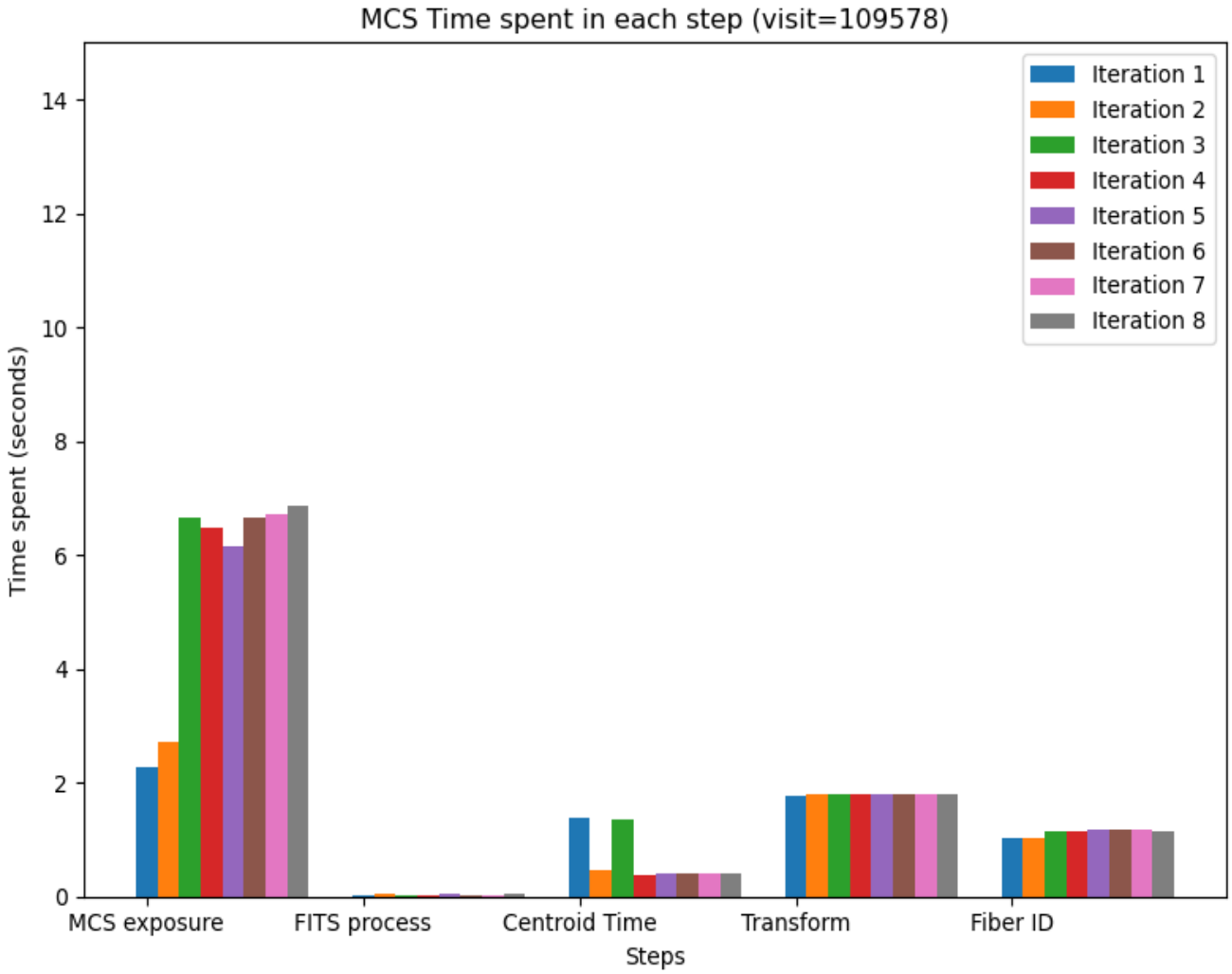

MCS Time spent in each step (visit=109556)
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

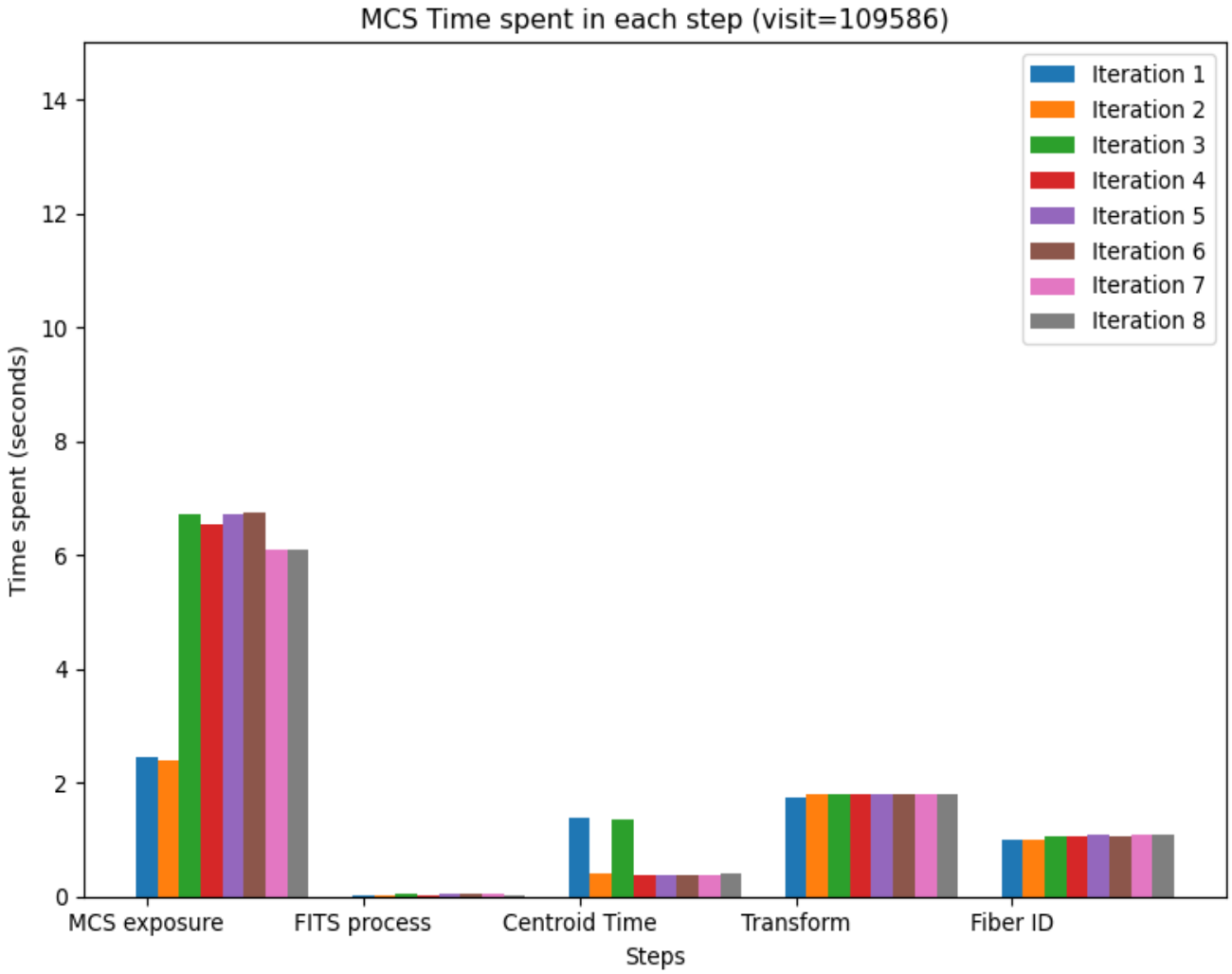

MCS Time spent in each step (visit=109565)
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

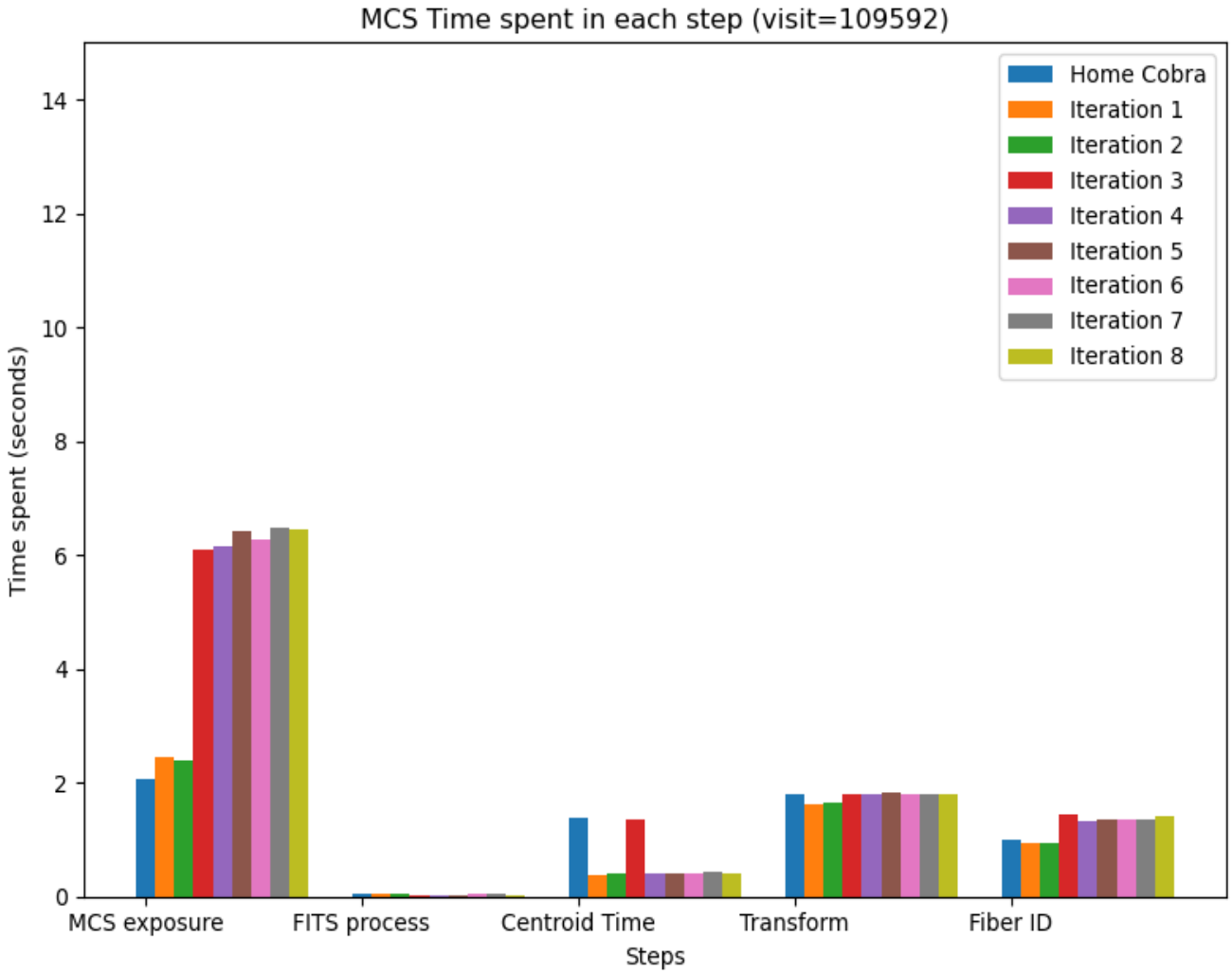

MCS Time spent in each step (visit=109567)
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

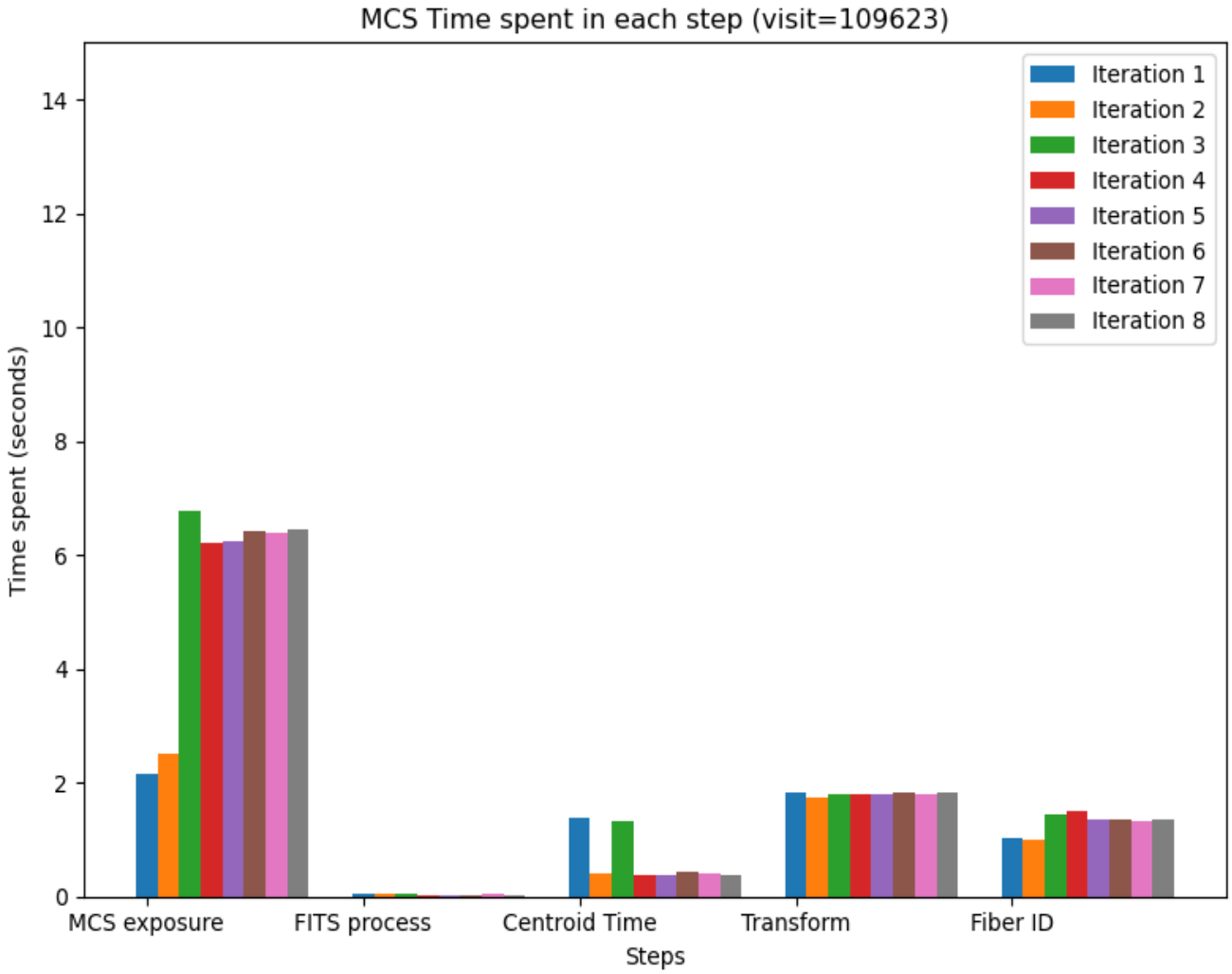

MCS Time spent in each step (visit=109568)
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

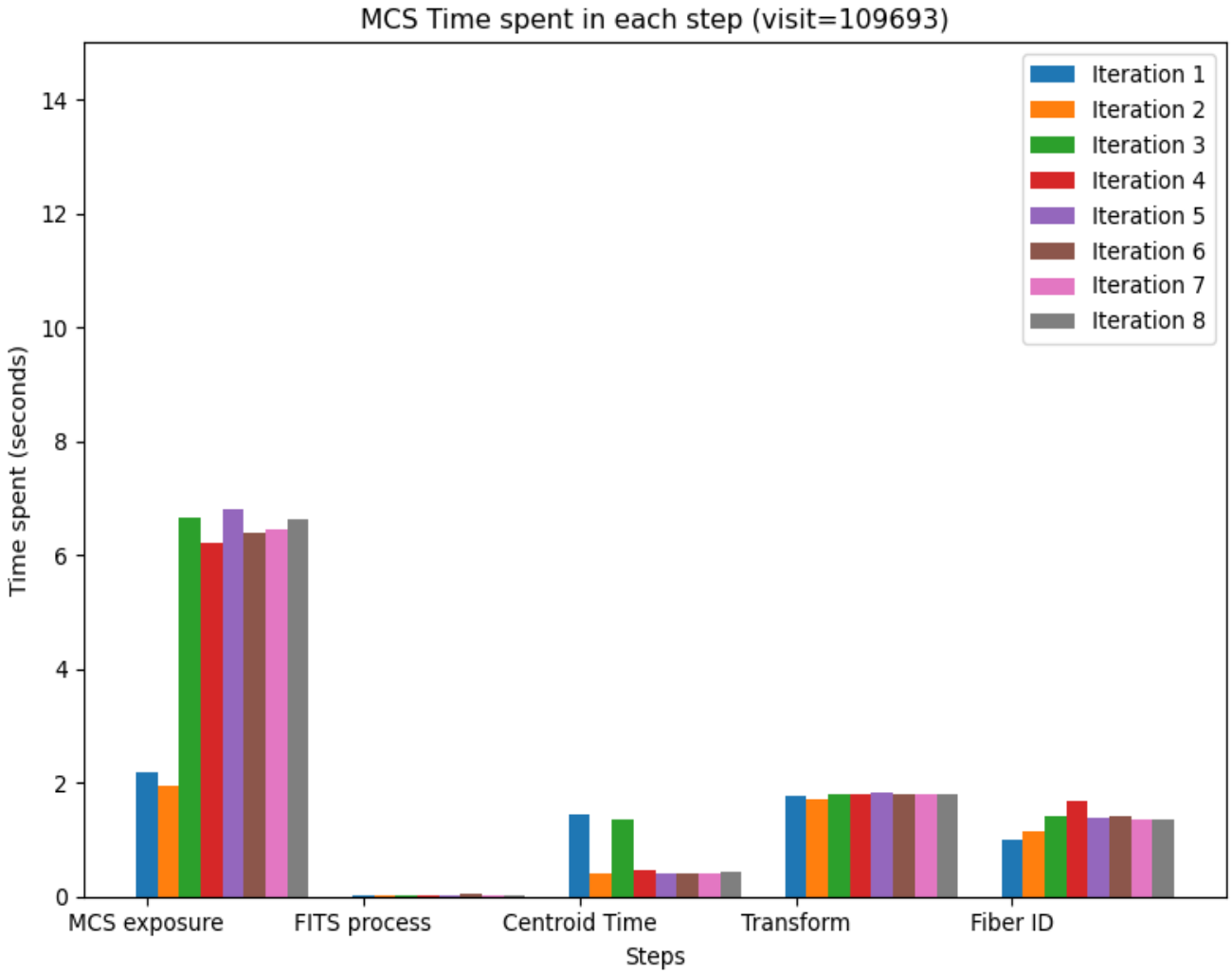

MCS Time spent in each step (visit=109570)
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

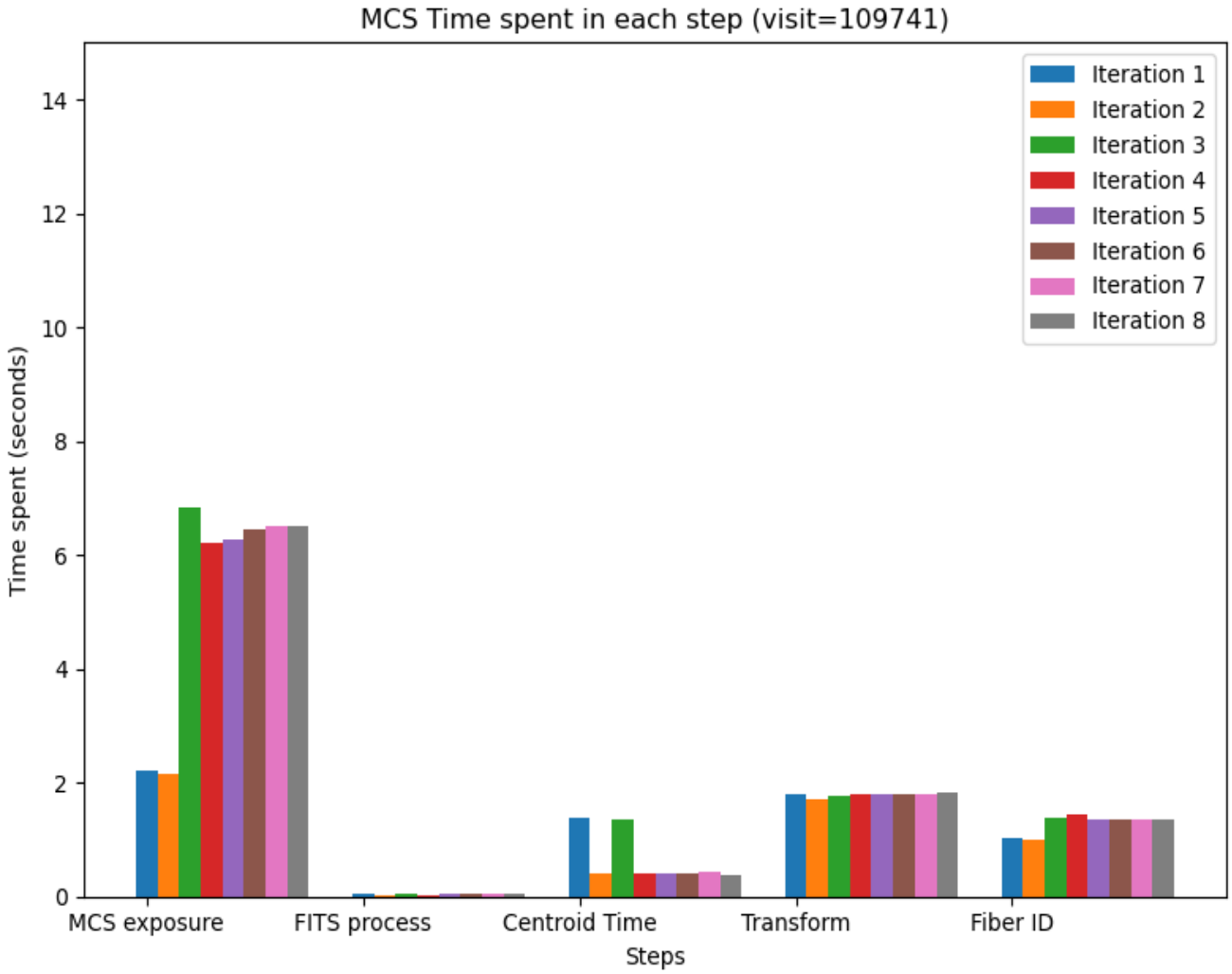

MCS Time spent in each step (visit=109578)
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

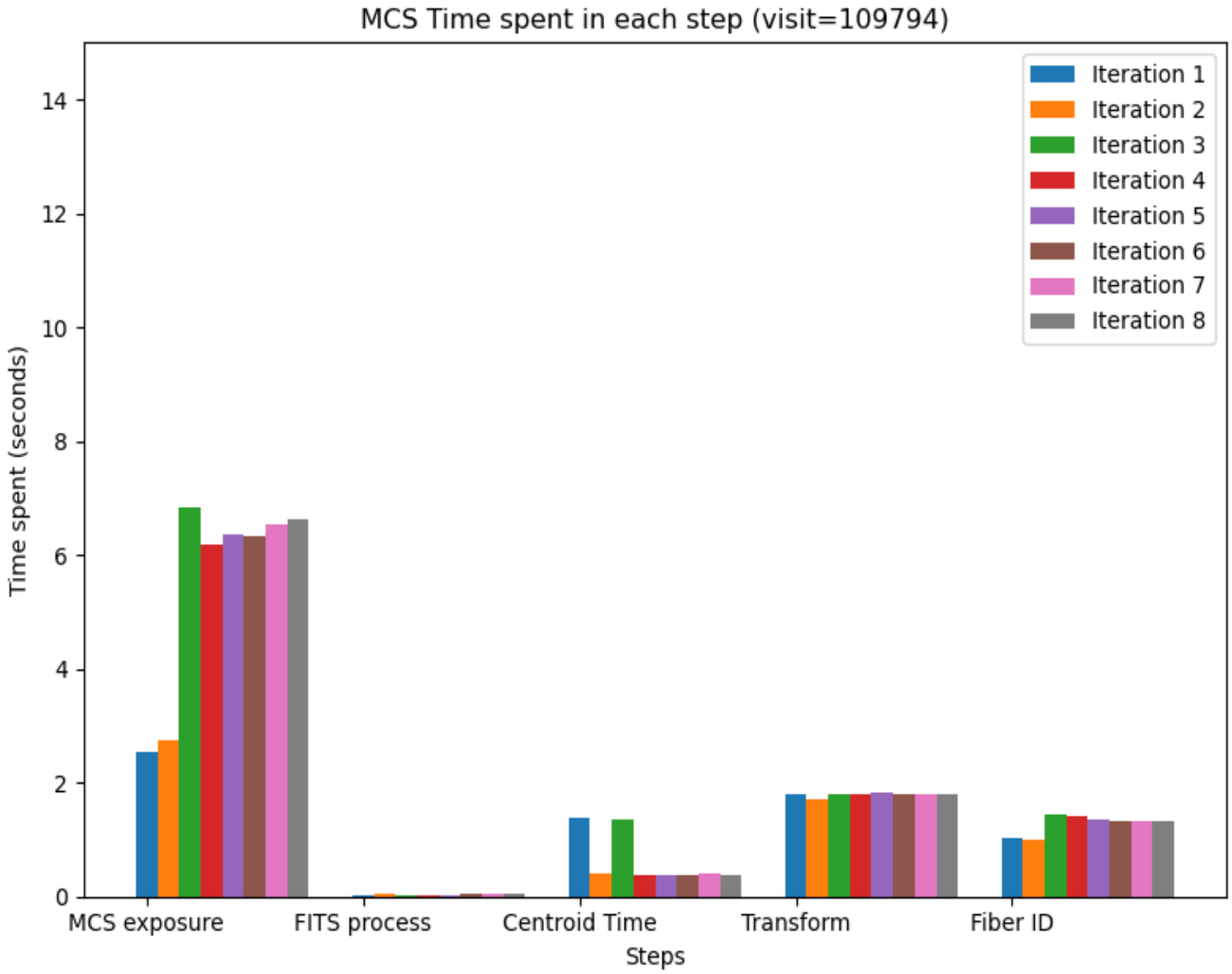

MCS Time spent in each step (visit=109586)
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

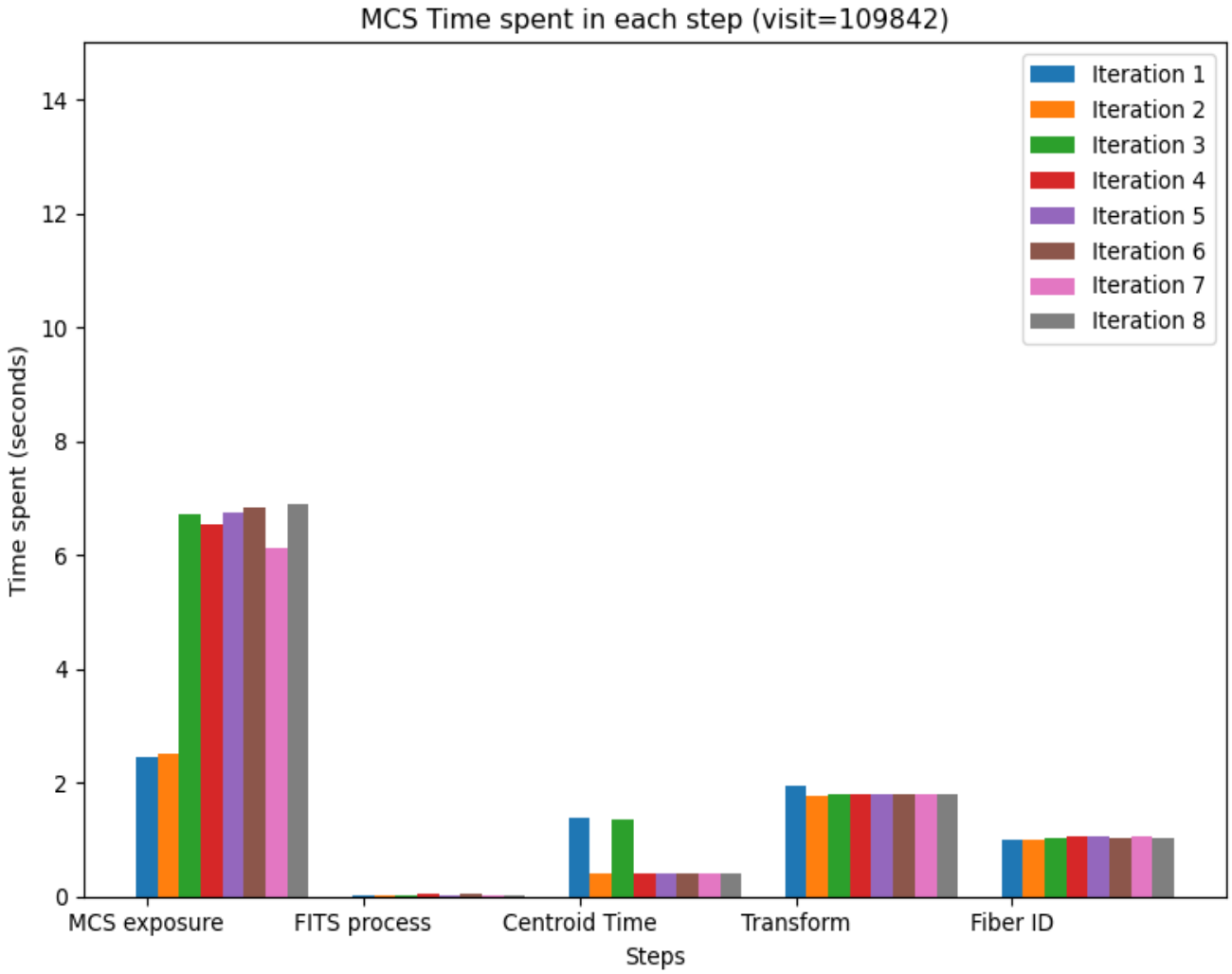

MCS Time spent in each step (visit=109592)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

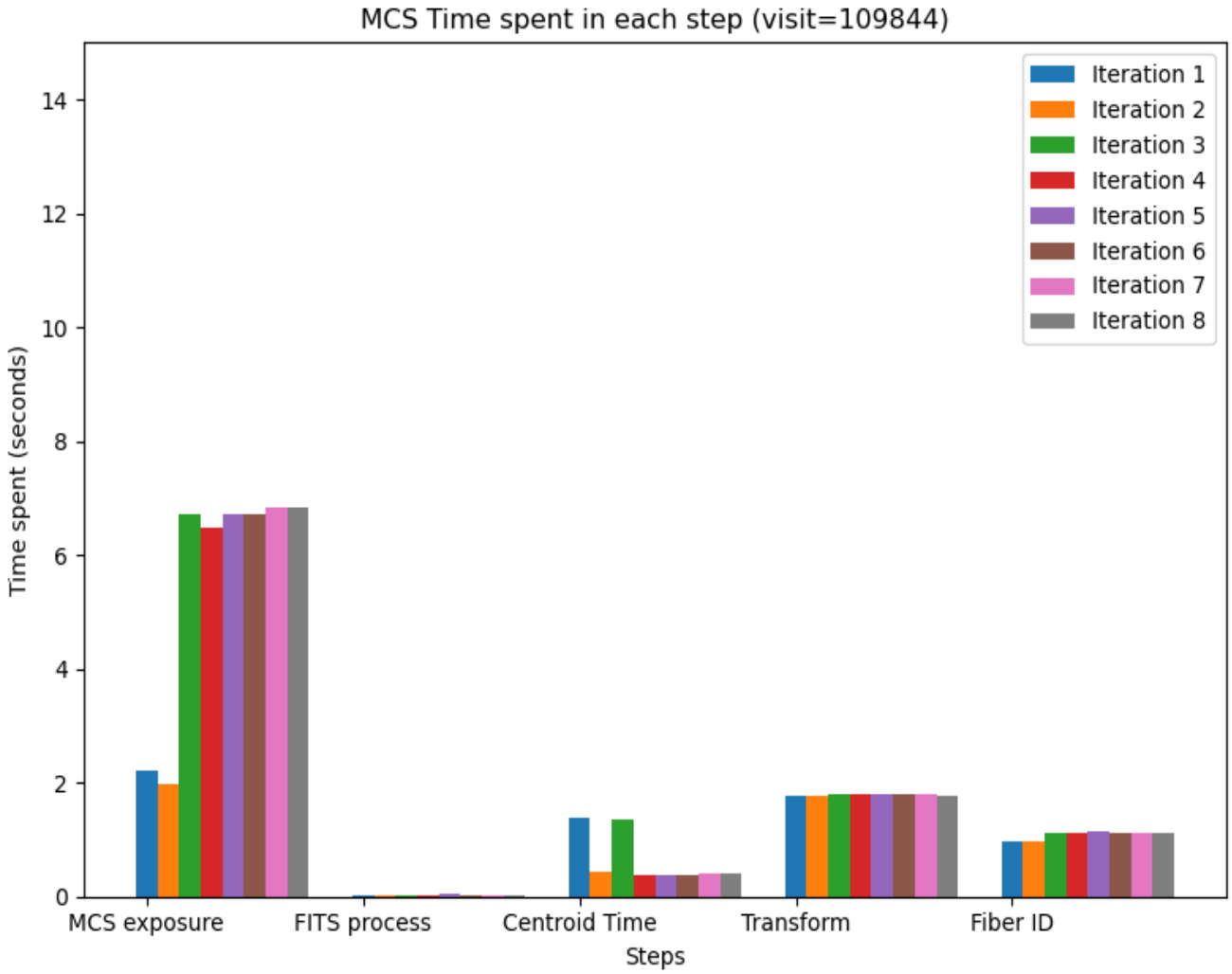

MCS Time spent in each step (visit=109623)
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

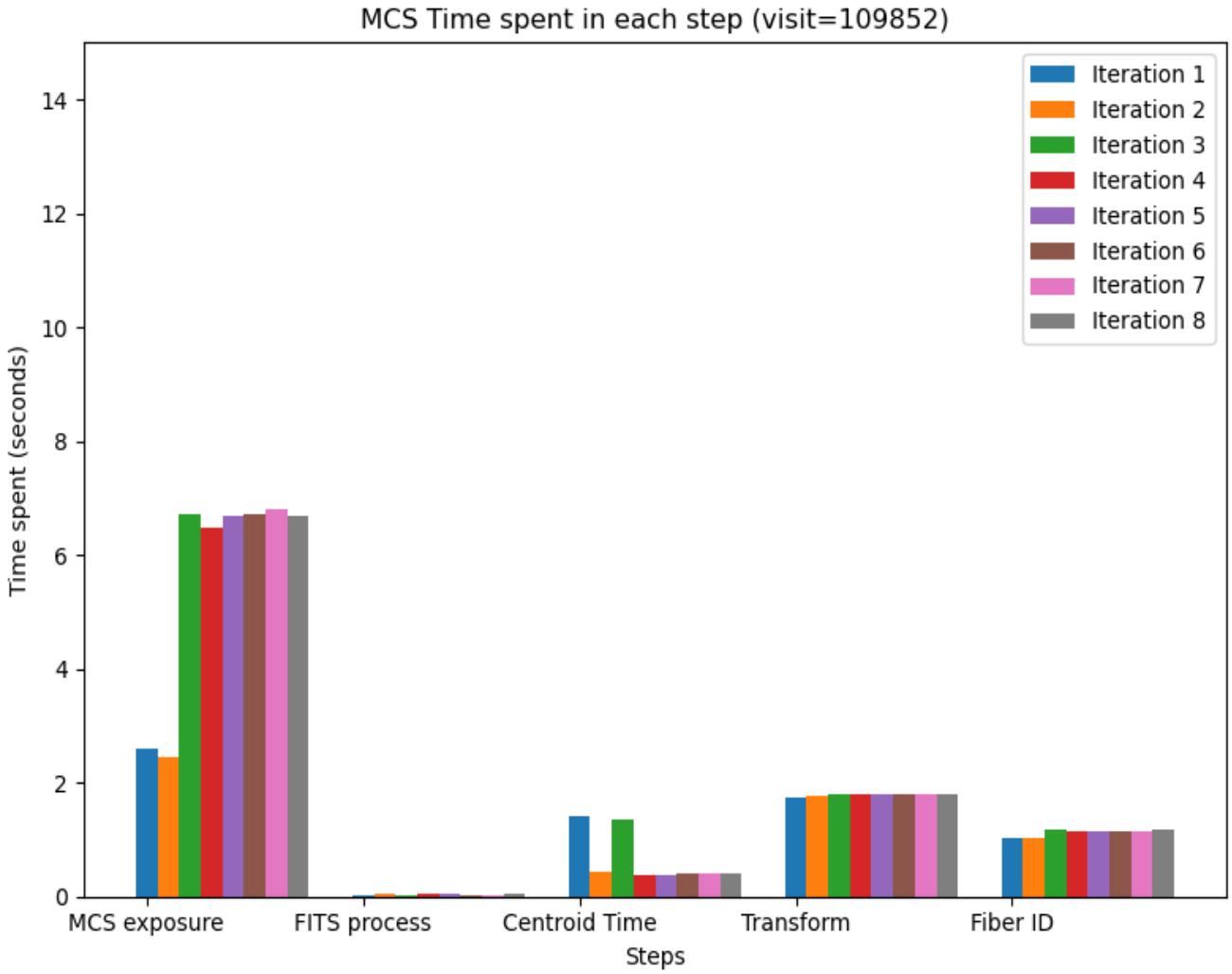

MCS Time spent in each step (visit=109693)
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

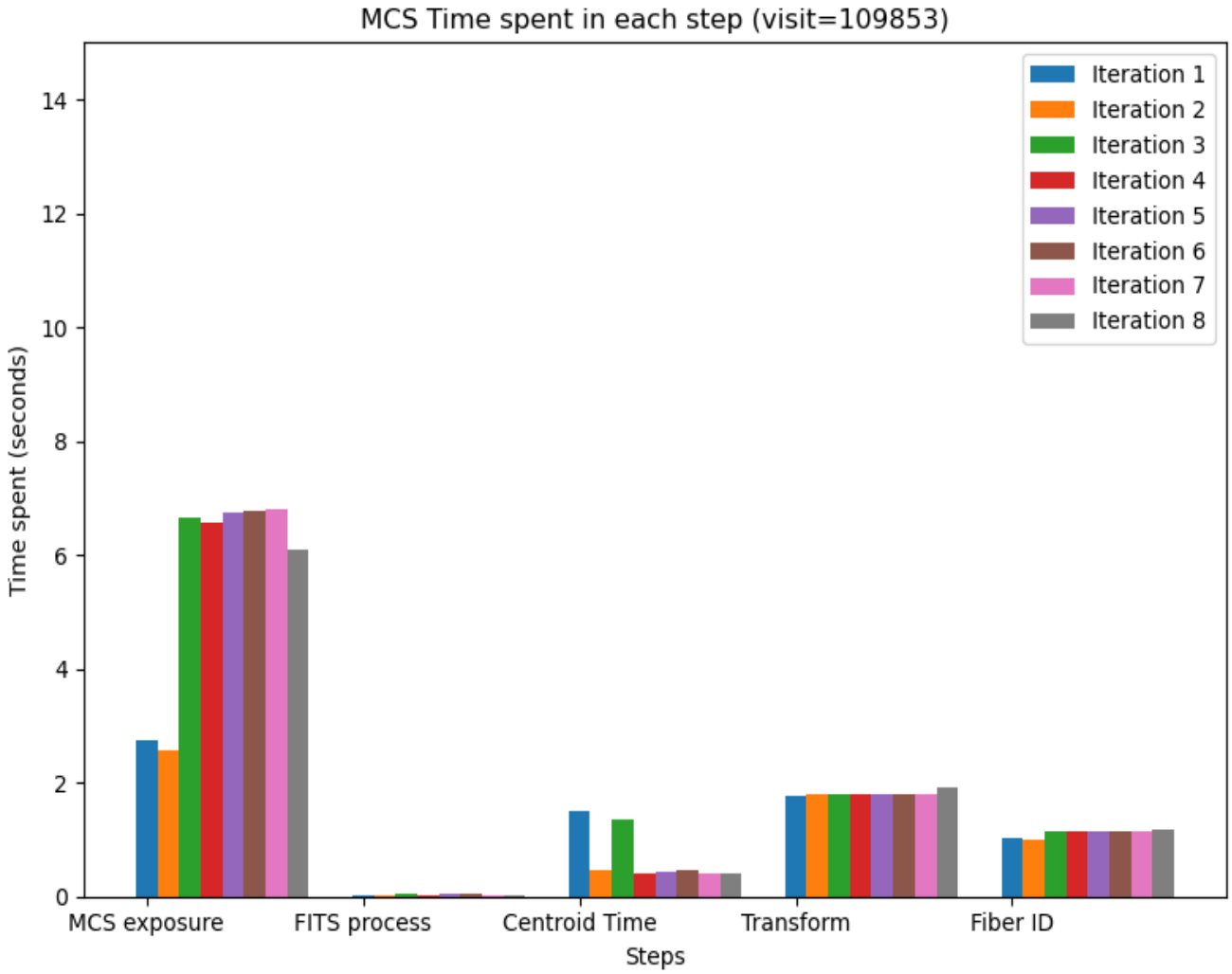

MCS Time spent in each step (visit=109741)
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

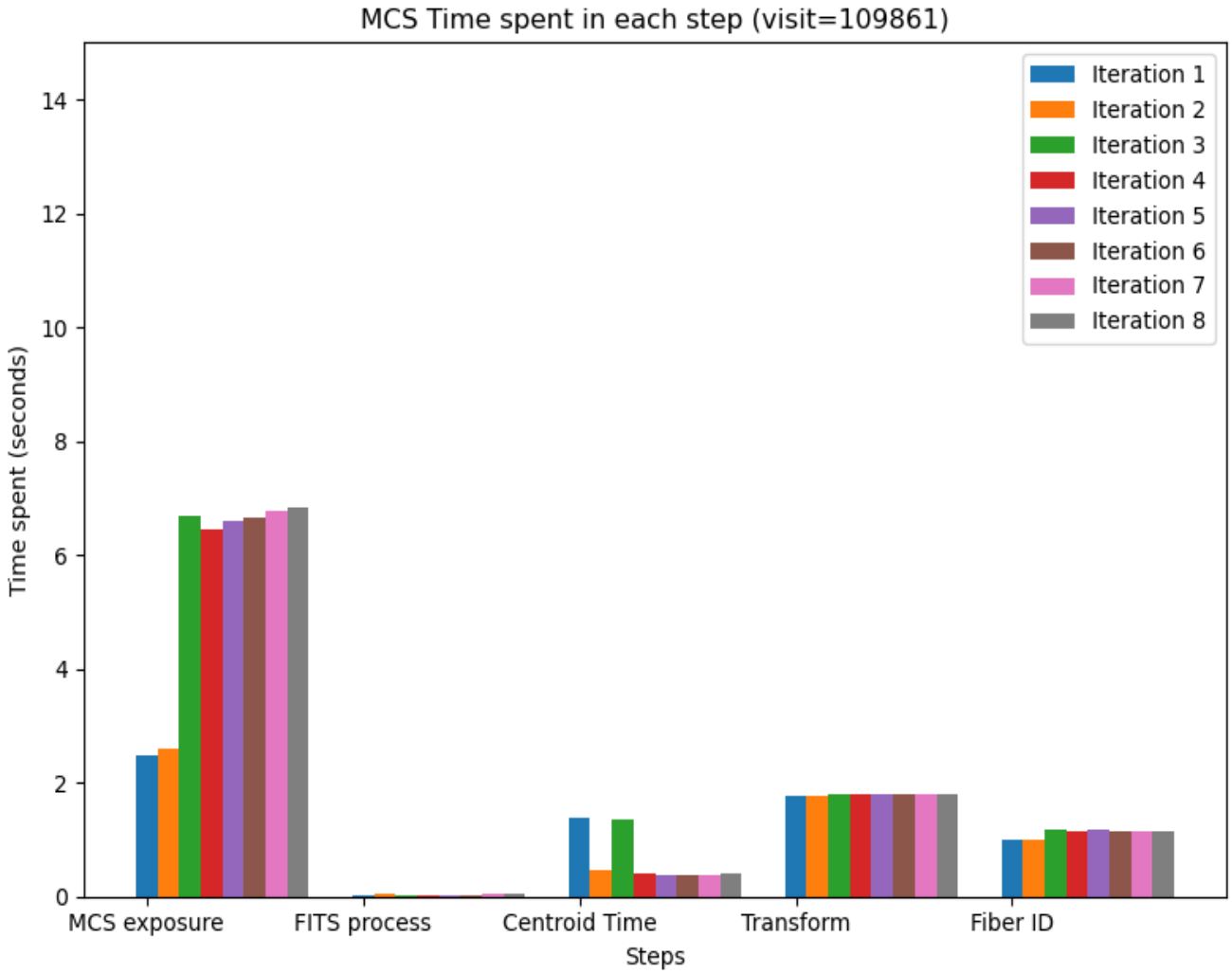

MCS Time spent in each step (visit=109794)
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

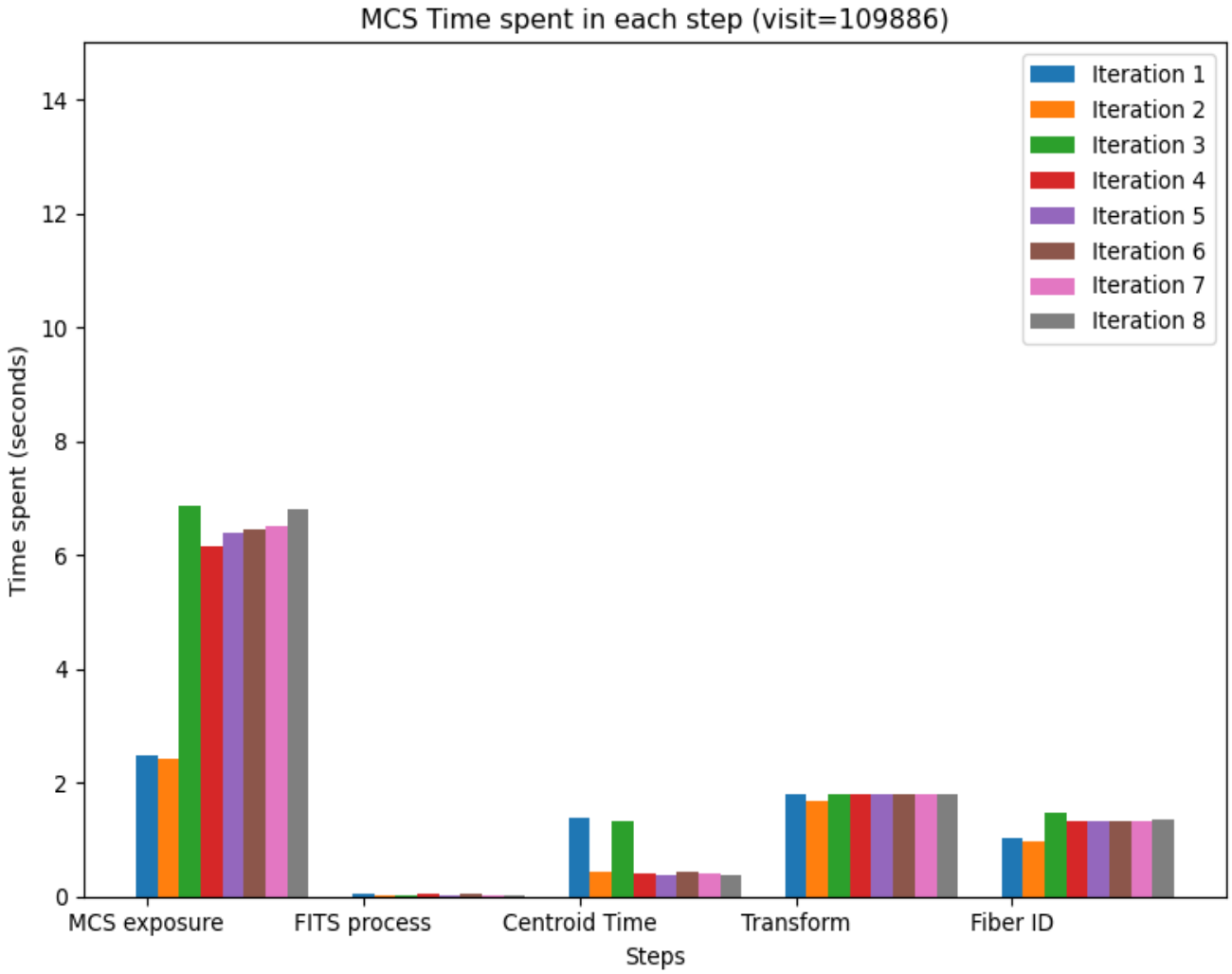

MCS Time spent in each step (visit=109842)
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

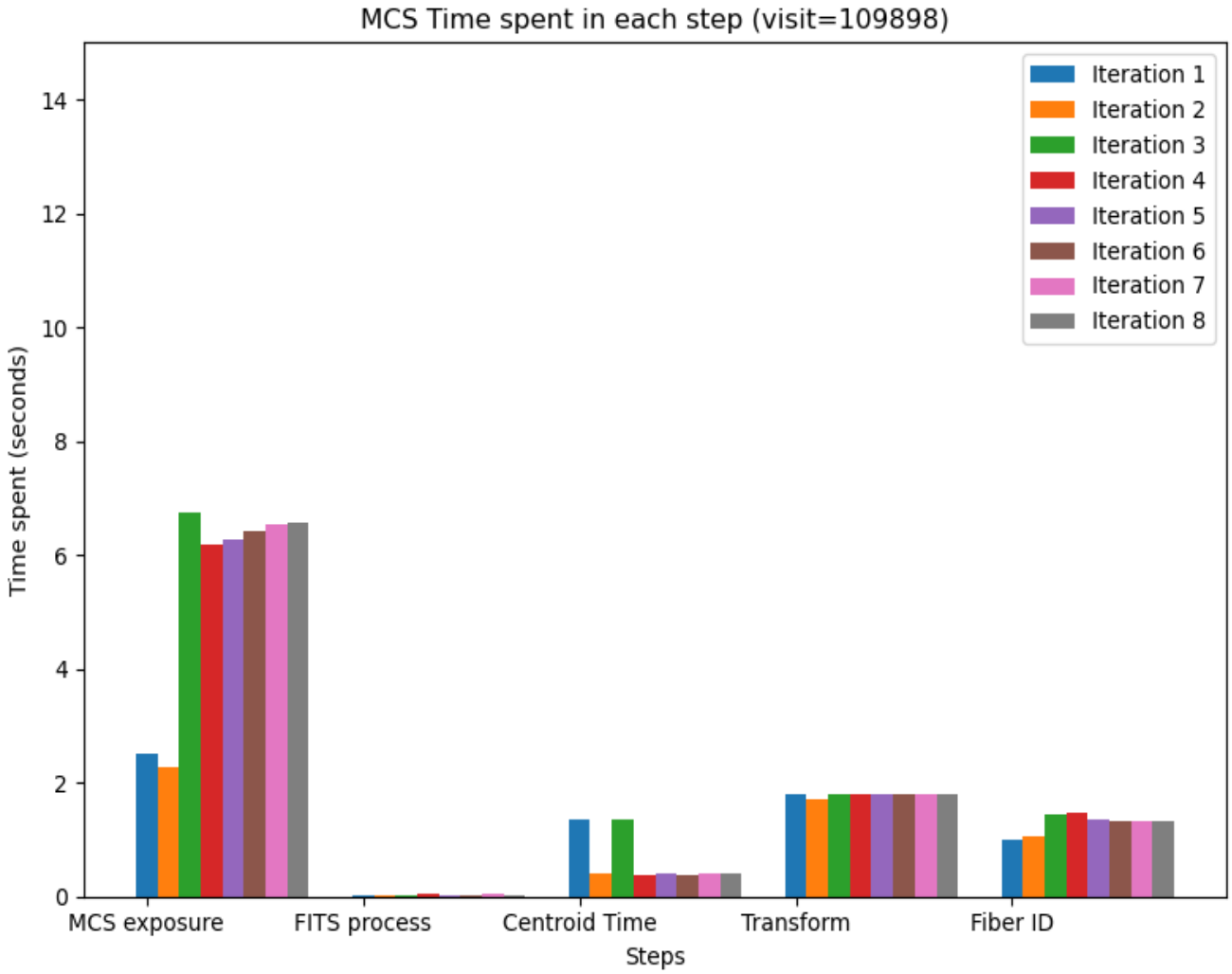

MCS Time spent in each step (visit=109844)
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

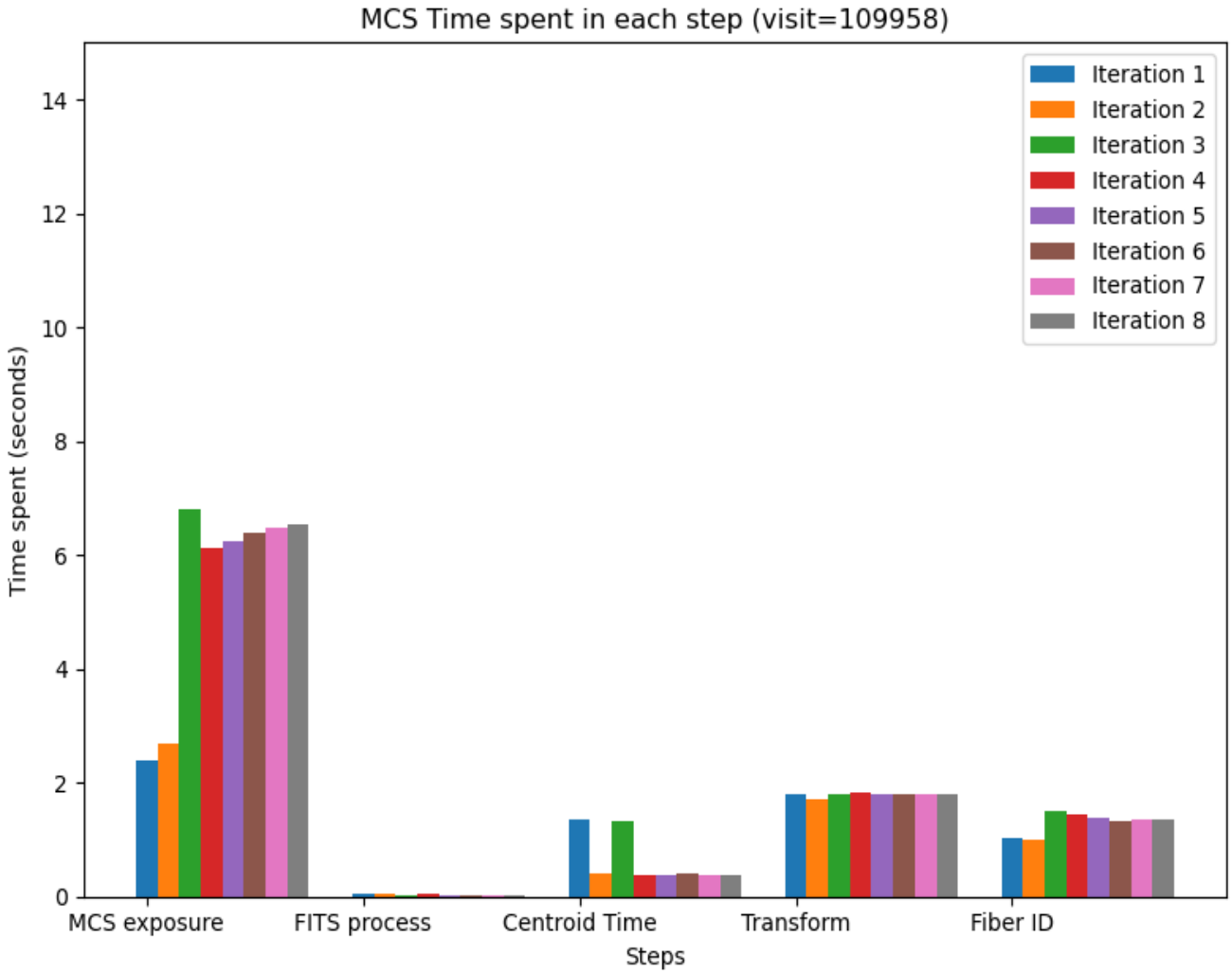

MCS Time spent in each step (visit=109852)
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

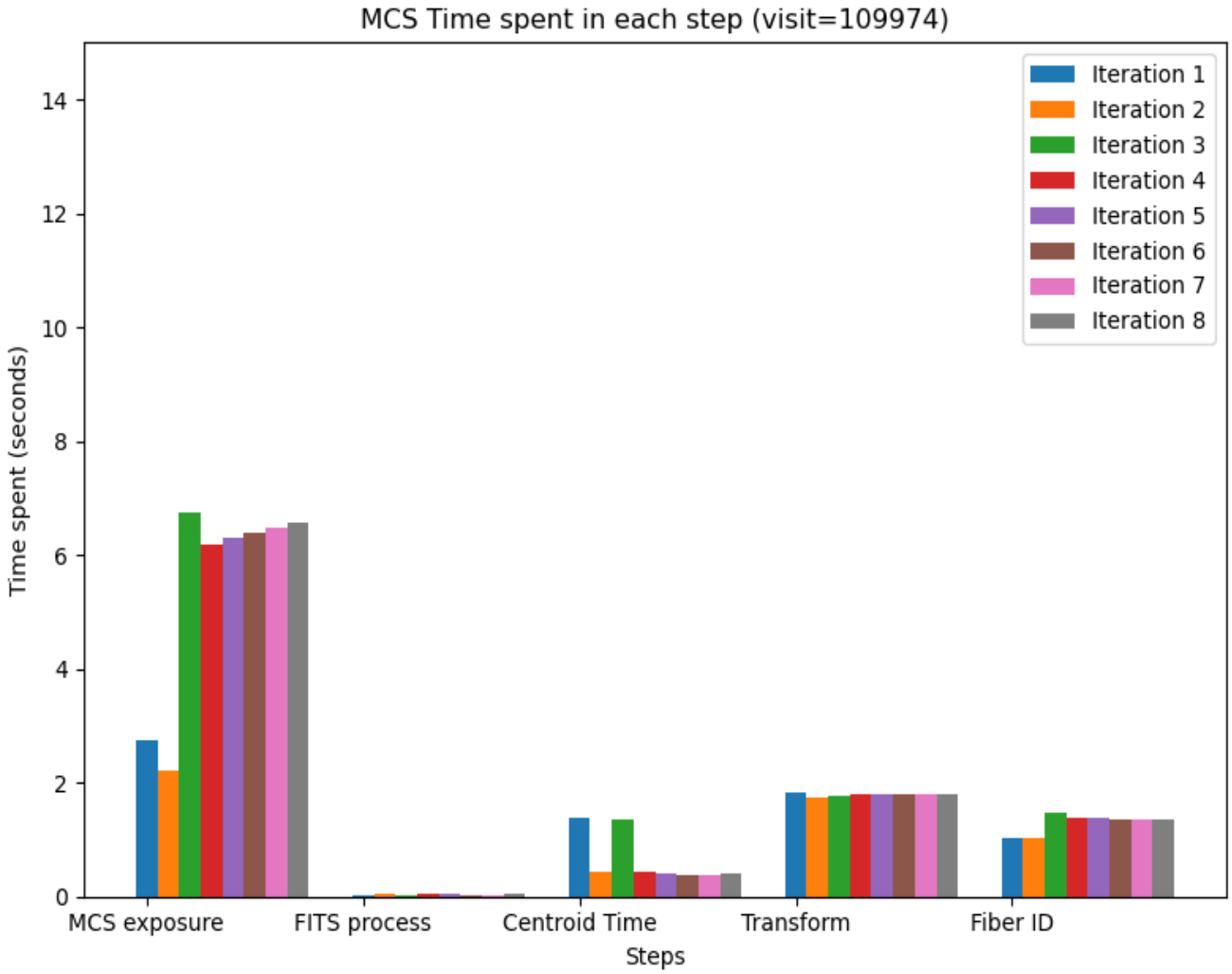

MCS Time spent in each step (visit=109853)
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

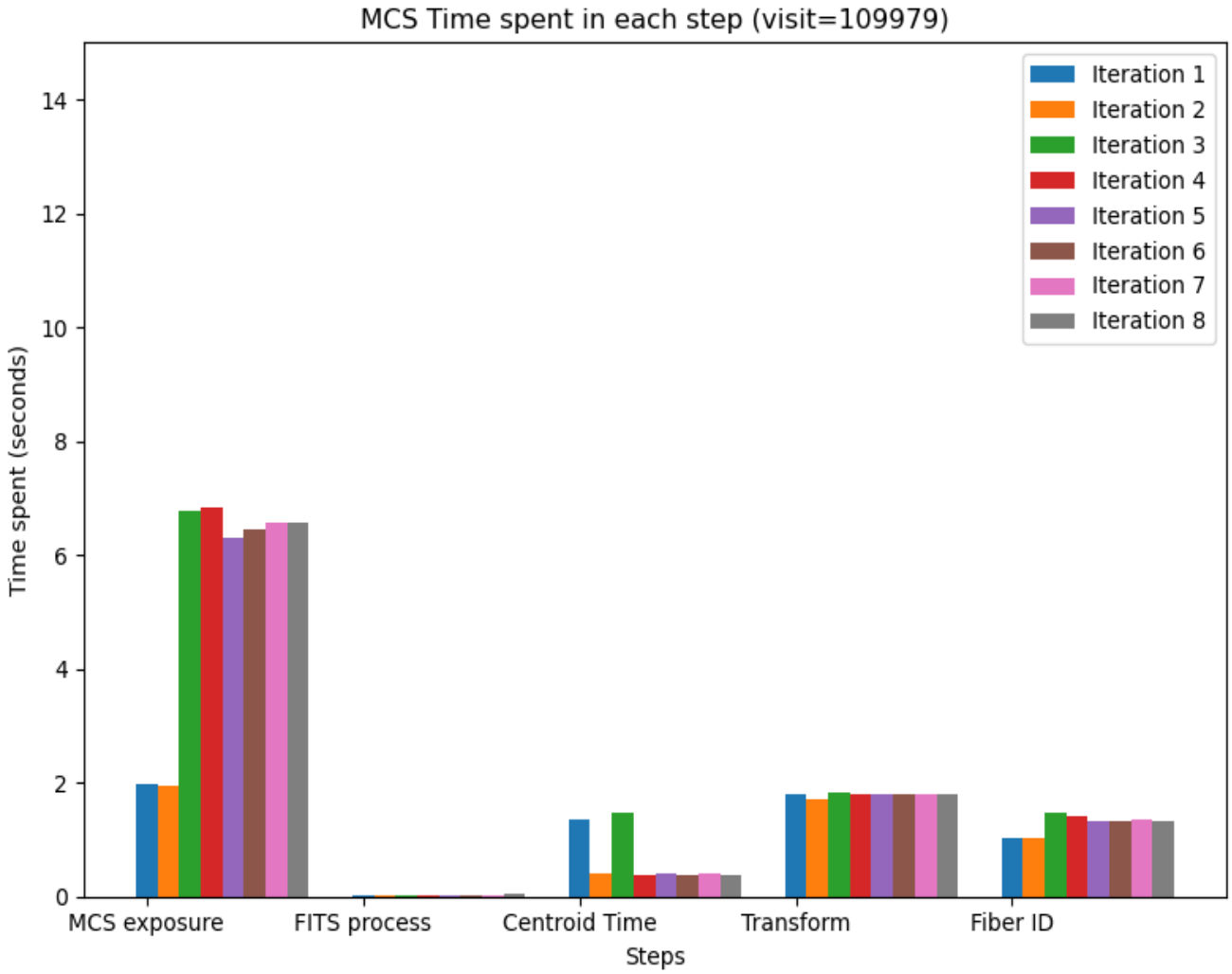

MCS Time spent in each step (visit=109861)
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

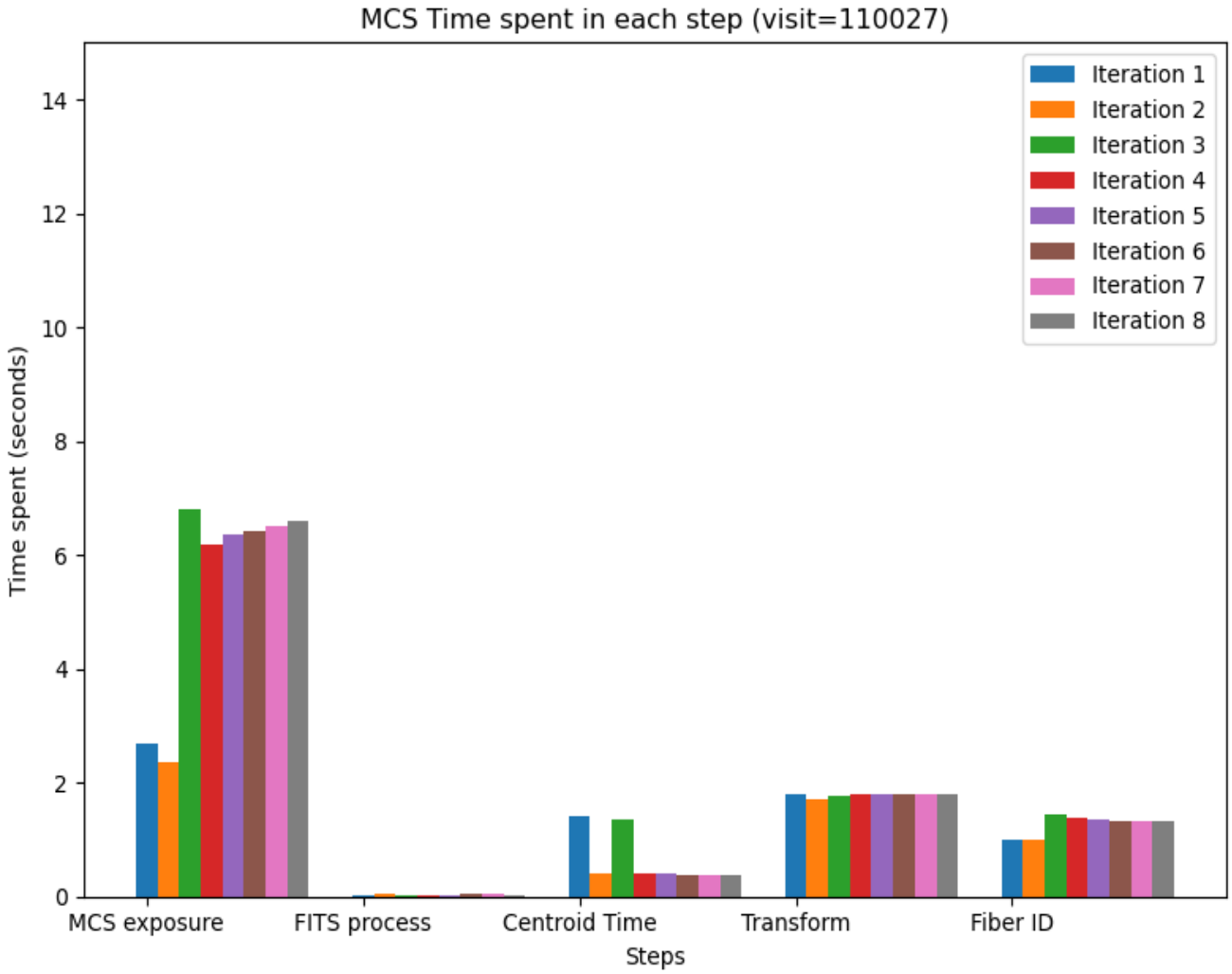

MCS Time spent in each step (visit=109886)
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

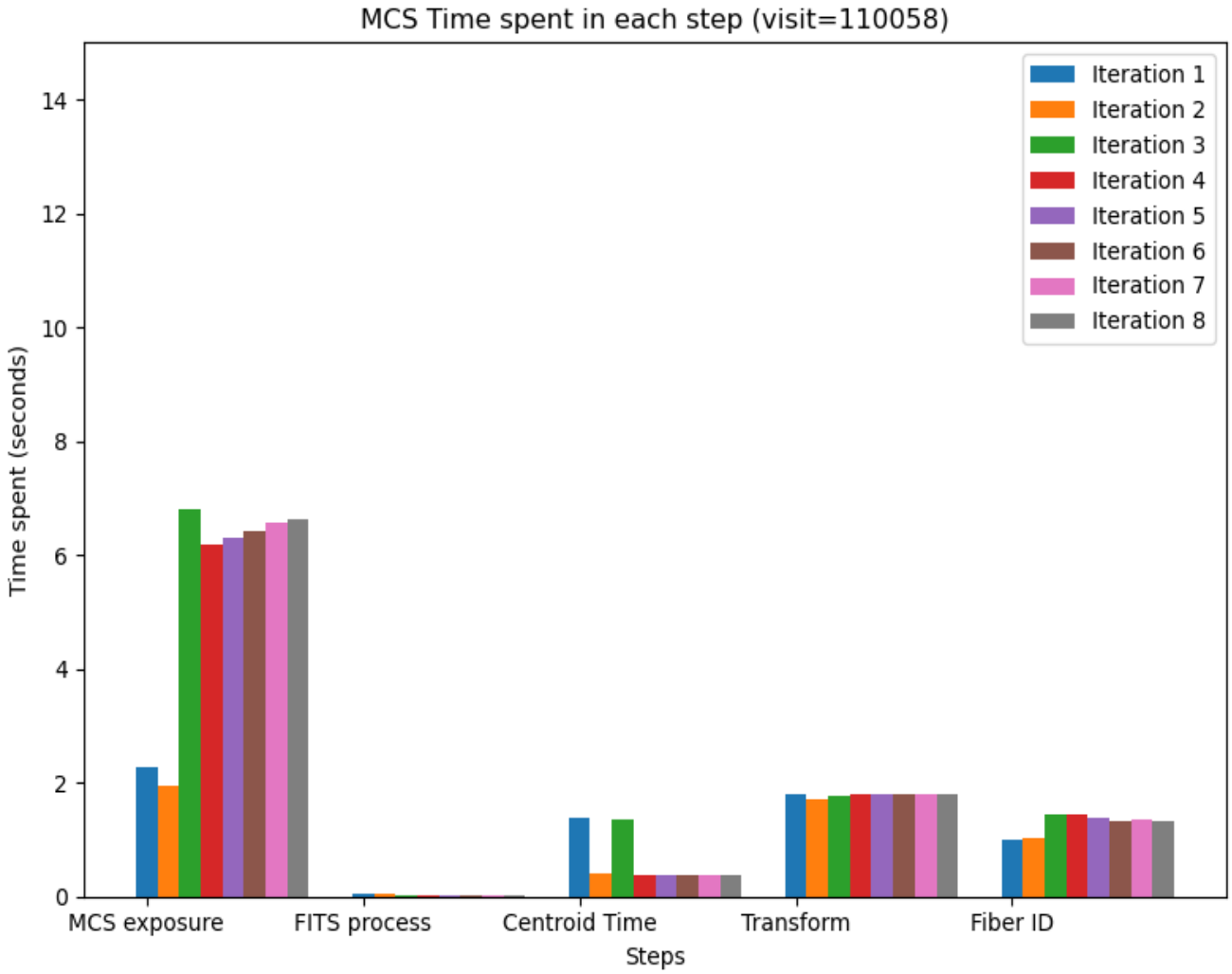

MCS Time spent in each step (visit=109898)
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

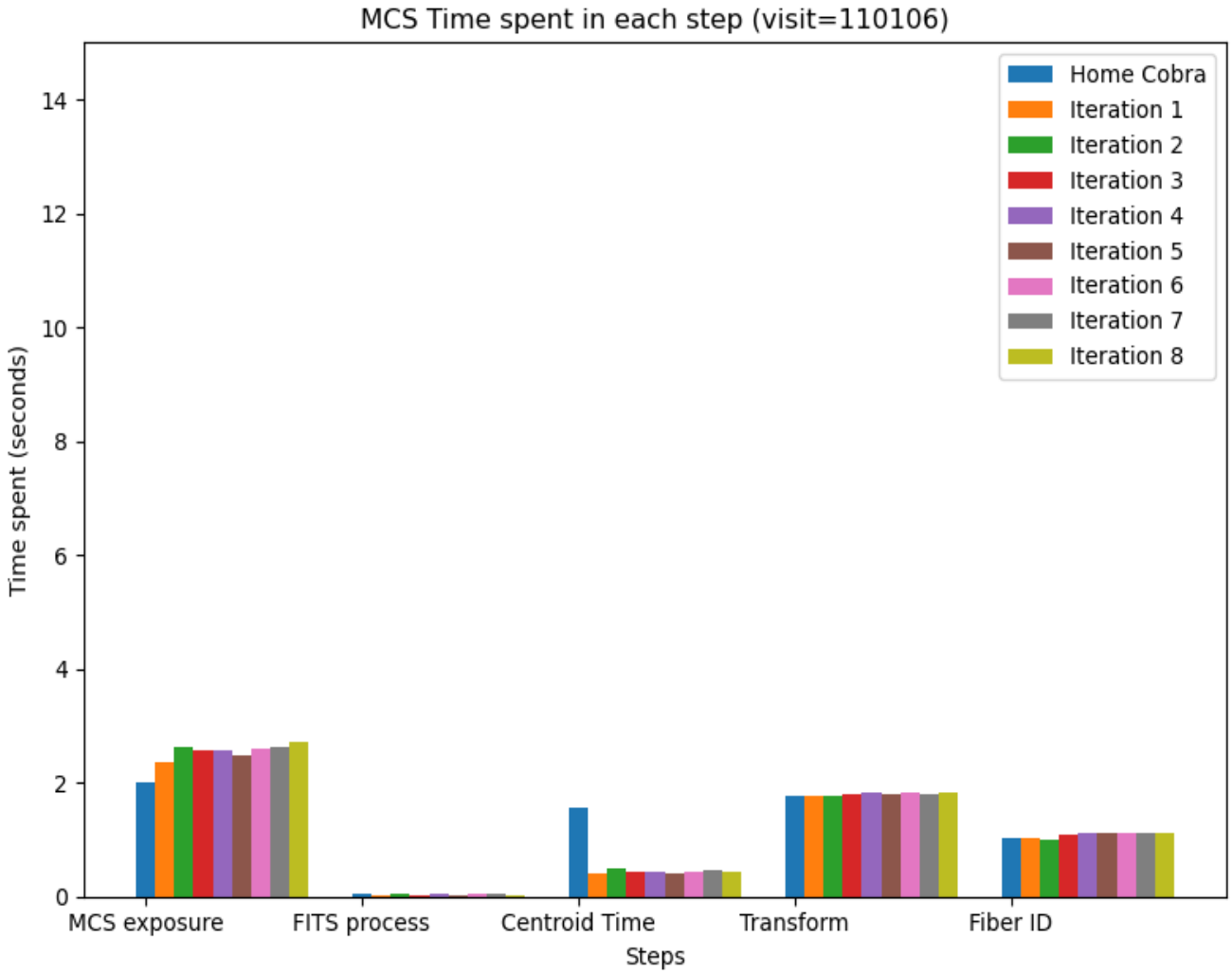

MCS Time spent in each step (visit=109958)
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

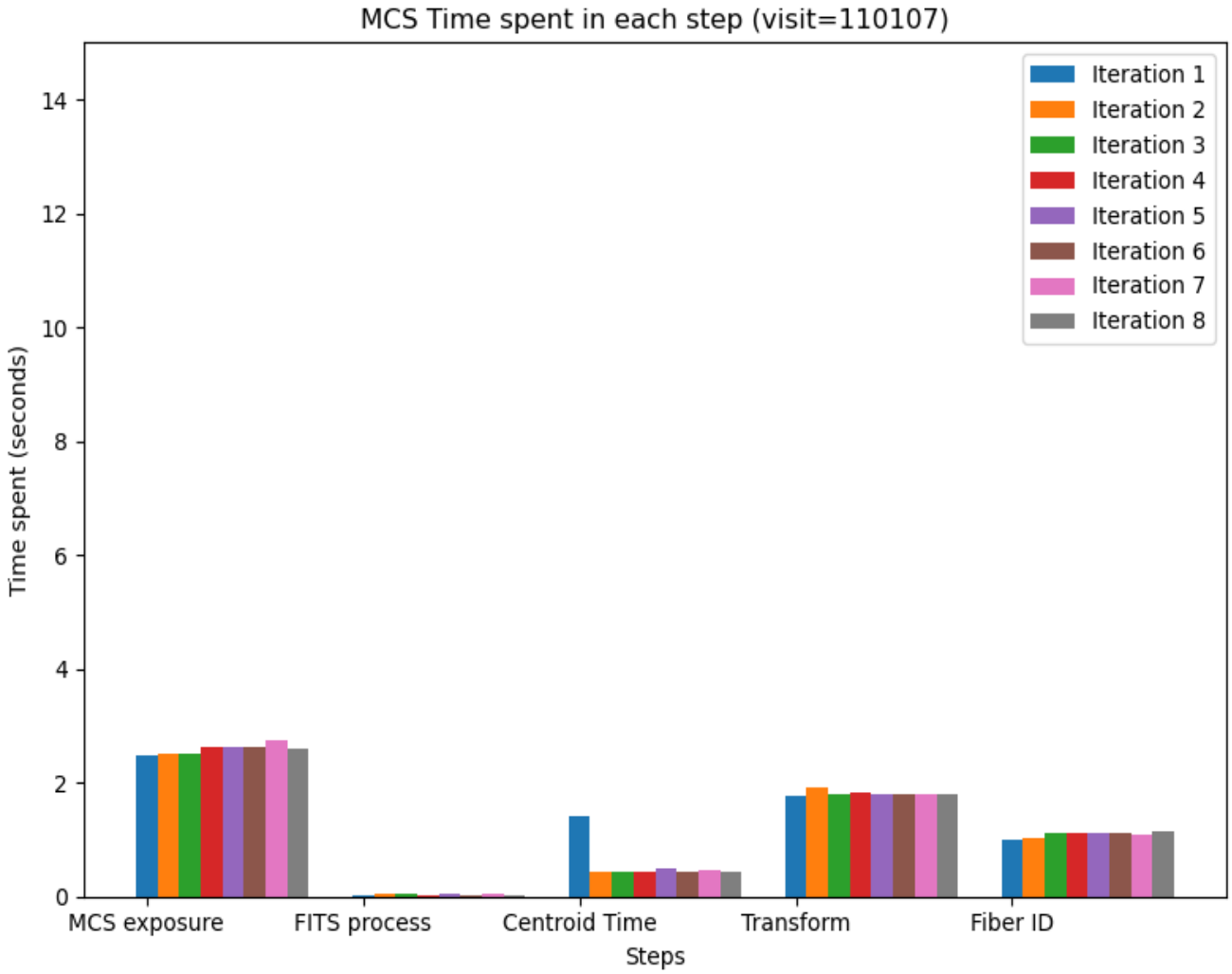

MCS Time spent in each step (visit=109974)
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

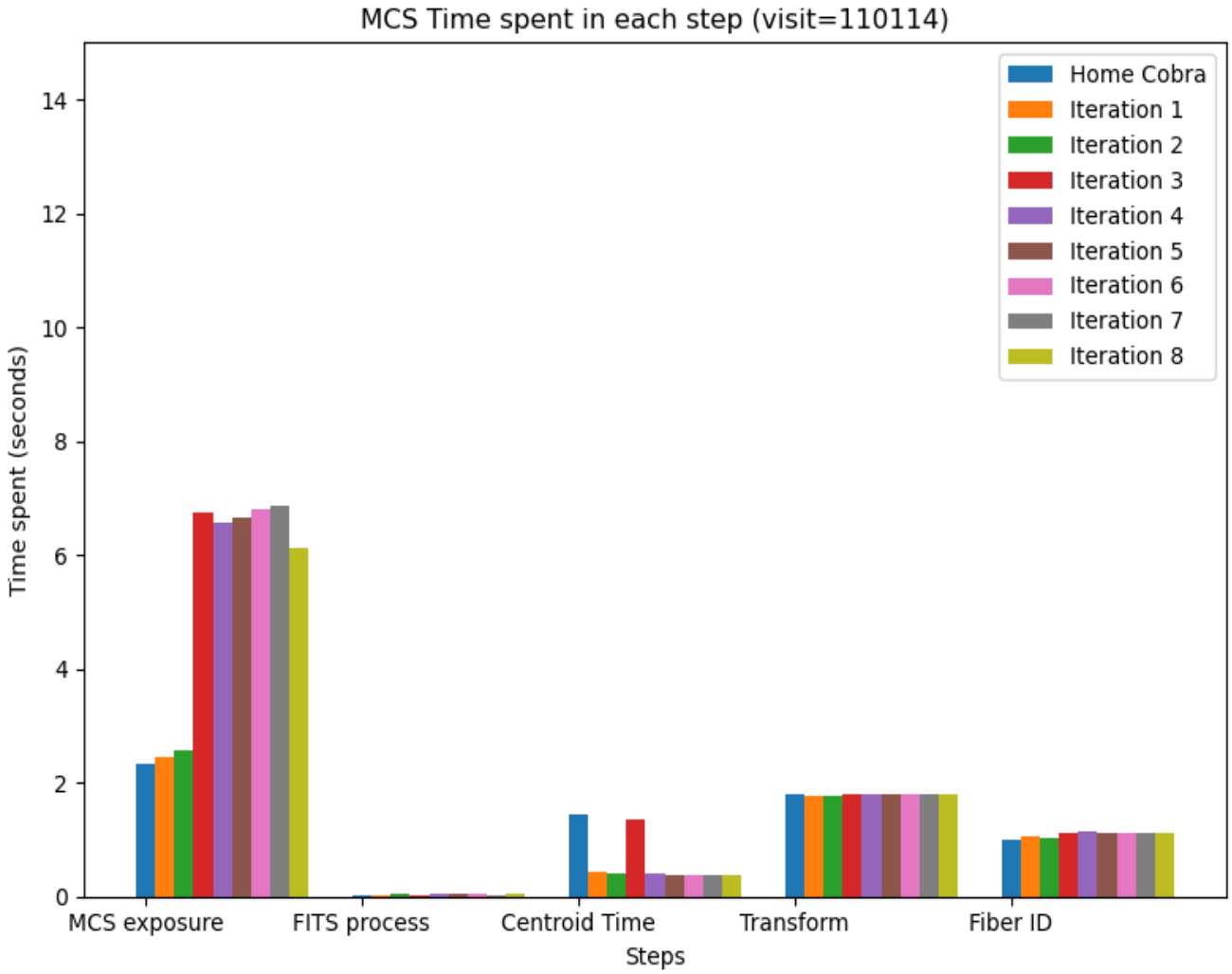

MCS Time spent in each step (visit=109979)
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

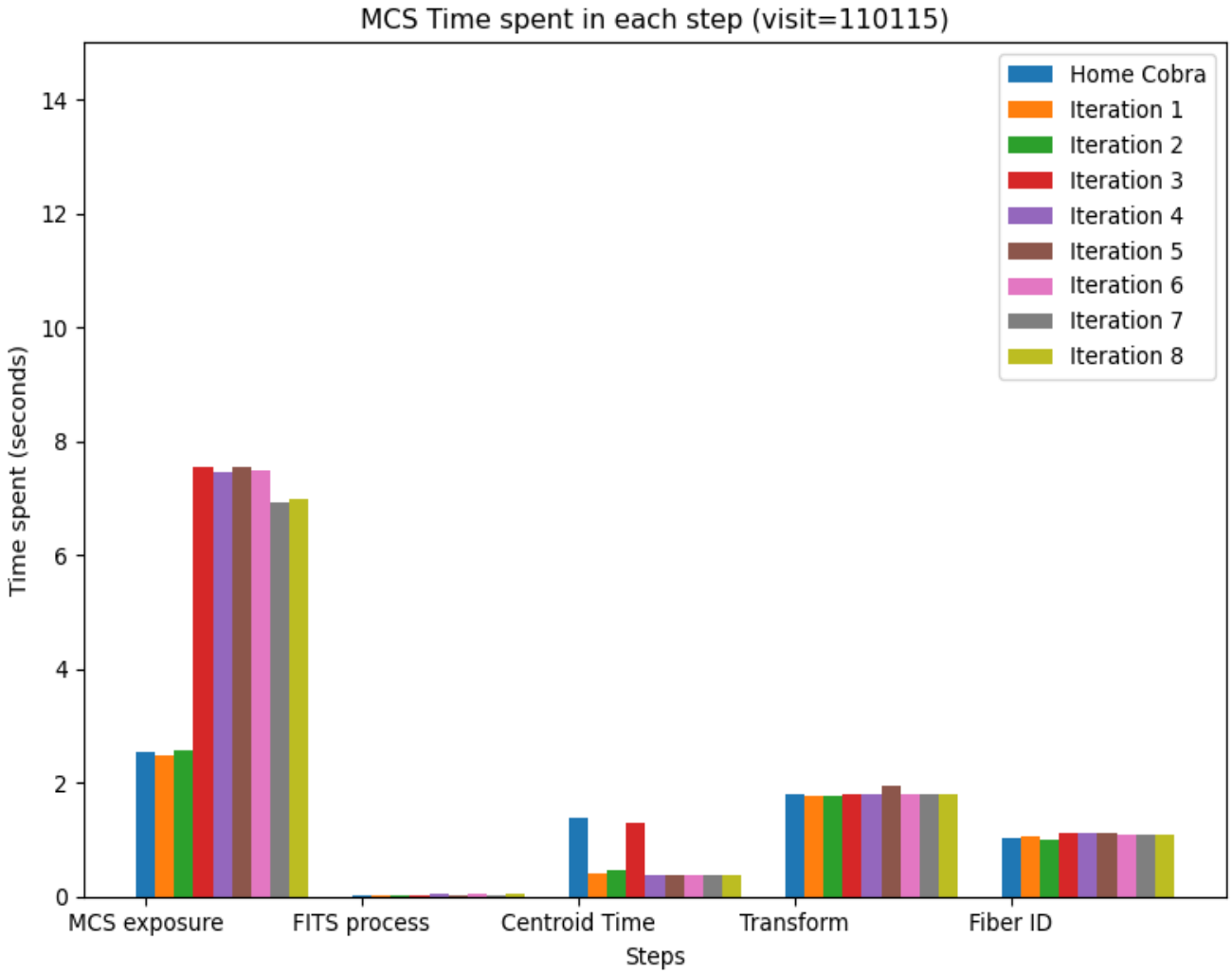

MCS Time spent in each step (visit=110027)
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

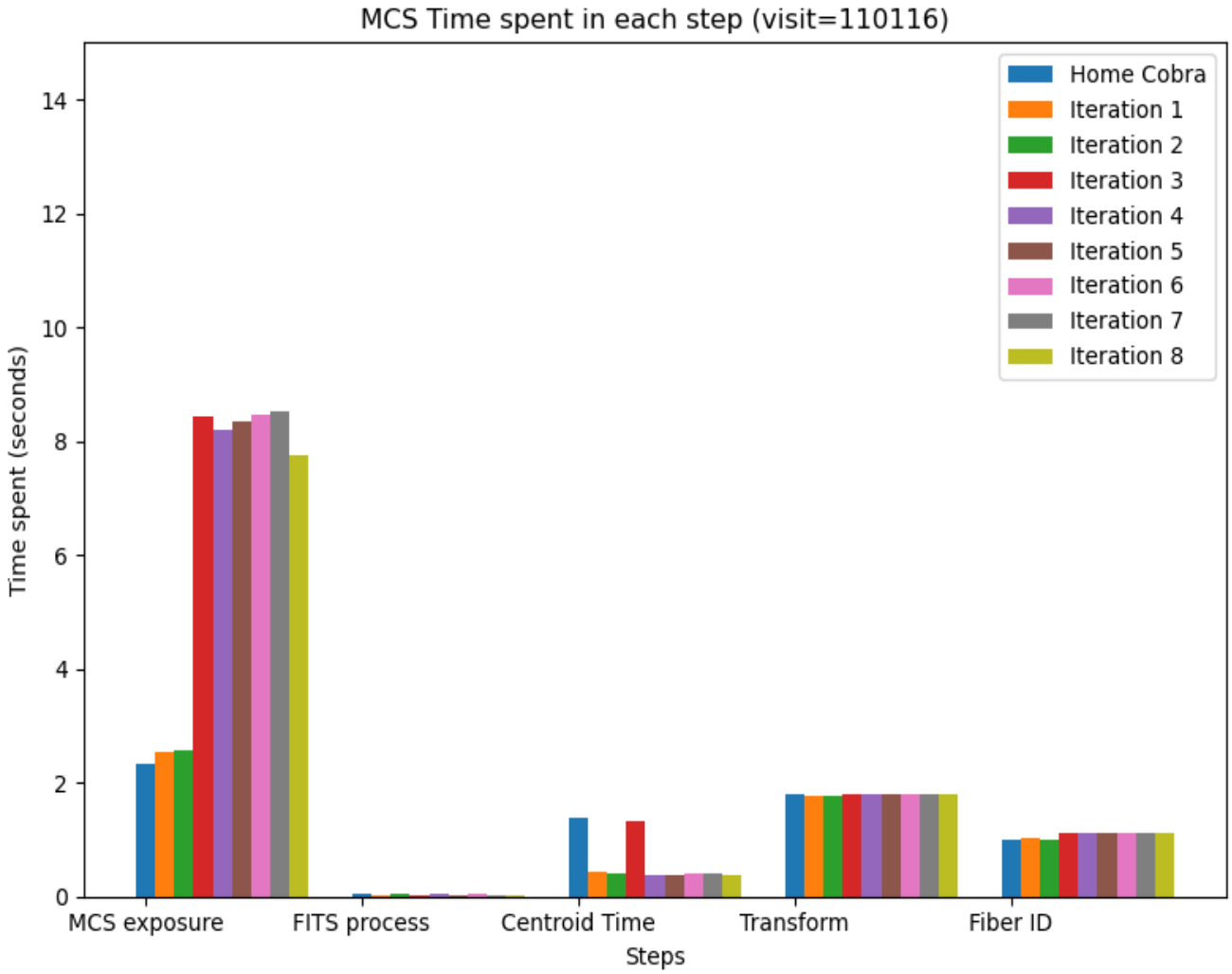

MCS Time spent in each step (visit=110058)
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

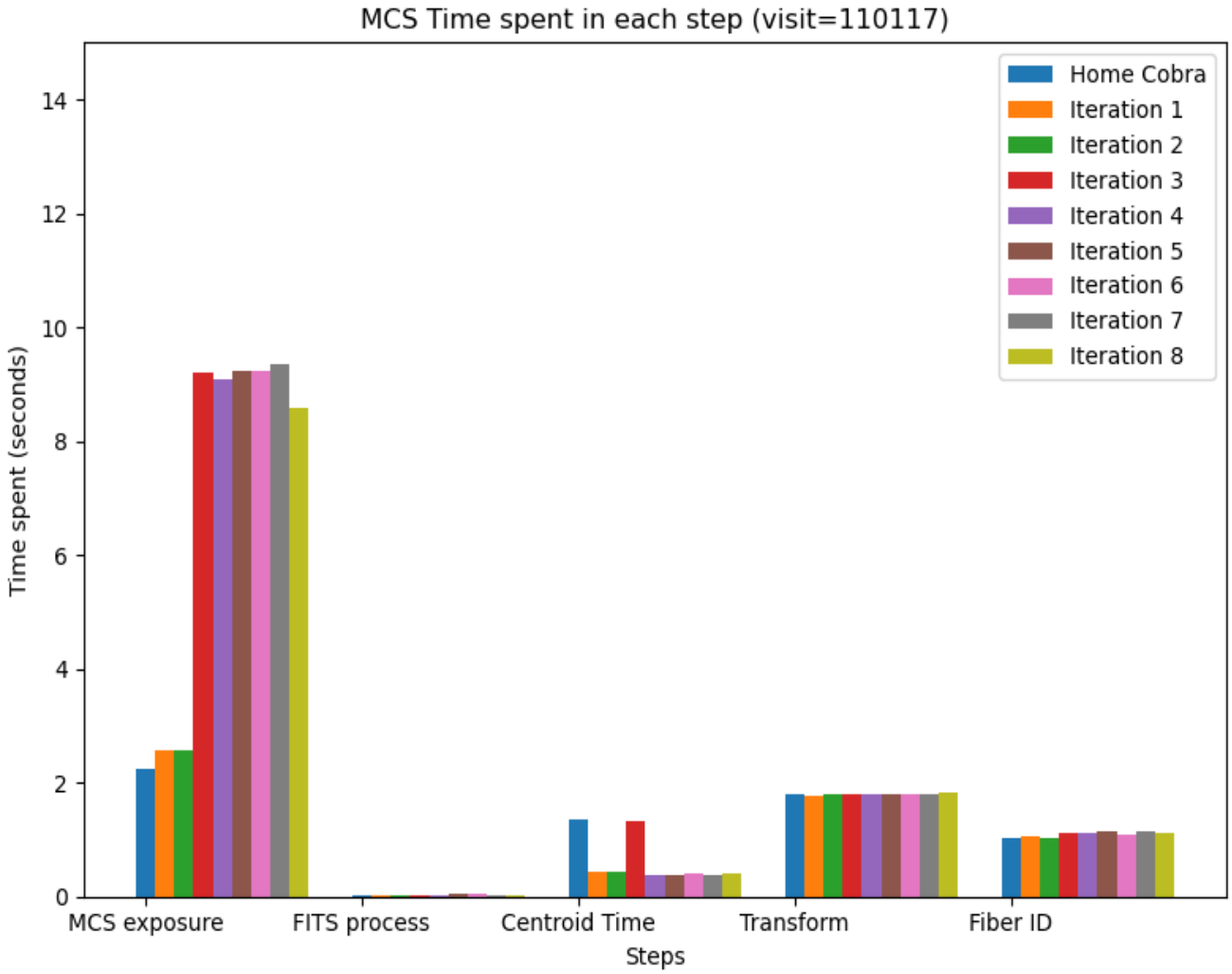

MCS Time spent in each step (visit=110106)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

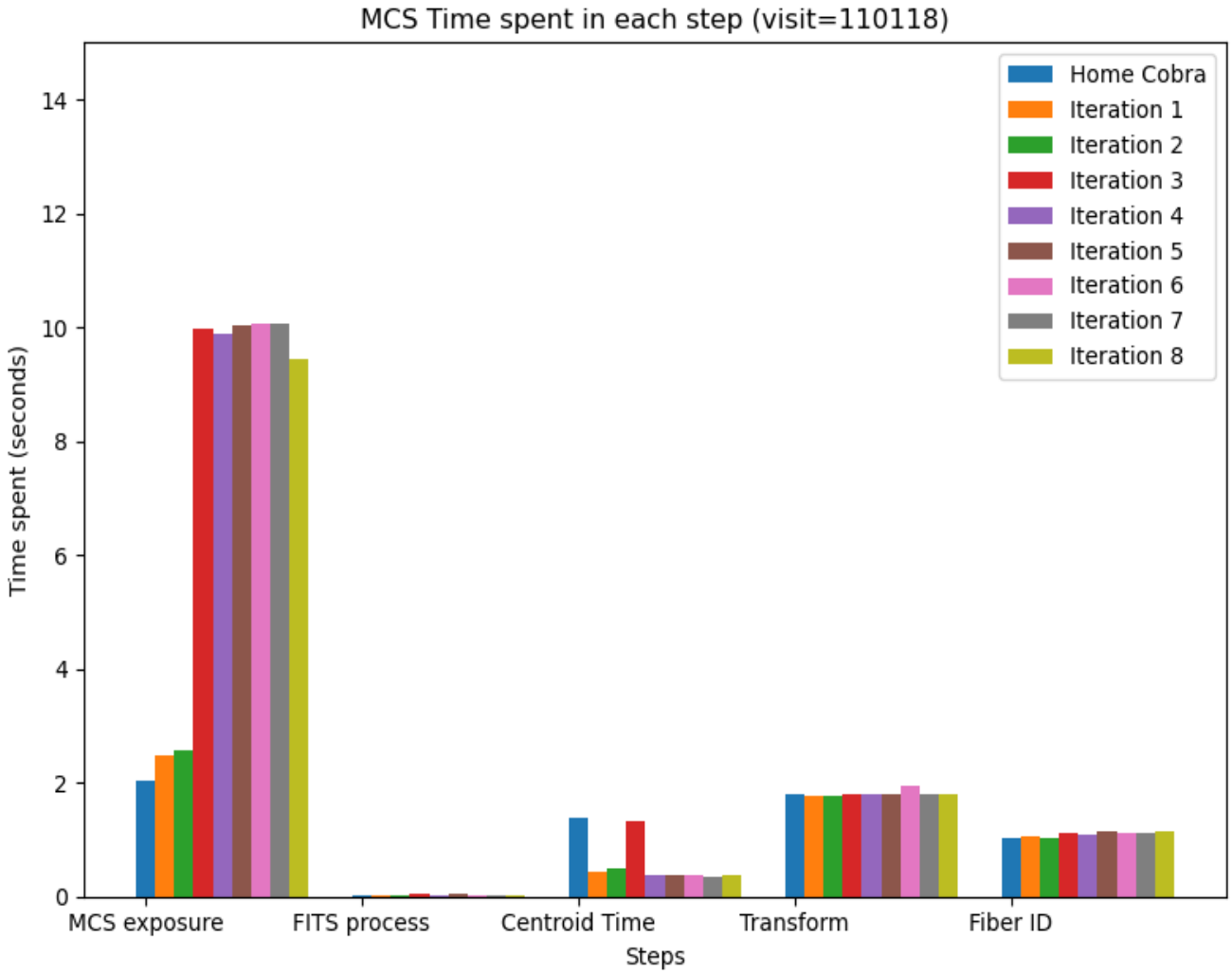

MCS Time spent in each step (visit=110107)
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

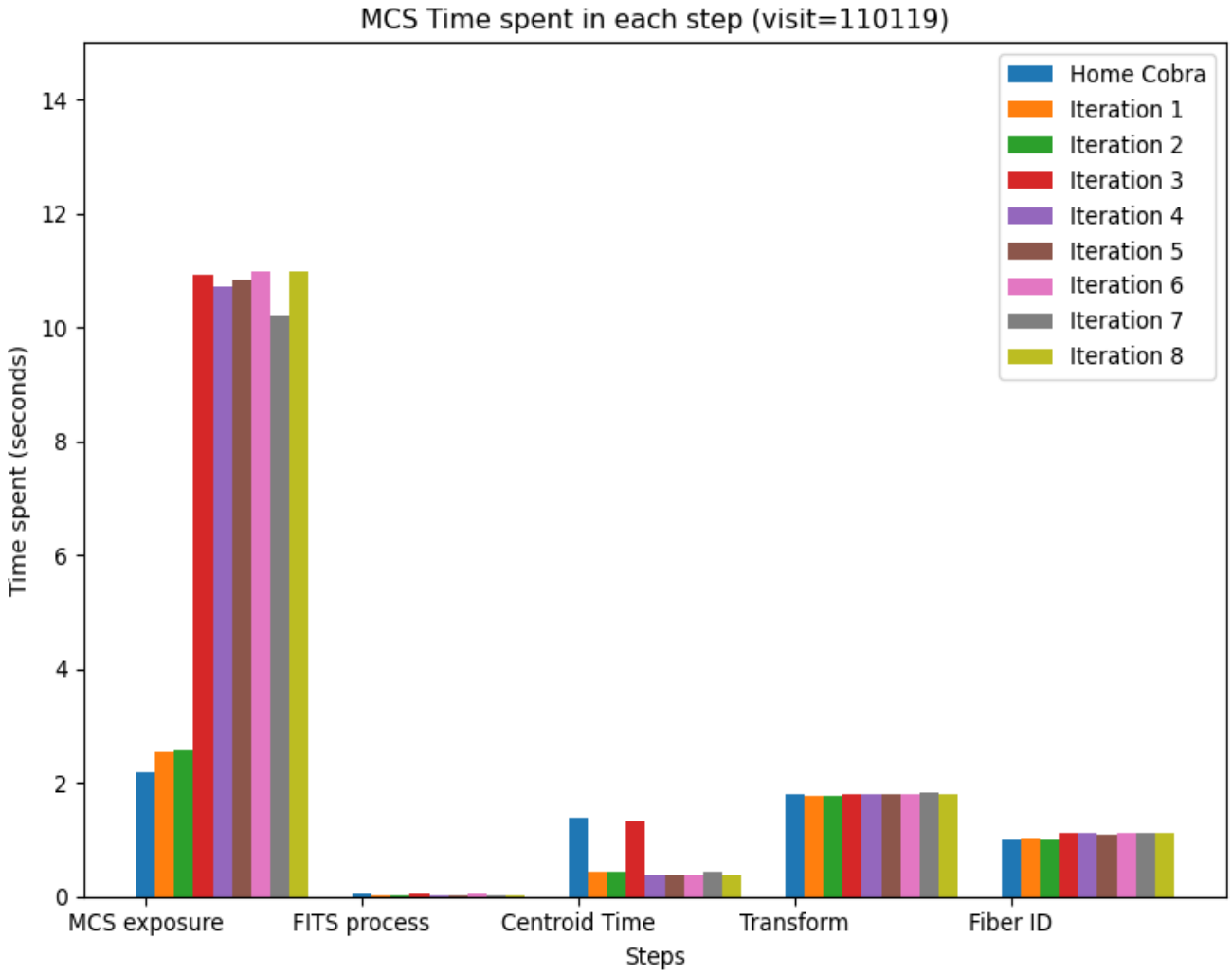

MCS Time spent in each step (visit=110114)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

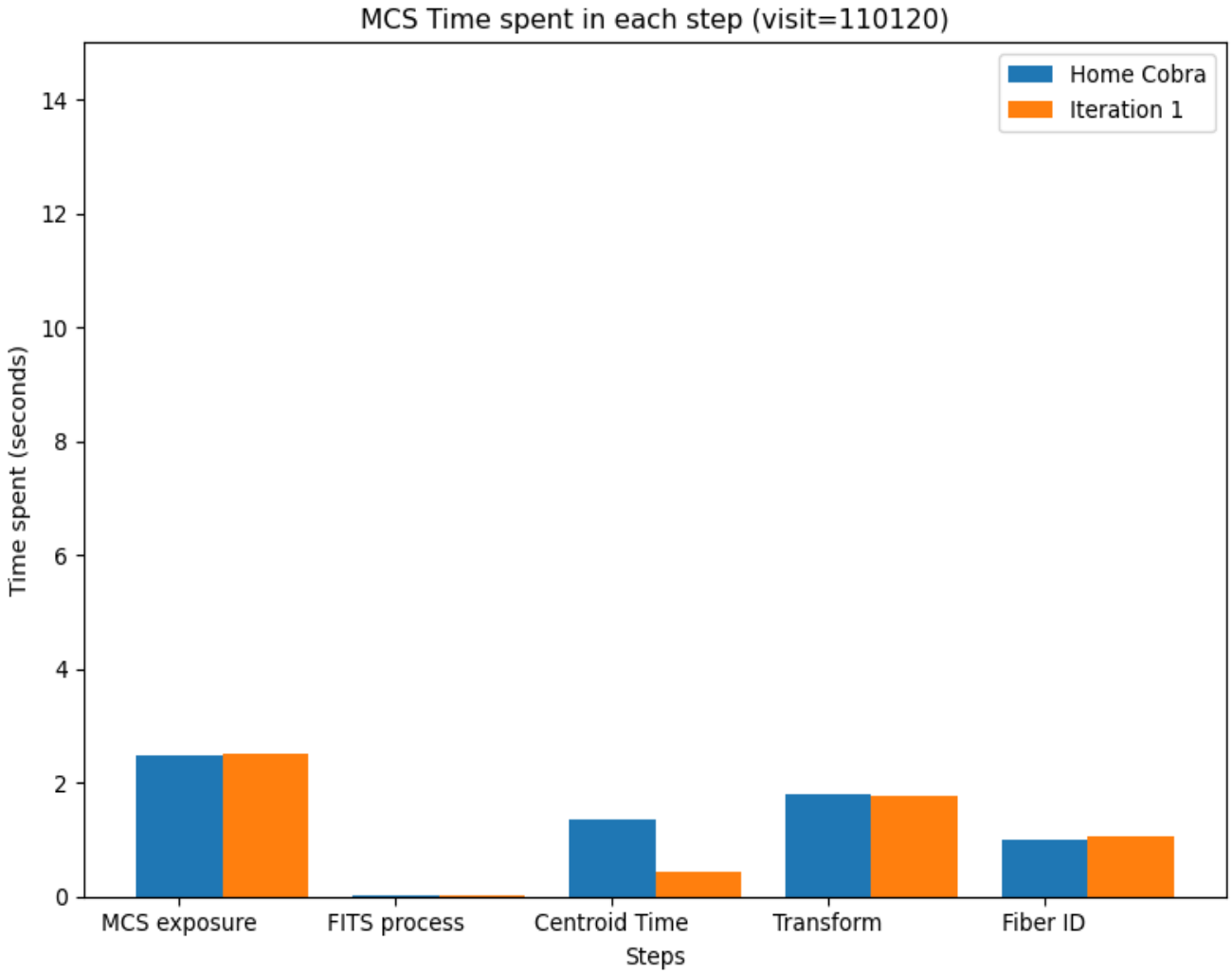

MCS Time spent in each step (visit=110115)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

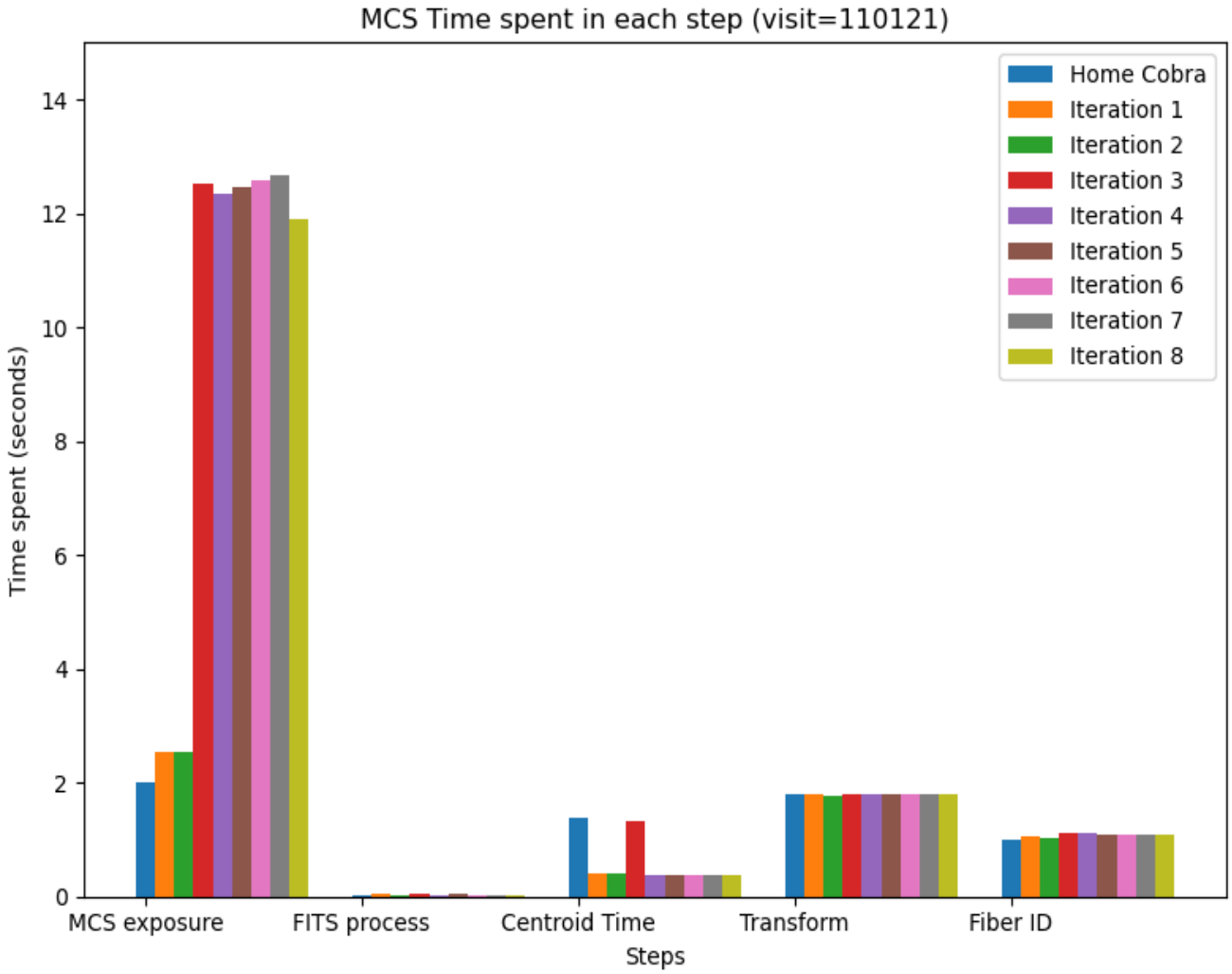

MCS Time spent in each step (visit=110116)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

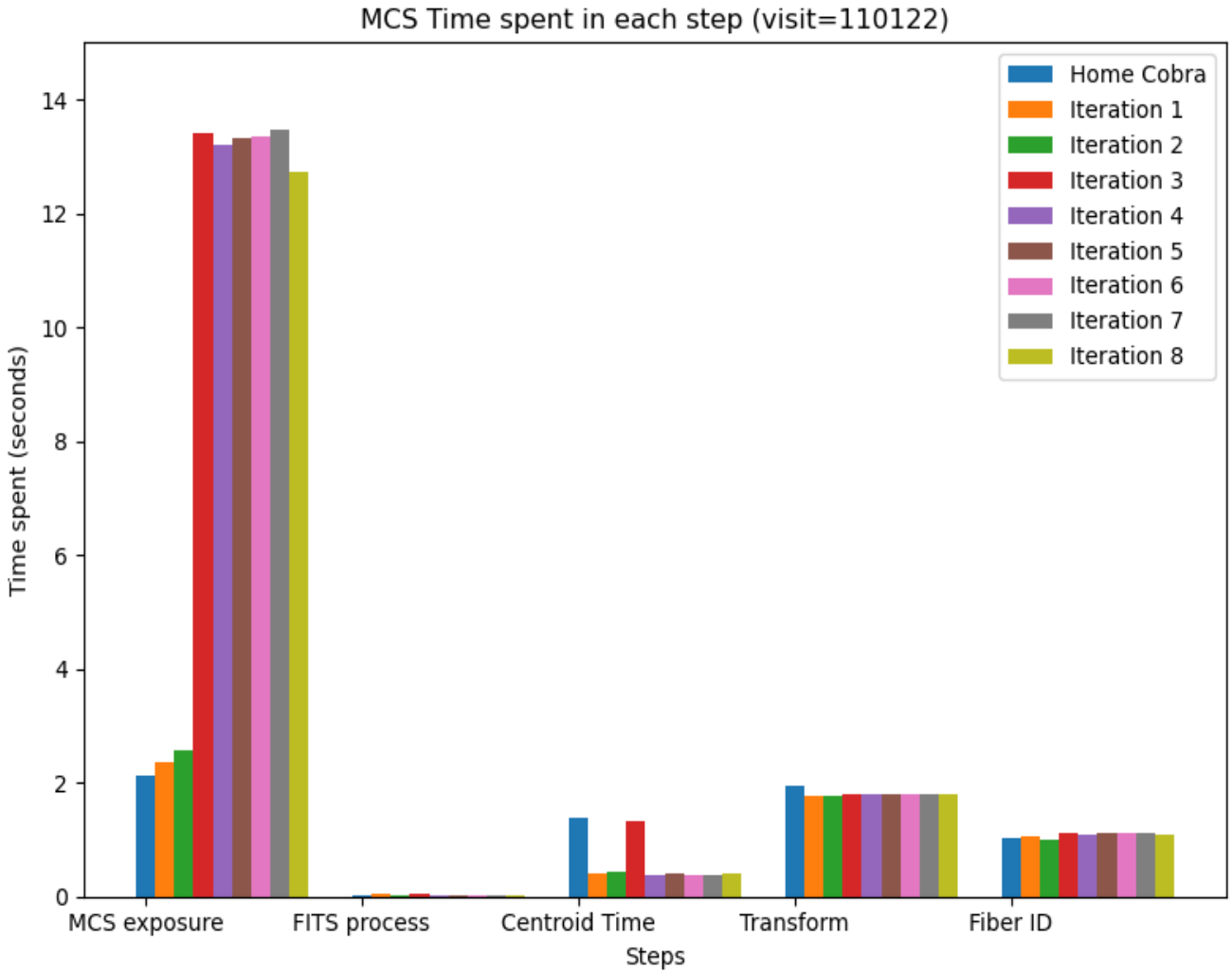

MCS Time spent in each step (visit=110117)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

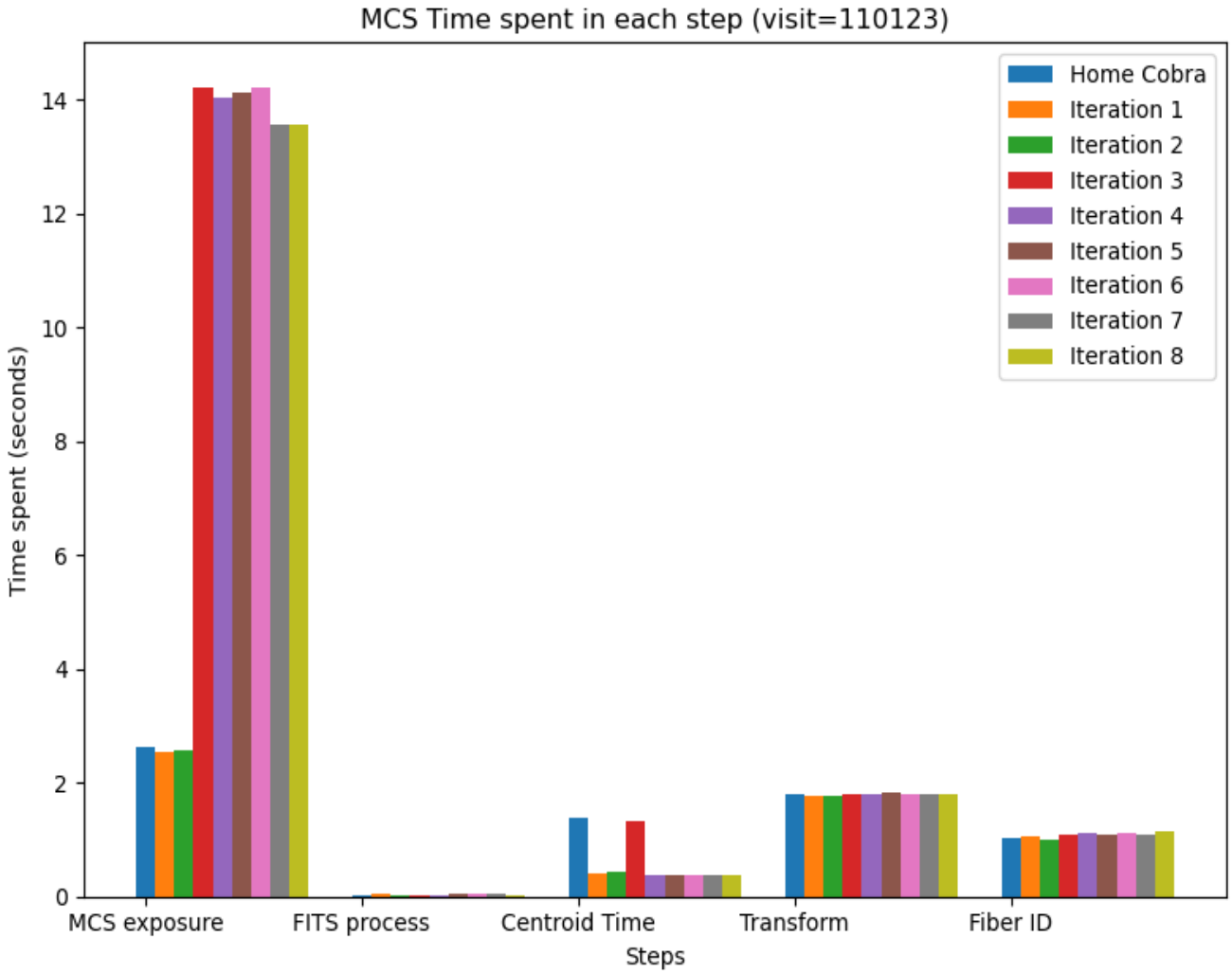

MCS Time spent in each step (visit=110118)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

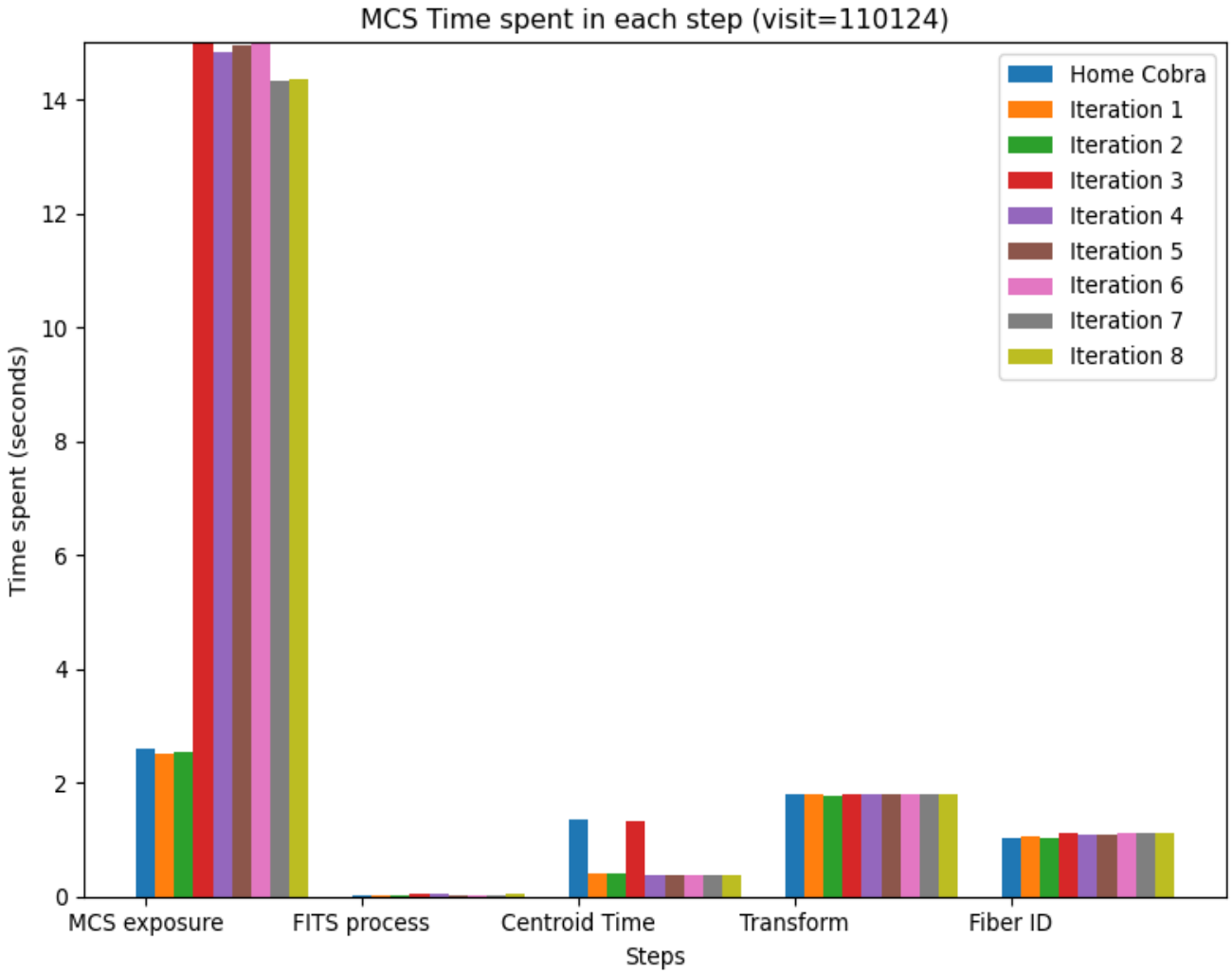

MCS Time spent in each step (visit=110119)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

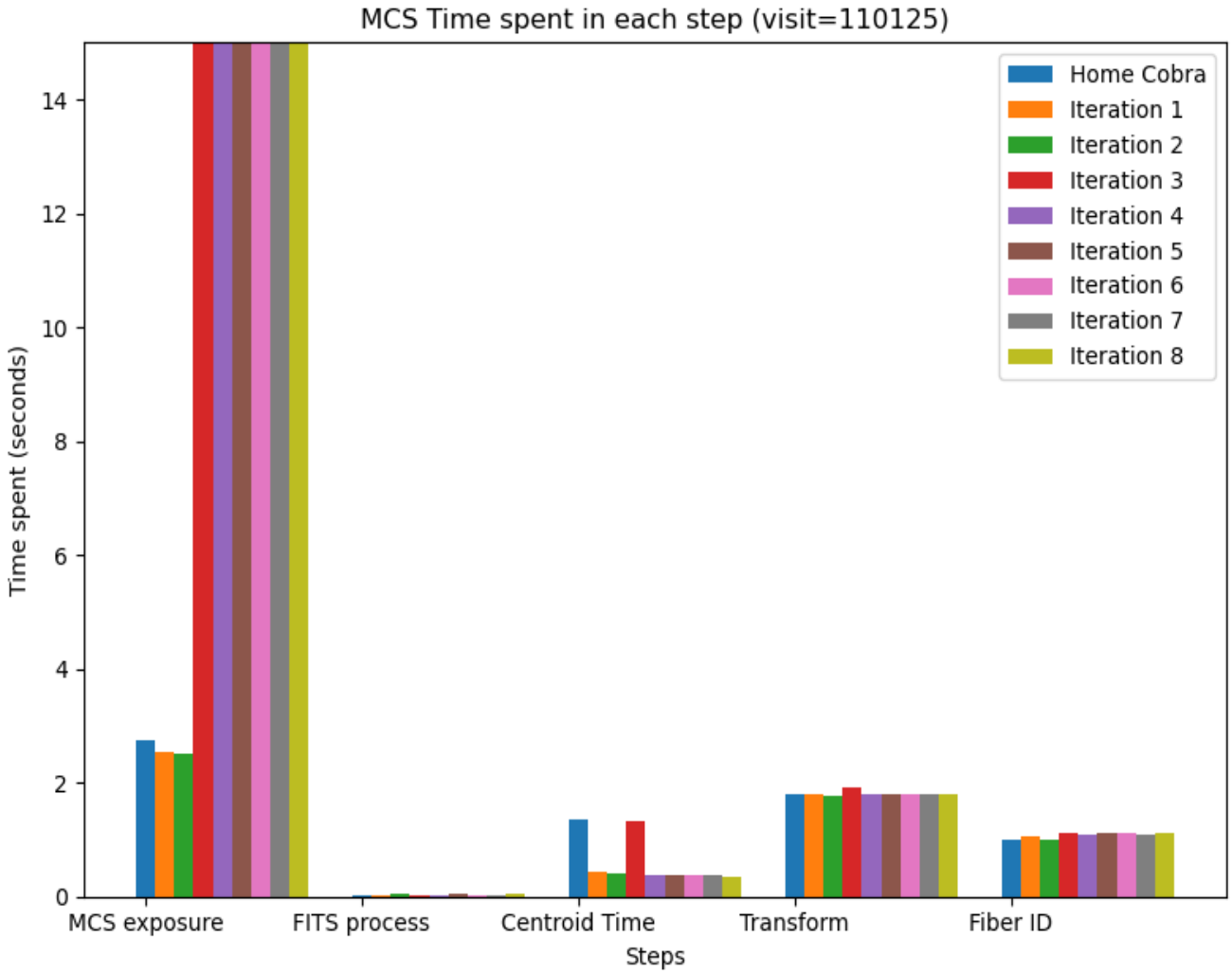

MCS Time spent in each step (visit=110120)
Home Cobra
Iteration 1
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

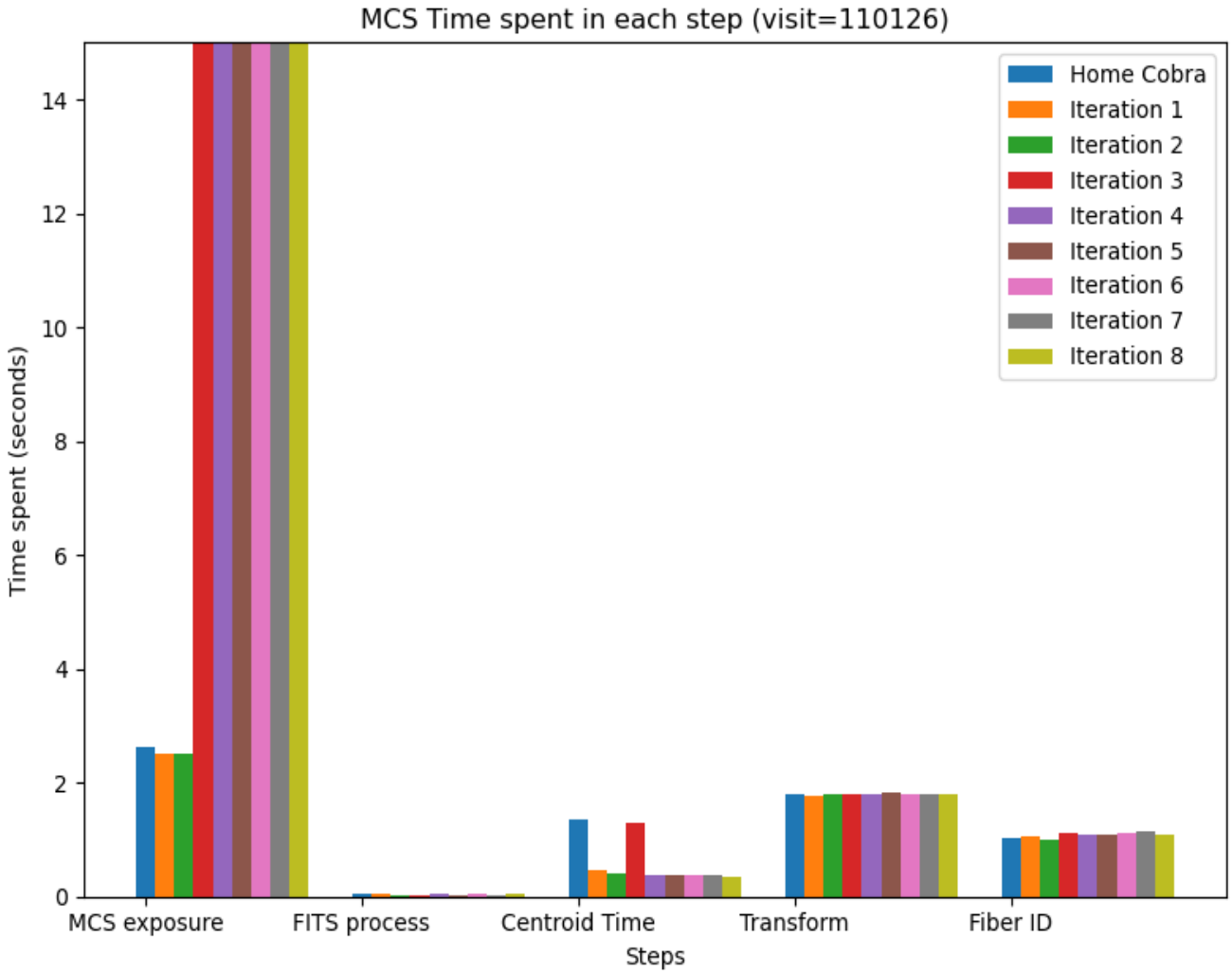

MCS Time spent in each step (visit=110121)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

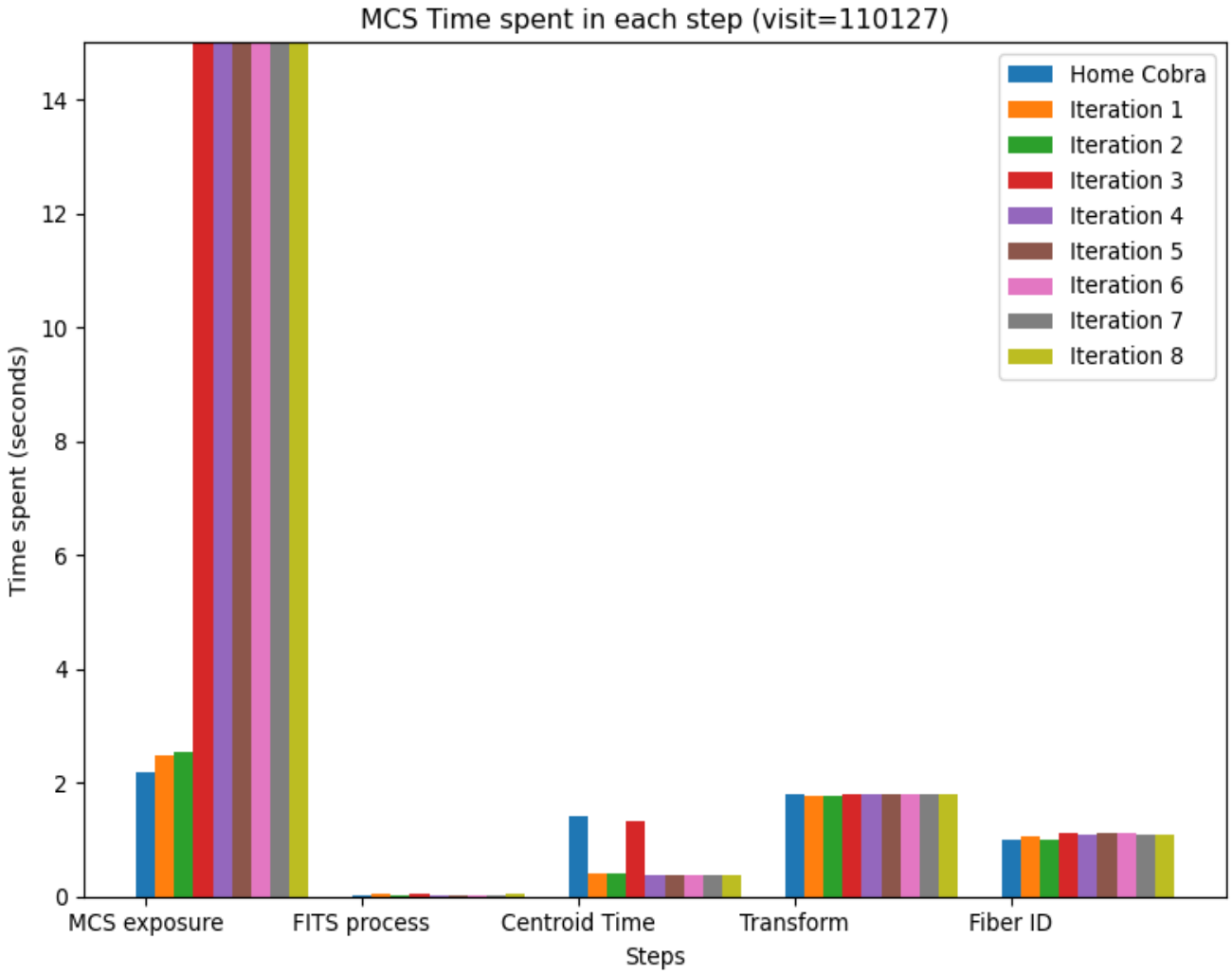

MCS Time spent in each step (visit=110122)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

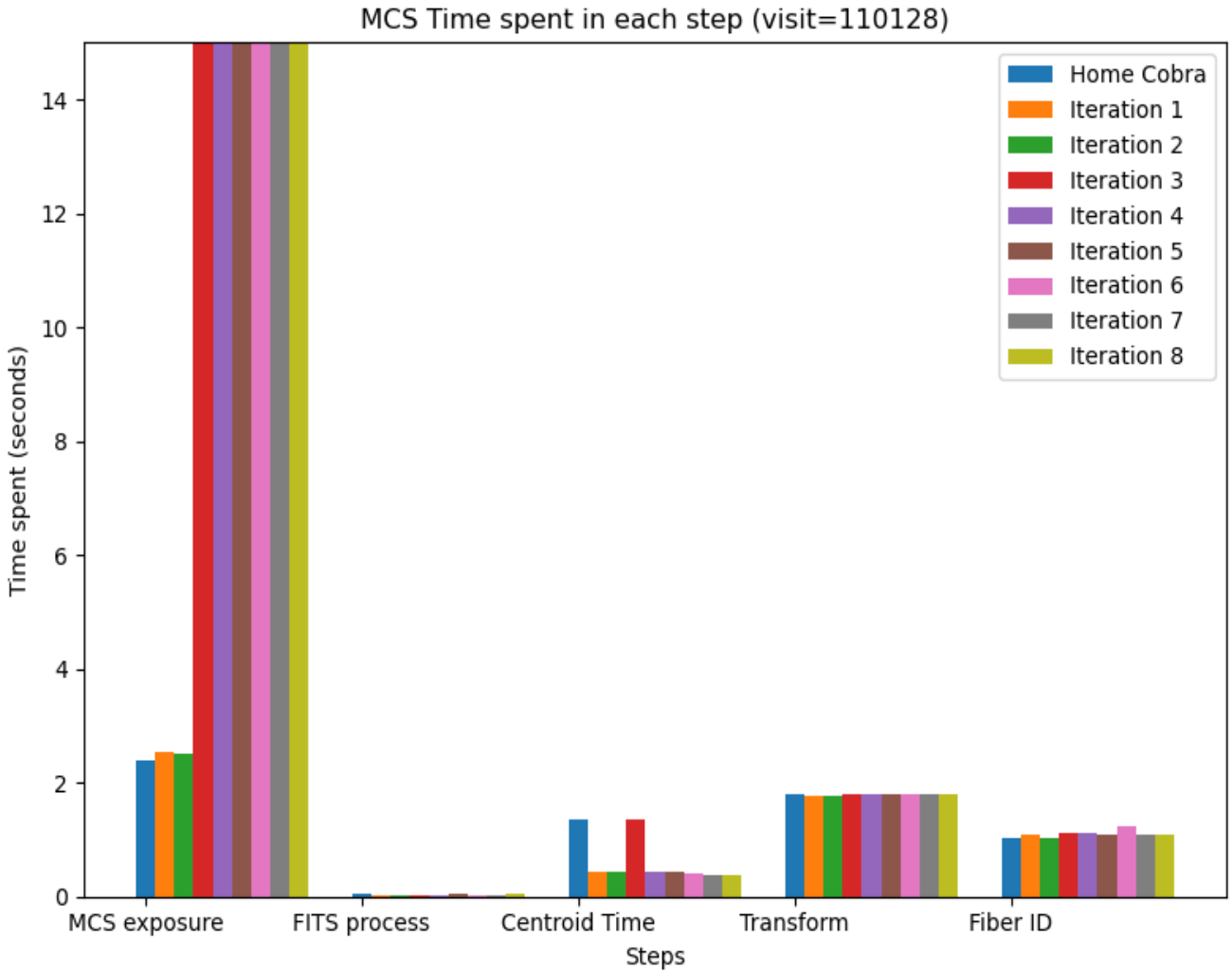

MCS Time spent in each step (visit=110123)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

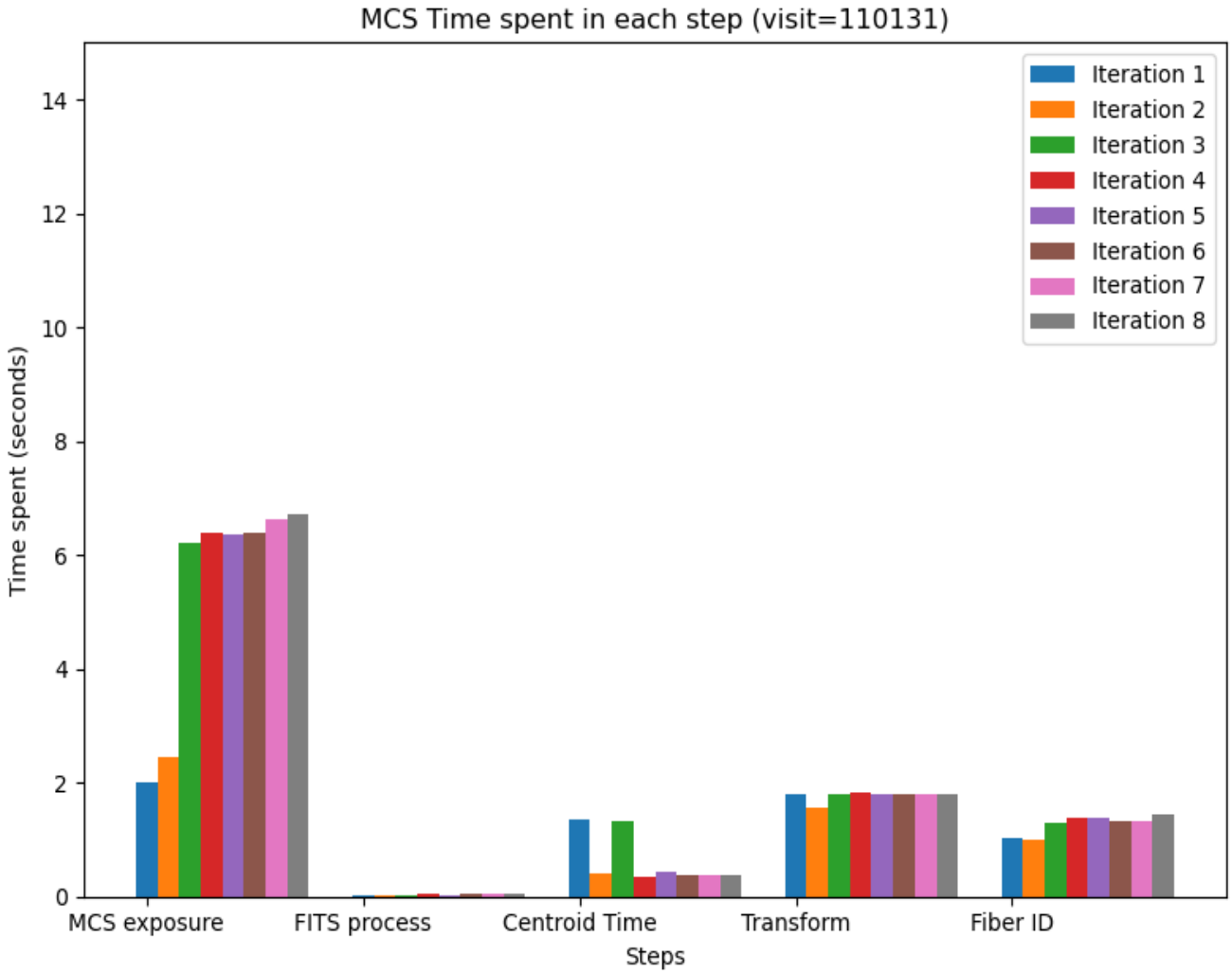

MCS Time spent in each step (visit=110124)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

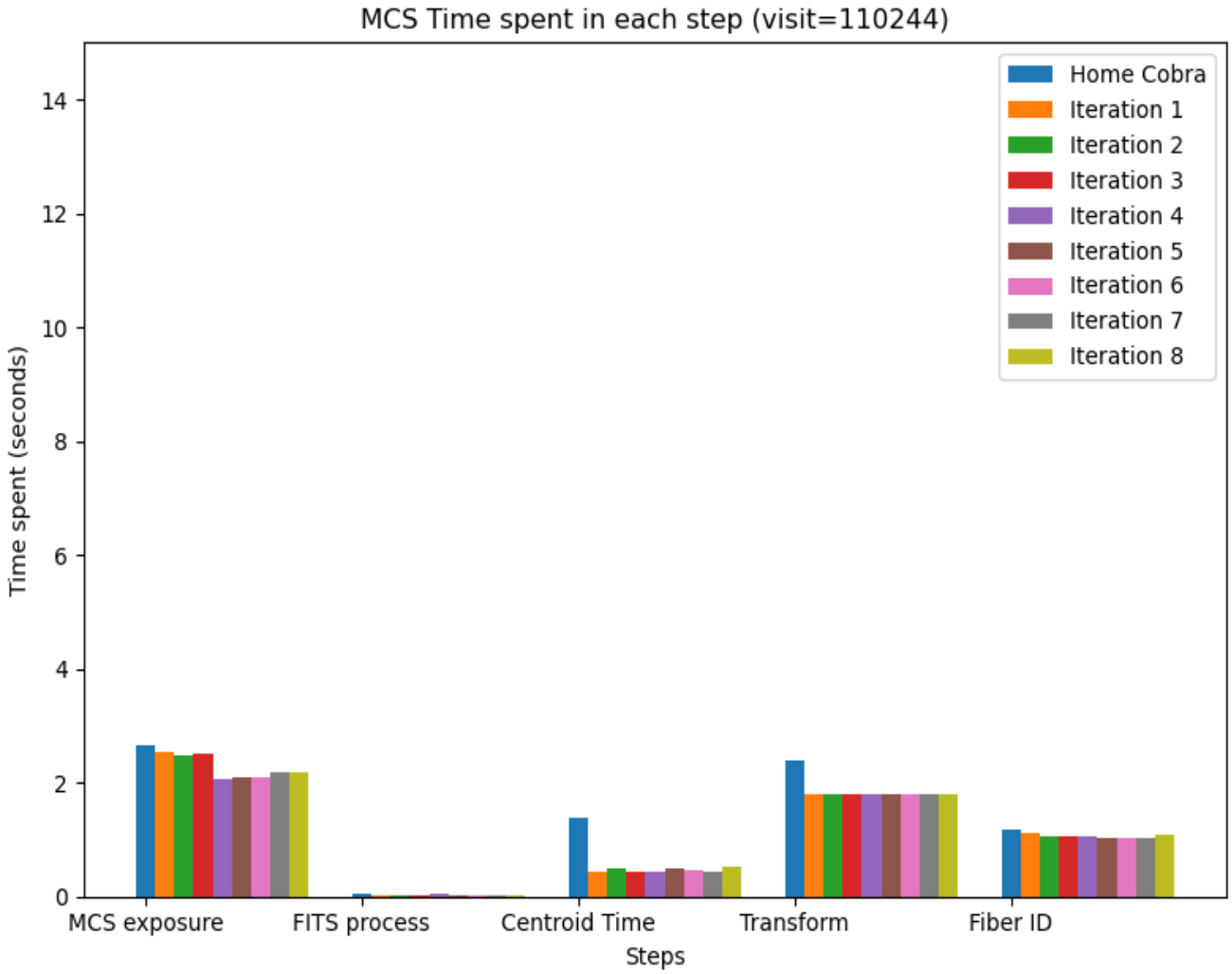

MCS Time spent in each step (visit=110125)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

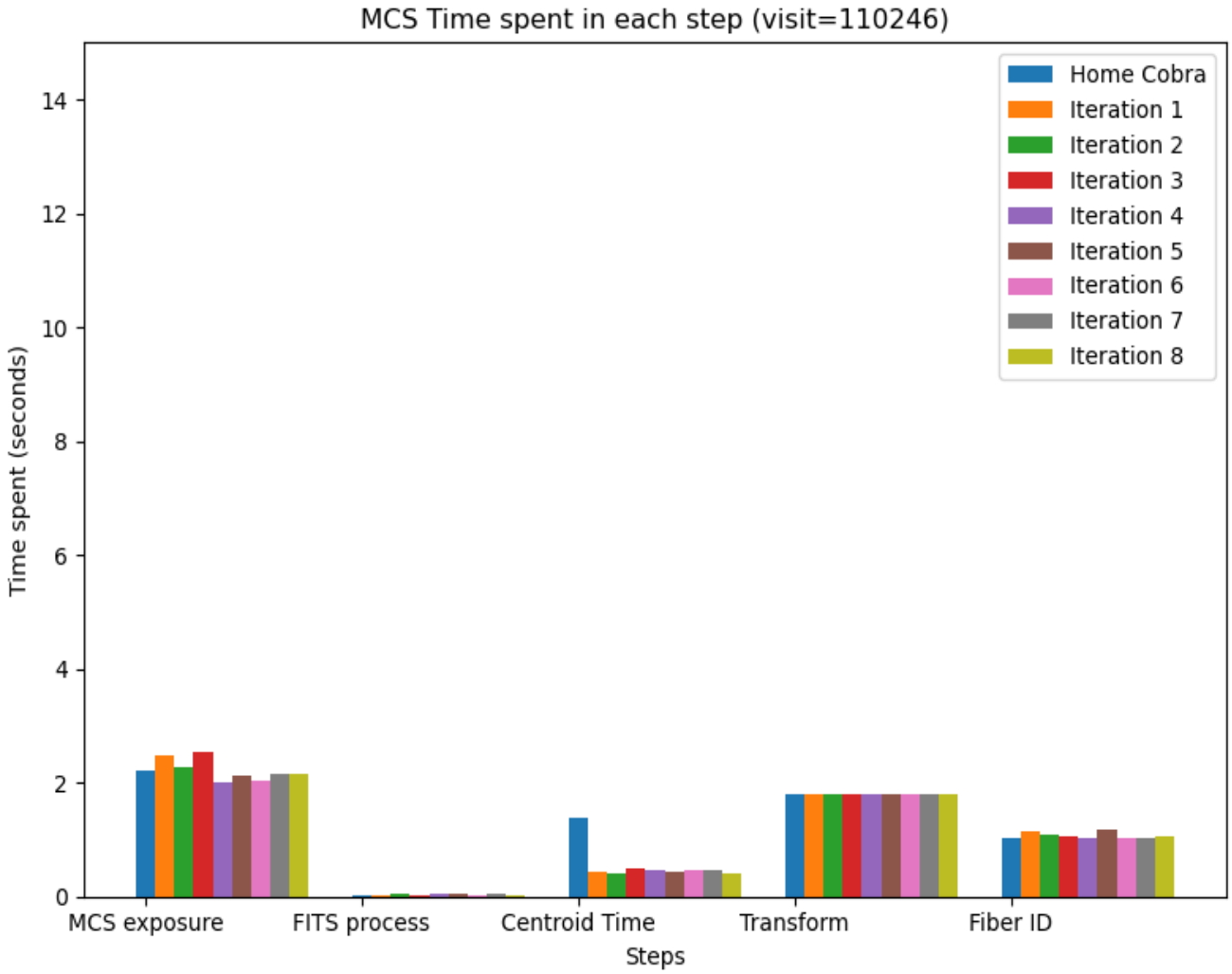

MCS Time spent in each step (visit=110126)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

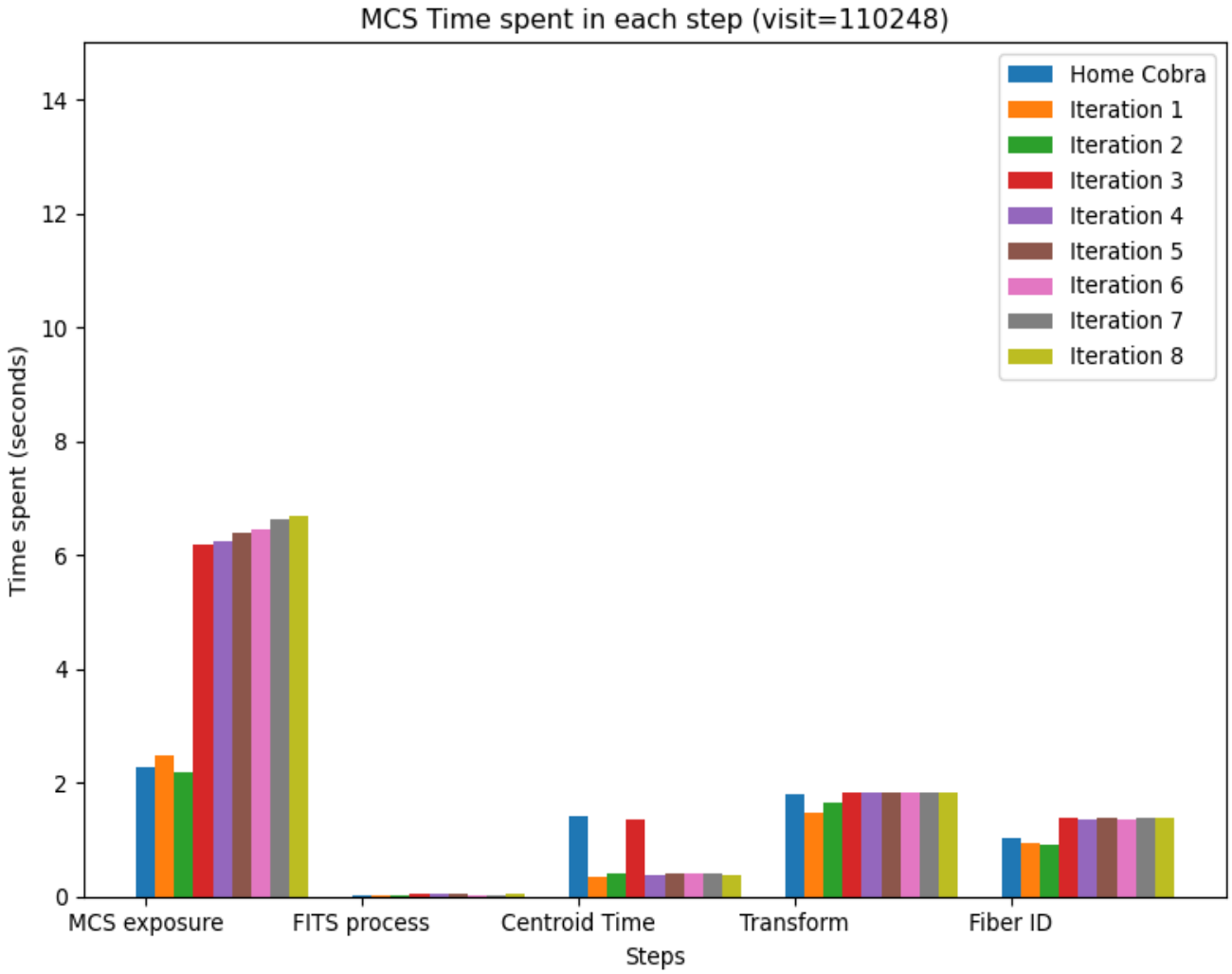

MCS Time spent in each step (visit=110127)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

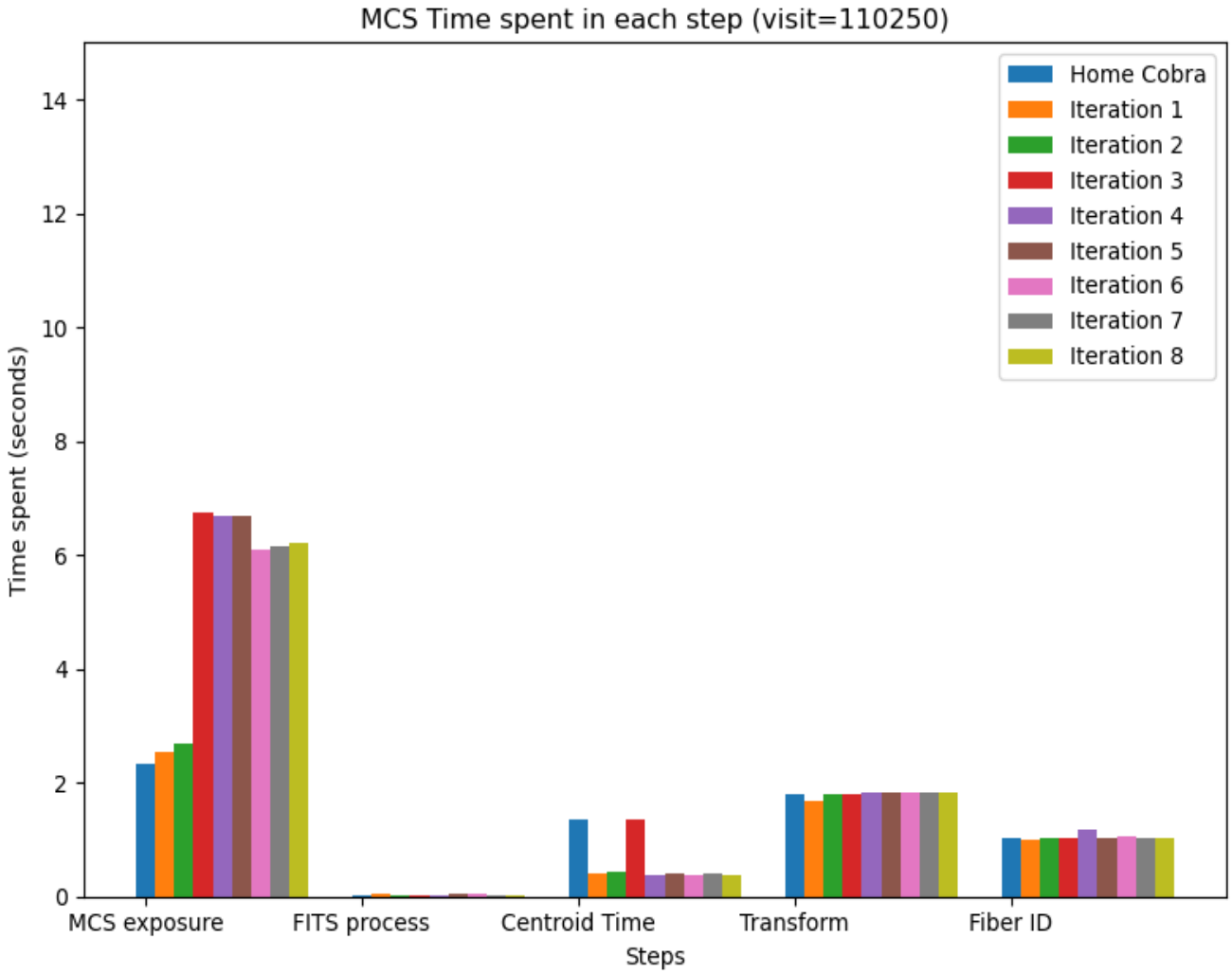

MCS Time spent in each step (visit=110128)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

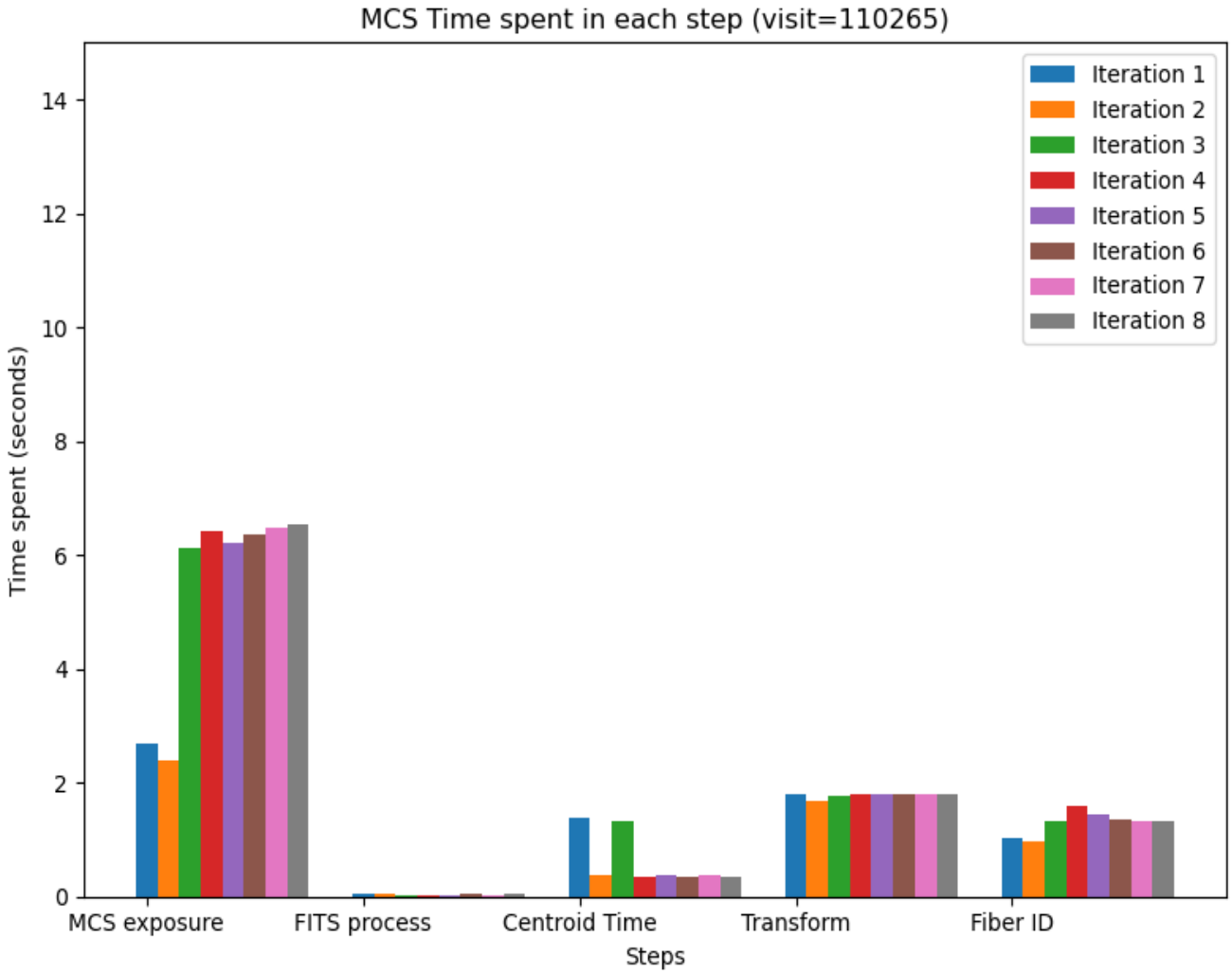

MCS Time spent in each step (visit=110131)
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

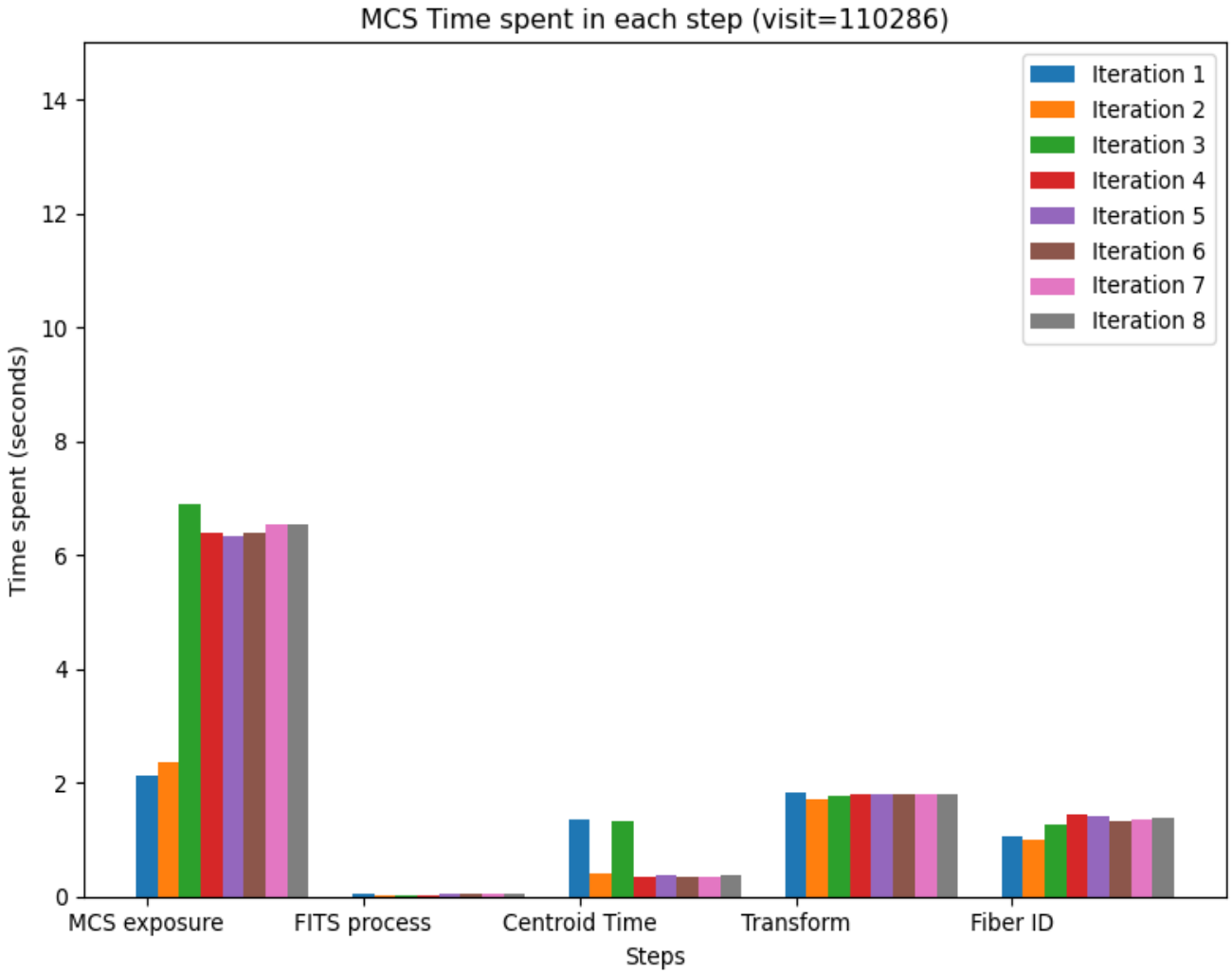

MCS Time spent in each step (visit=110244)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

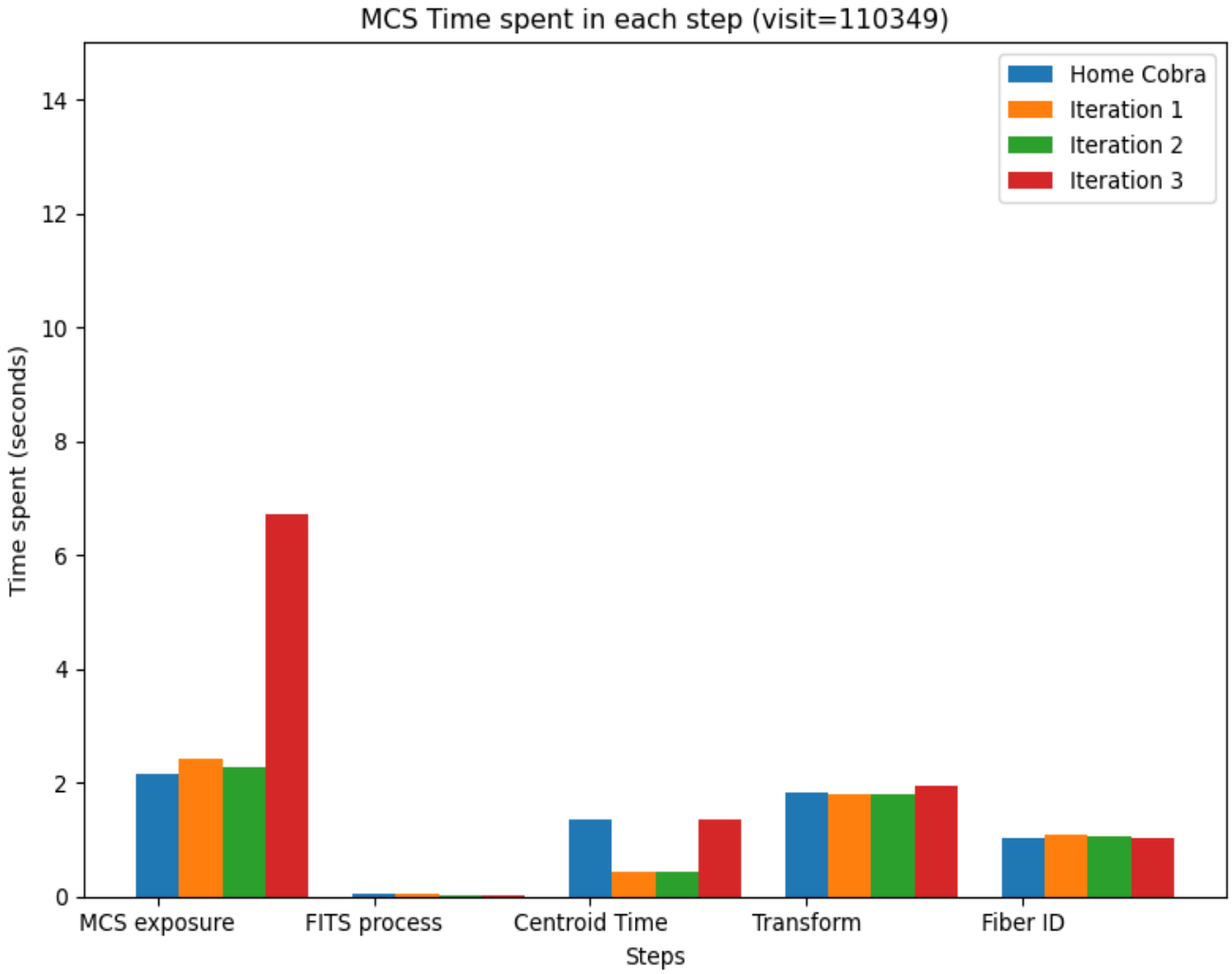

MCS Time spent in each step (visit=110246)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

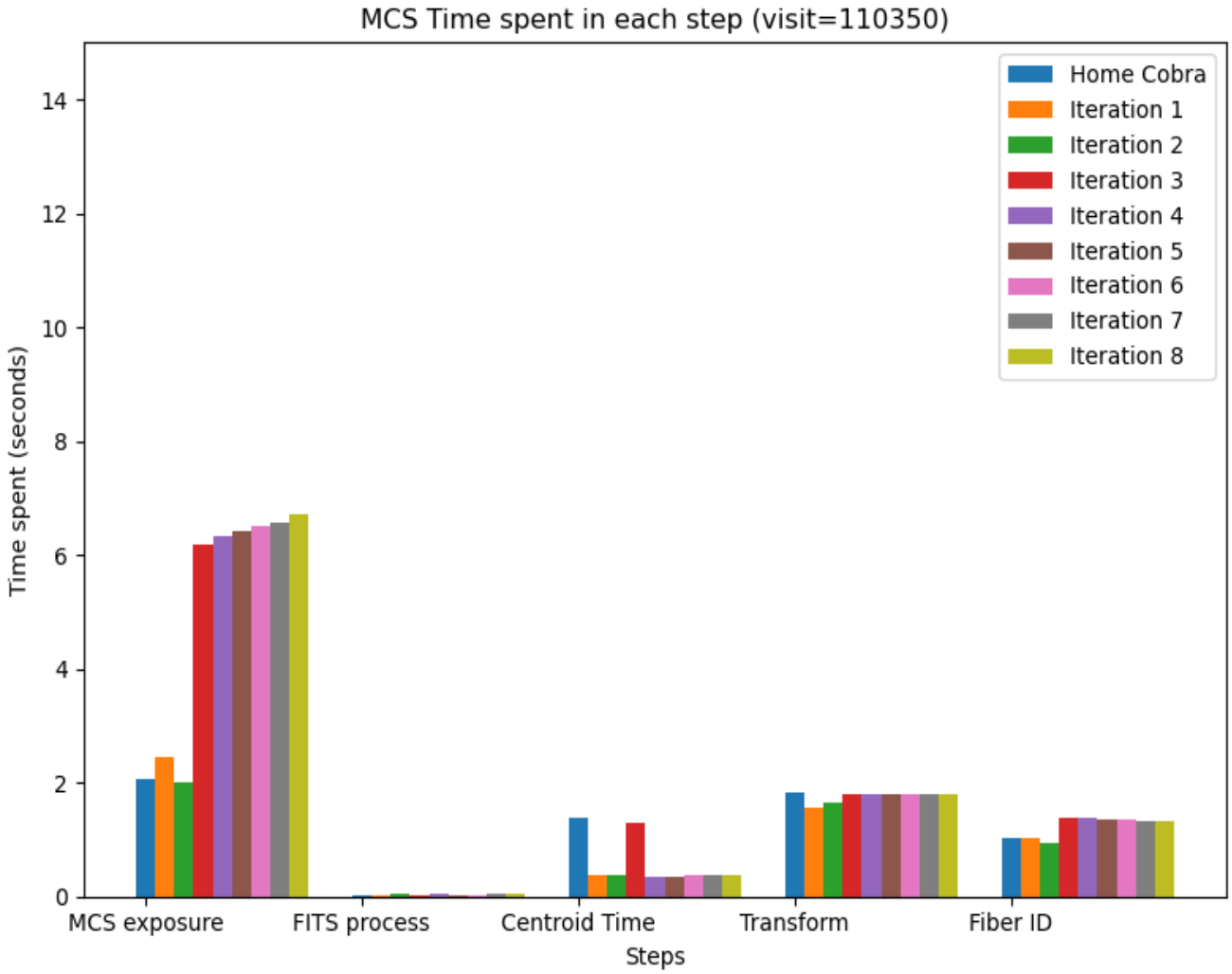

MCS Time spent in each step (visit=110248)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

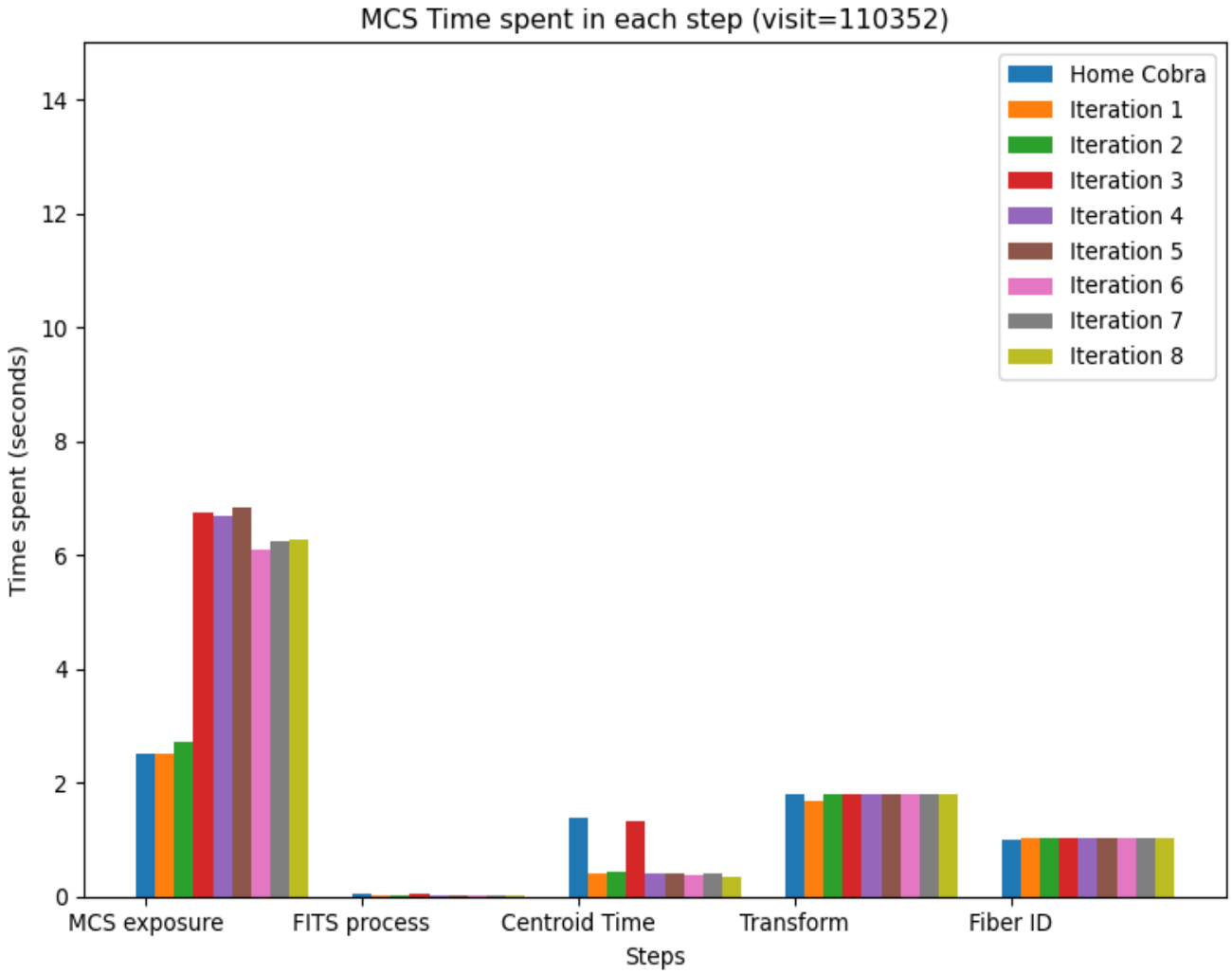

MCS Time spent in each step (visit=110250)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

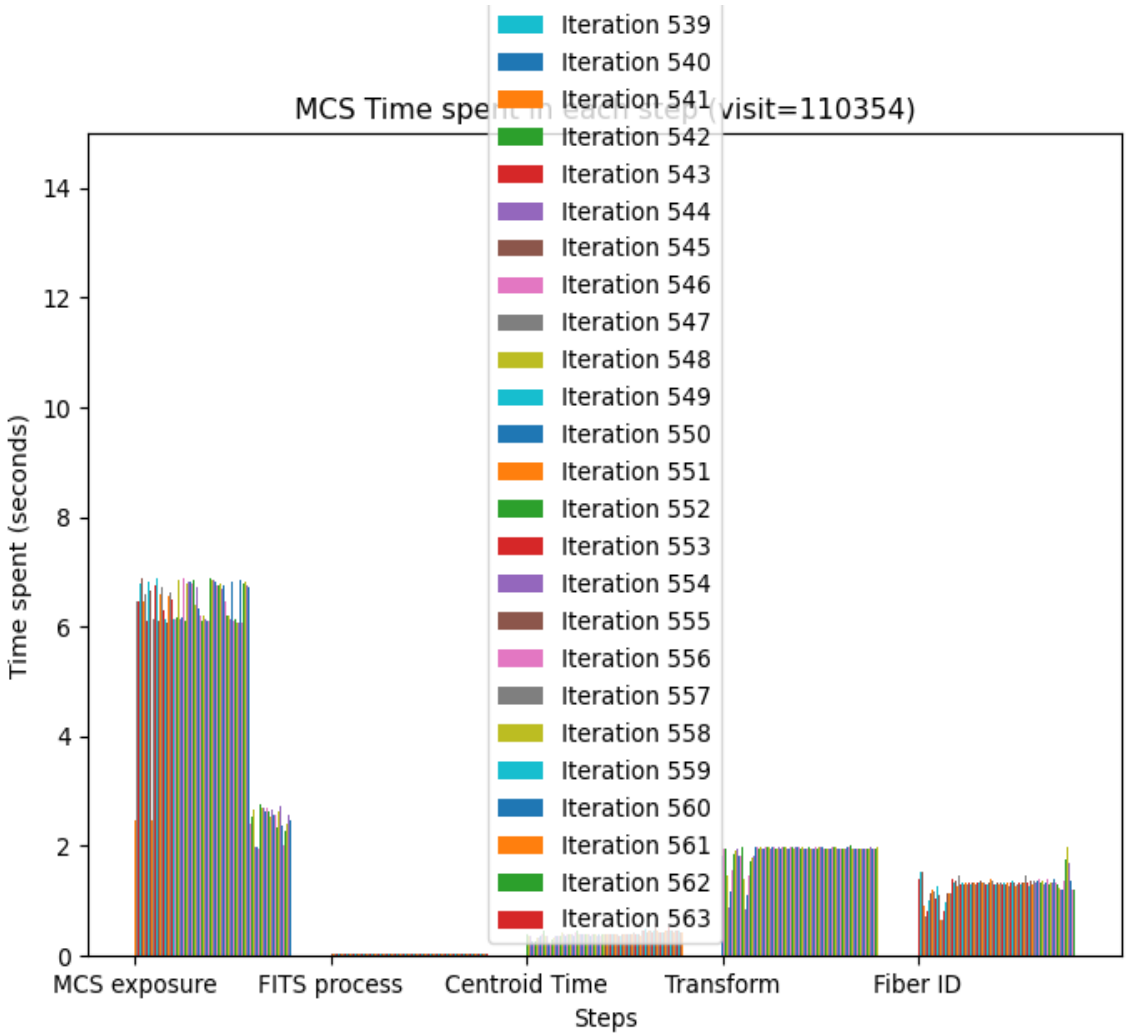

MCS Time spent in each step (visit=110265)
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

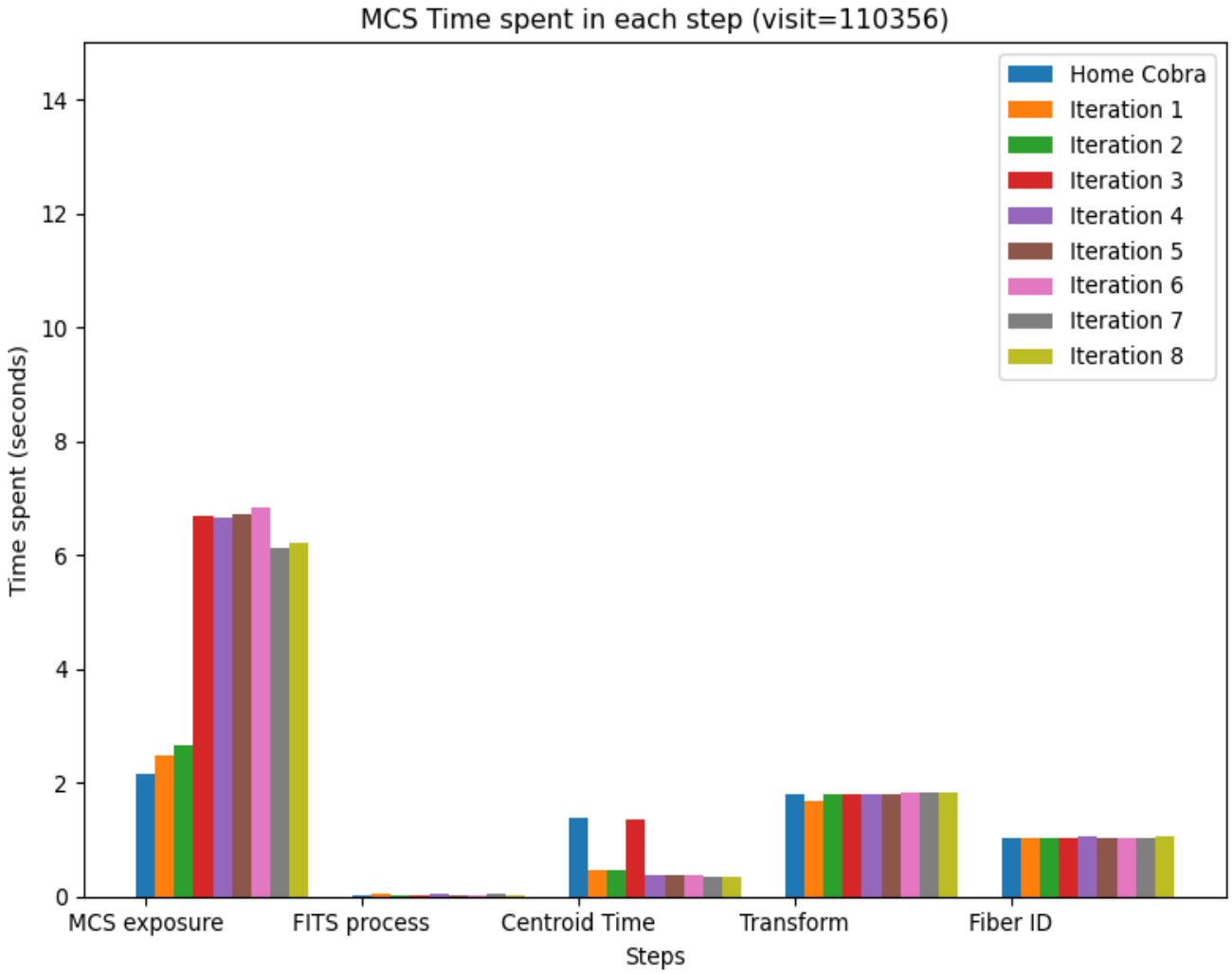

MCS Time spent in each step (visit=110286)
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

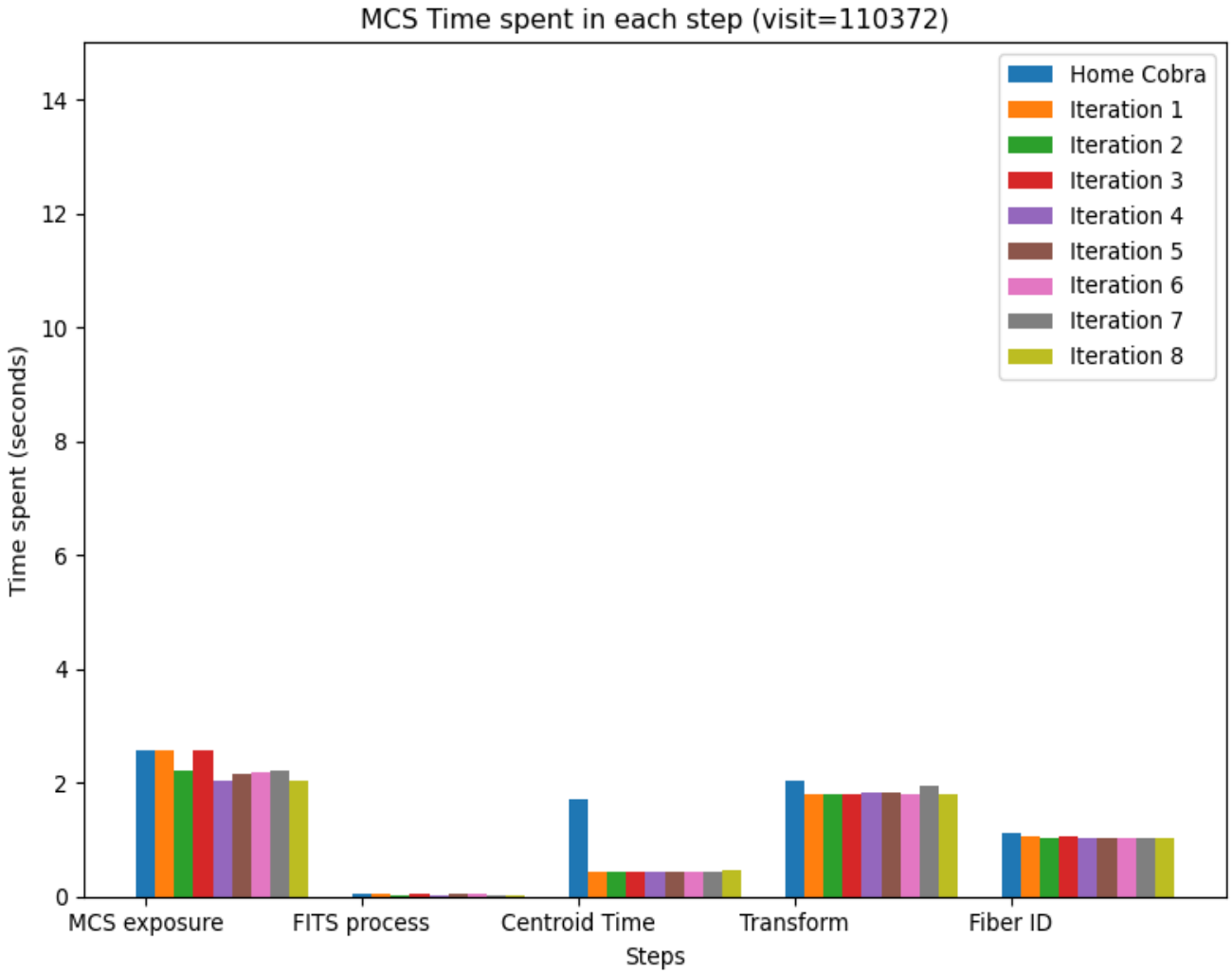

MCS Time spent in each step (visit=110349)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

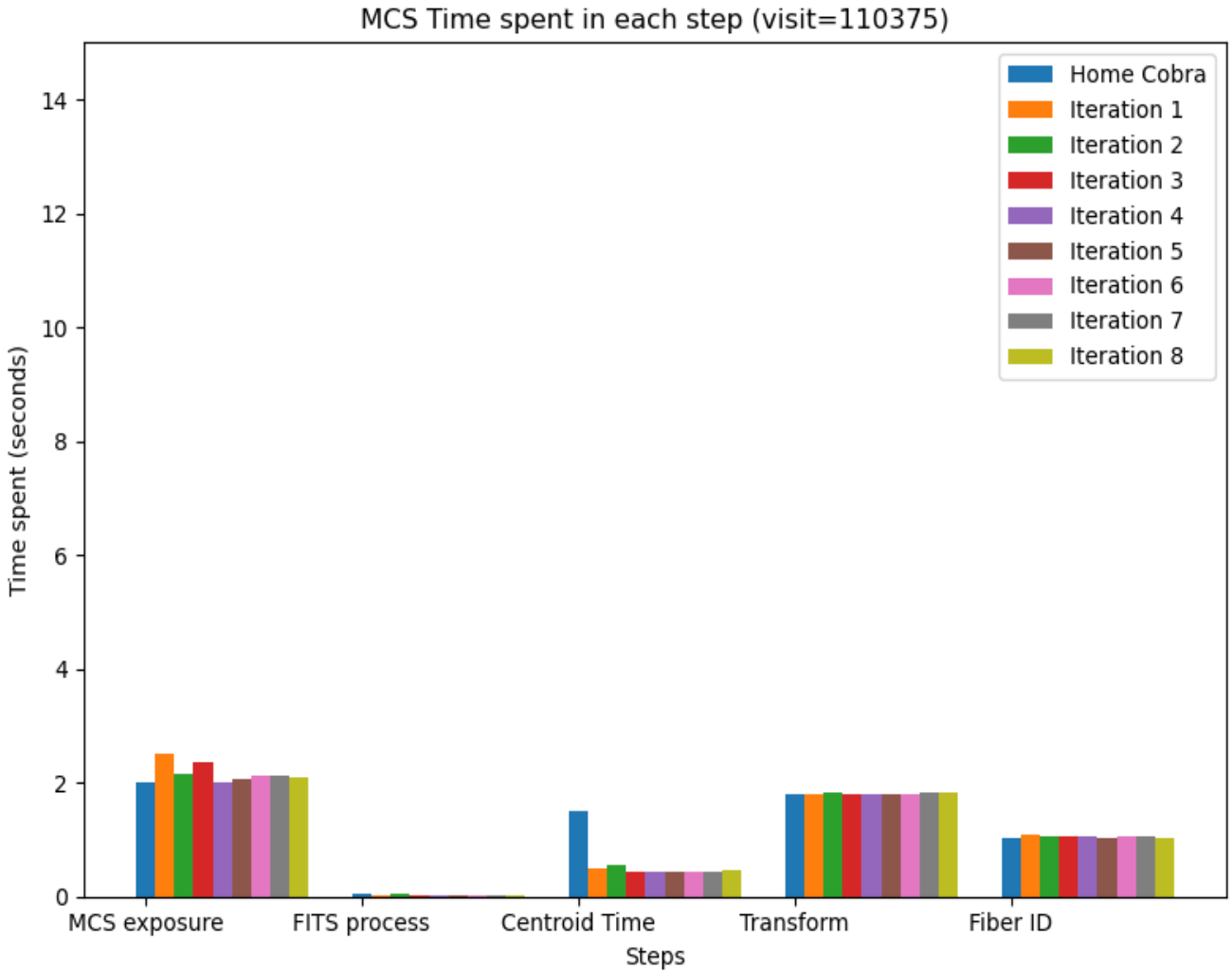

MCS Time spent in each step (visit=110350)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

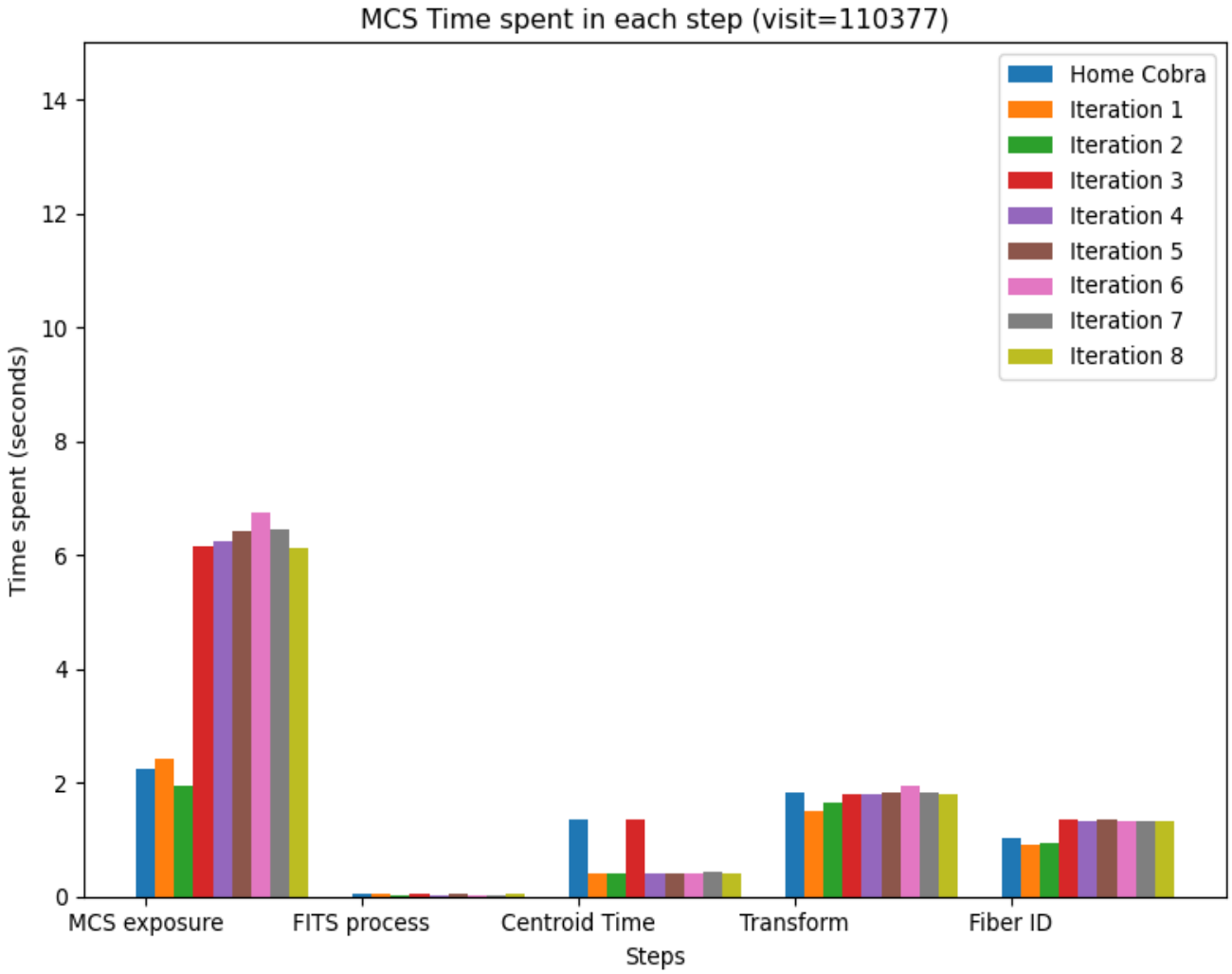

MCS Time spent in each step (visit=110352)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

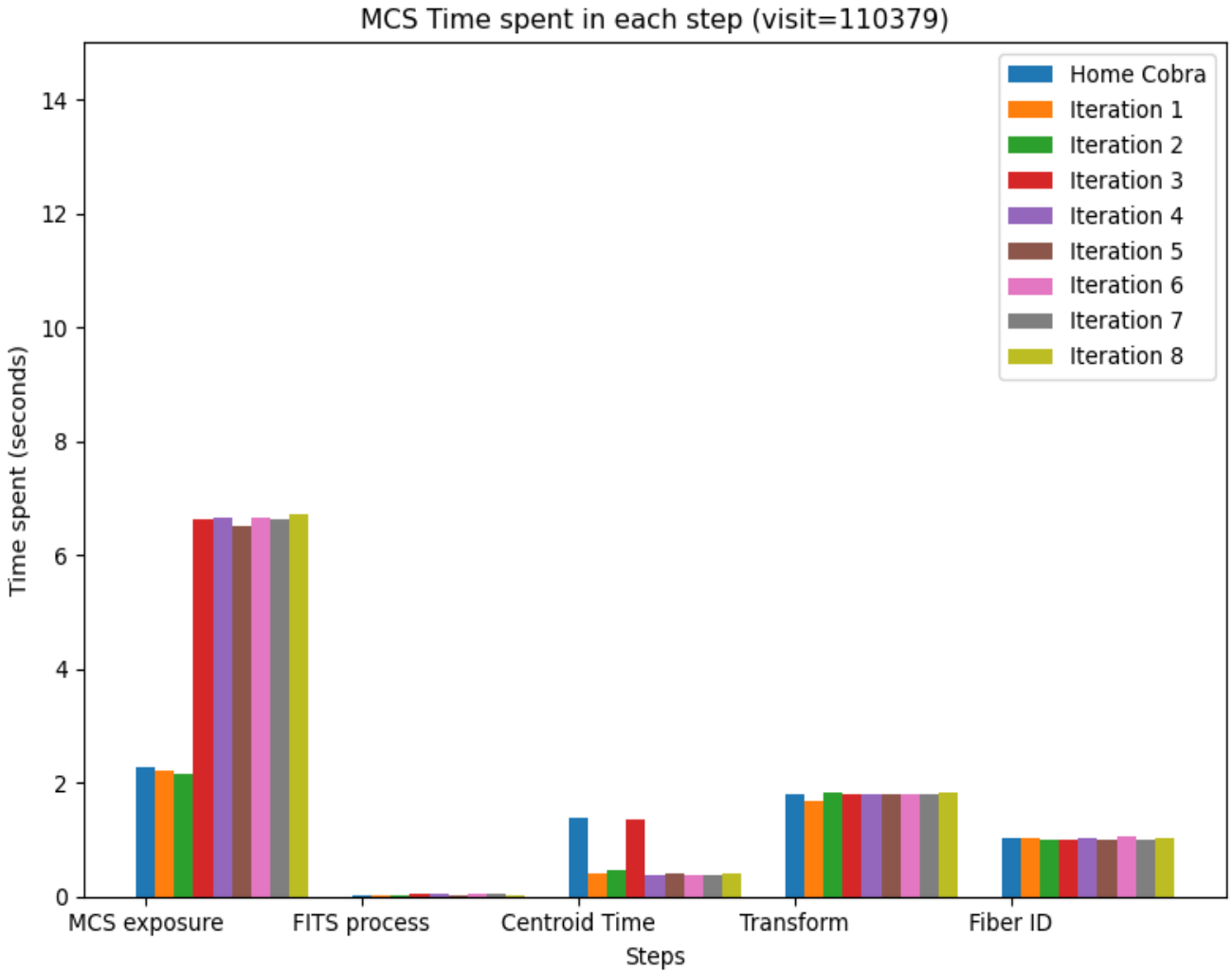

MCS Time spent in each step (visit=110354)
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps
Iteration 539
Iteration 540
Iteration 541
Iteration 542
Iteration 543
Iteration 544
Iteration 545
Iteration 546
Iteration 547
Iteration 548
Iteration 549
Iteration 550
Iteration 551
Iteration 552
Iteration 553
Iteration 554
Iteration 555
Iteration 556
Iteration 557
Iteration 558
Iteration 559
Iteration 560
Iteration 561
Iteration 562
Iteration 563

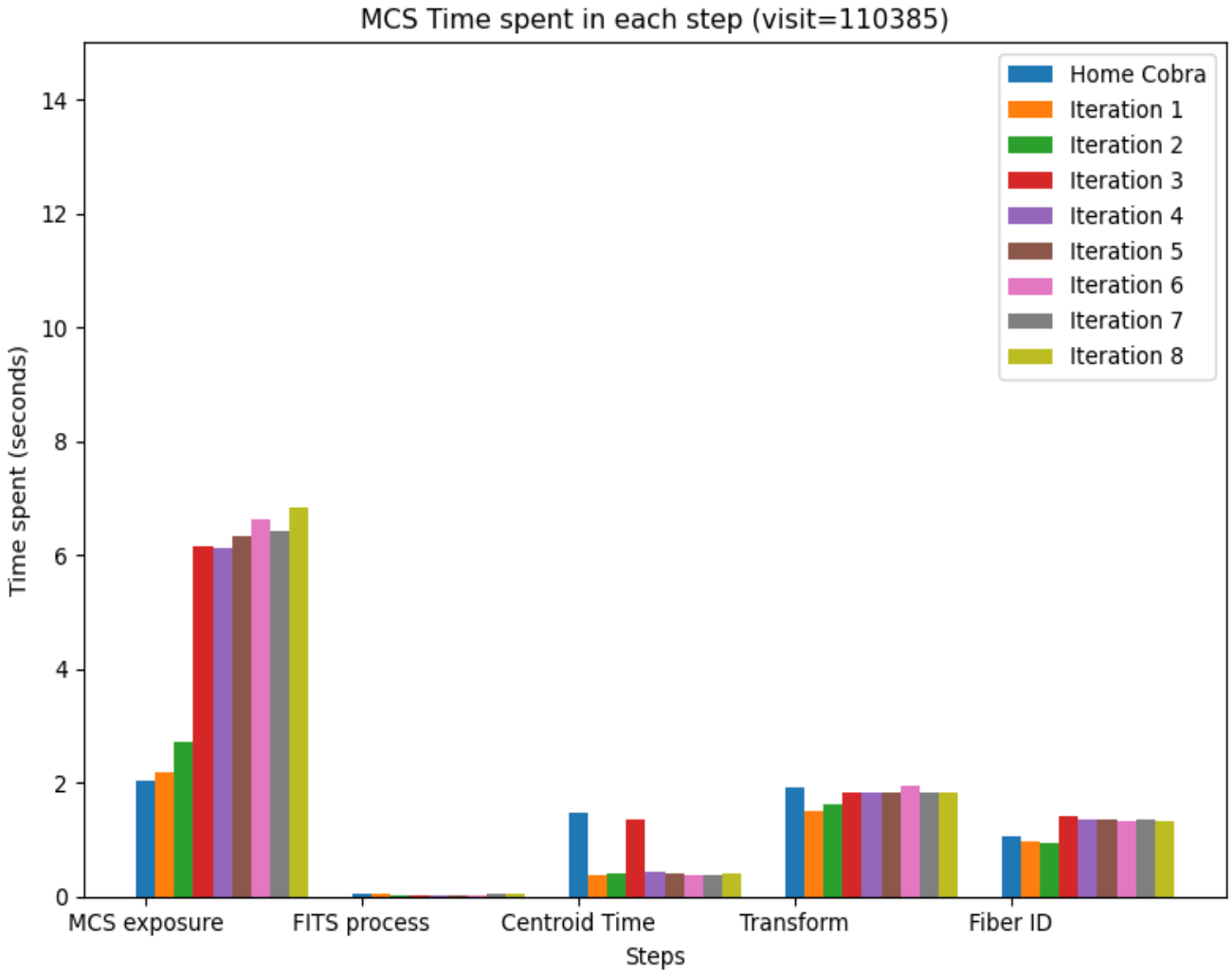

MCS Time spent in each step (visit=110356)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

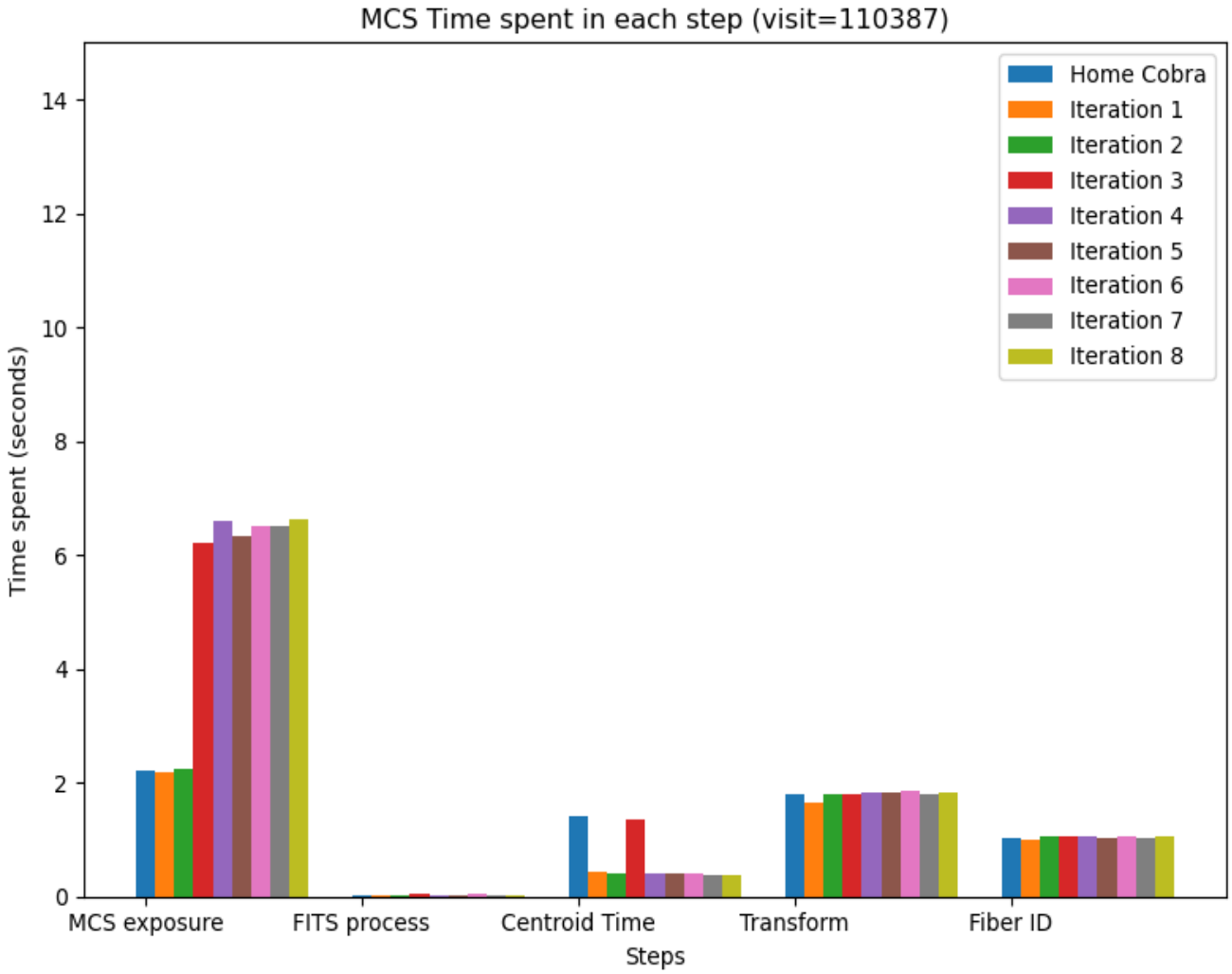

MCS Time spent in each step (visit=110372)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

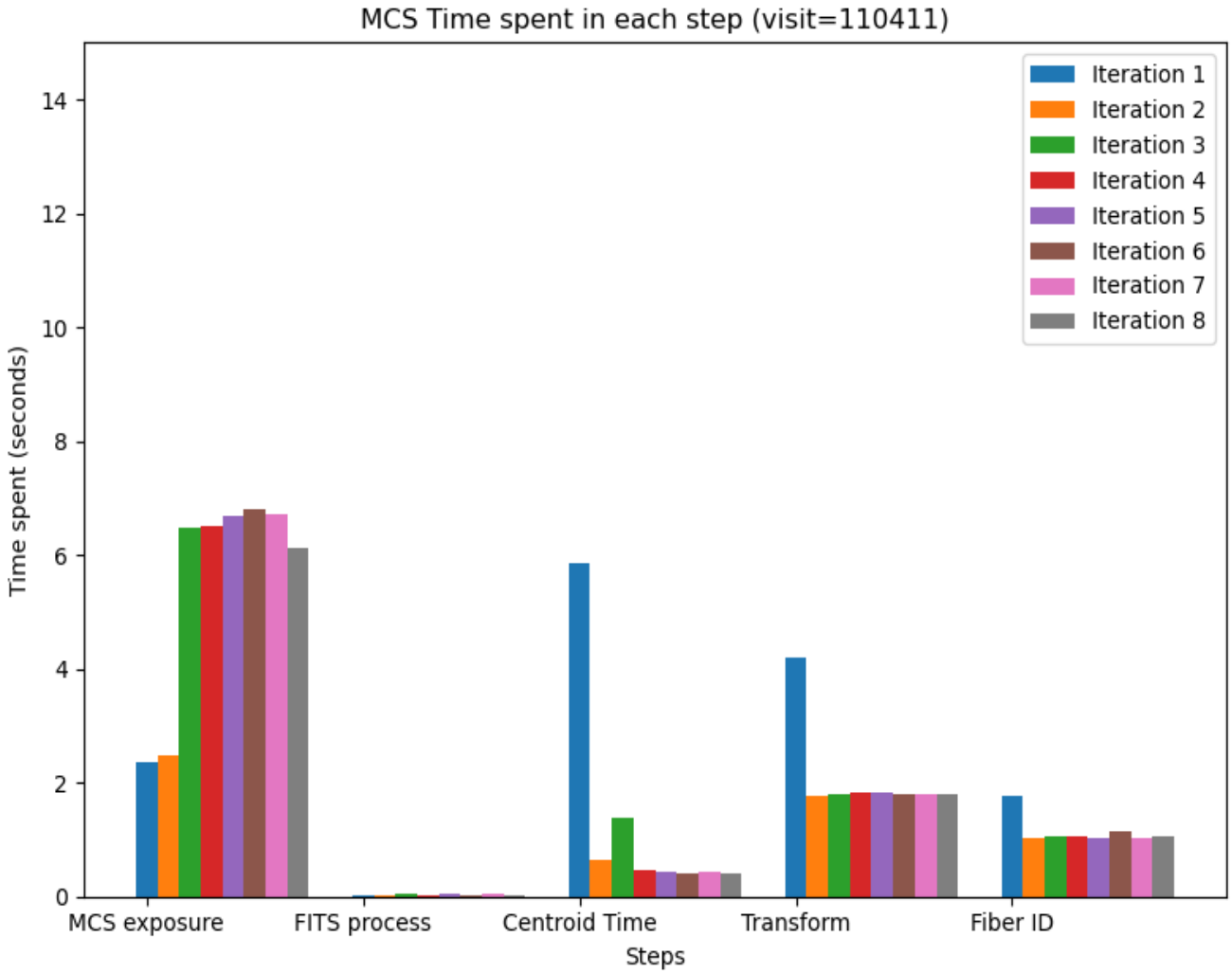

MCS Time spent in each step (visit=110375)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

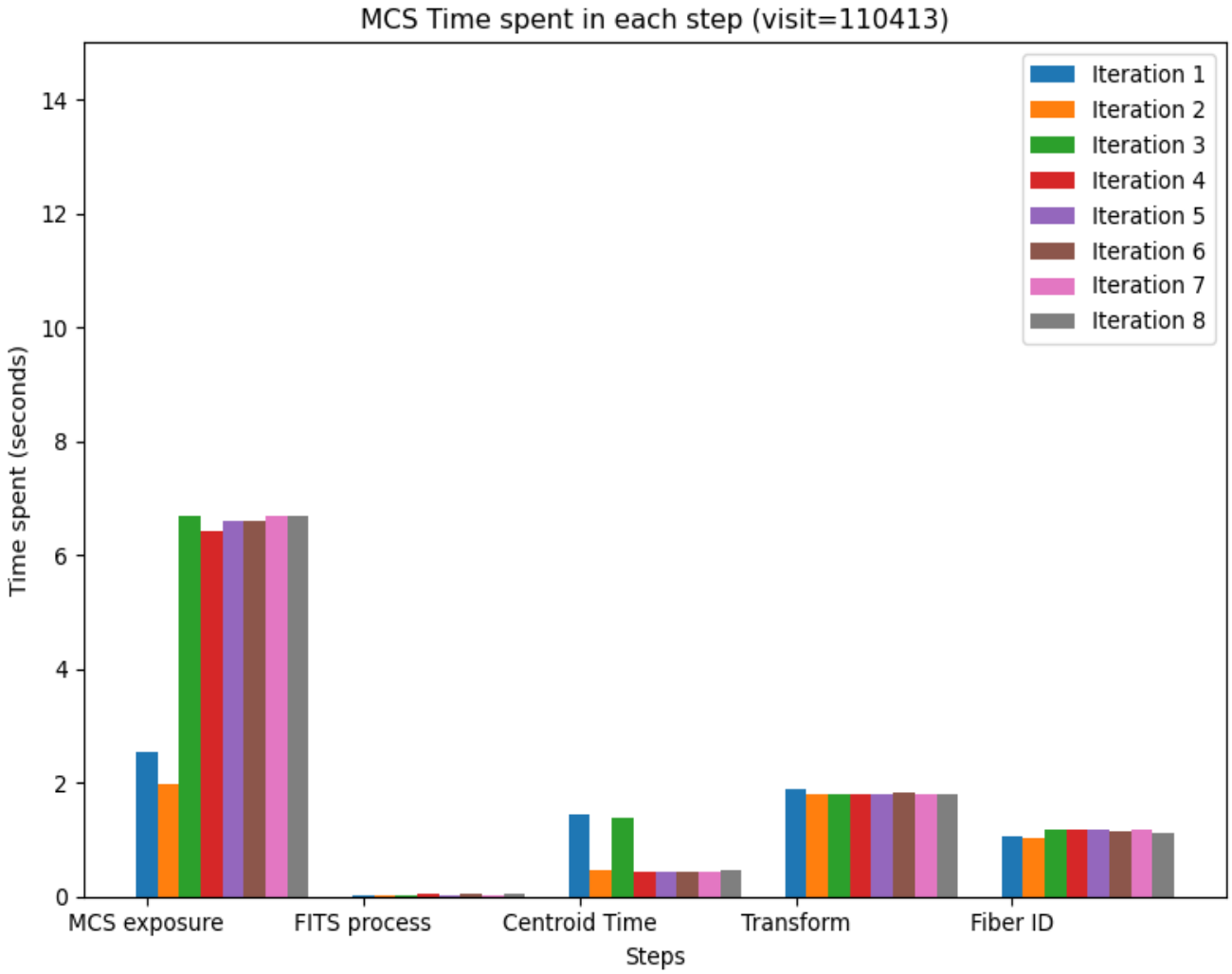

MCS Time spent in each step (visit=110377)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

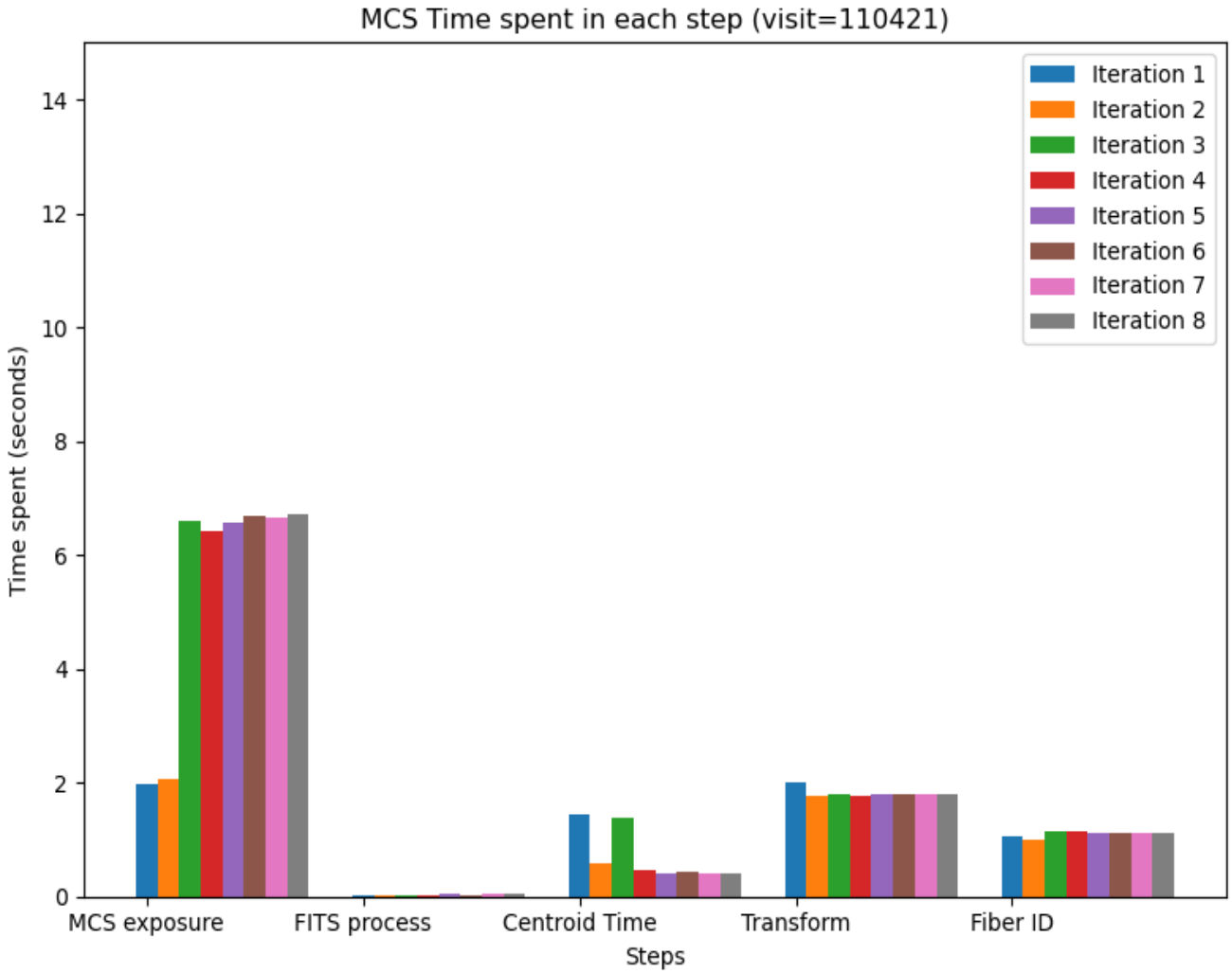

MCS Time spent in each step (visit=110379)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

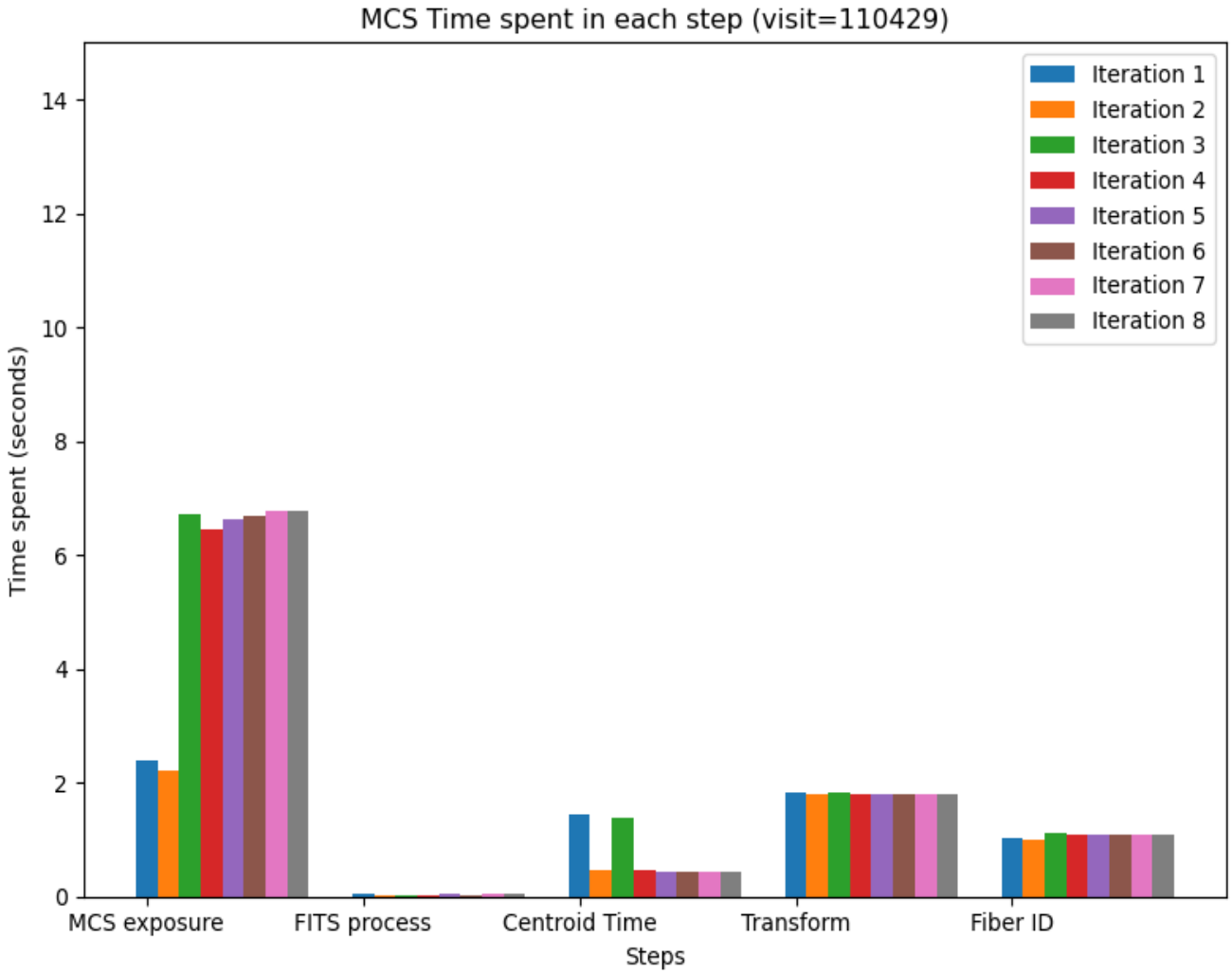

MCS Time spent in each step (visit=110385)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

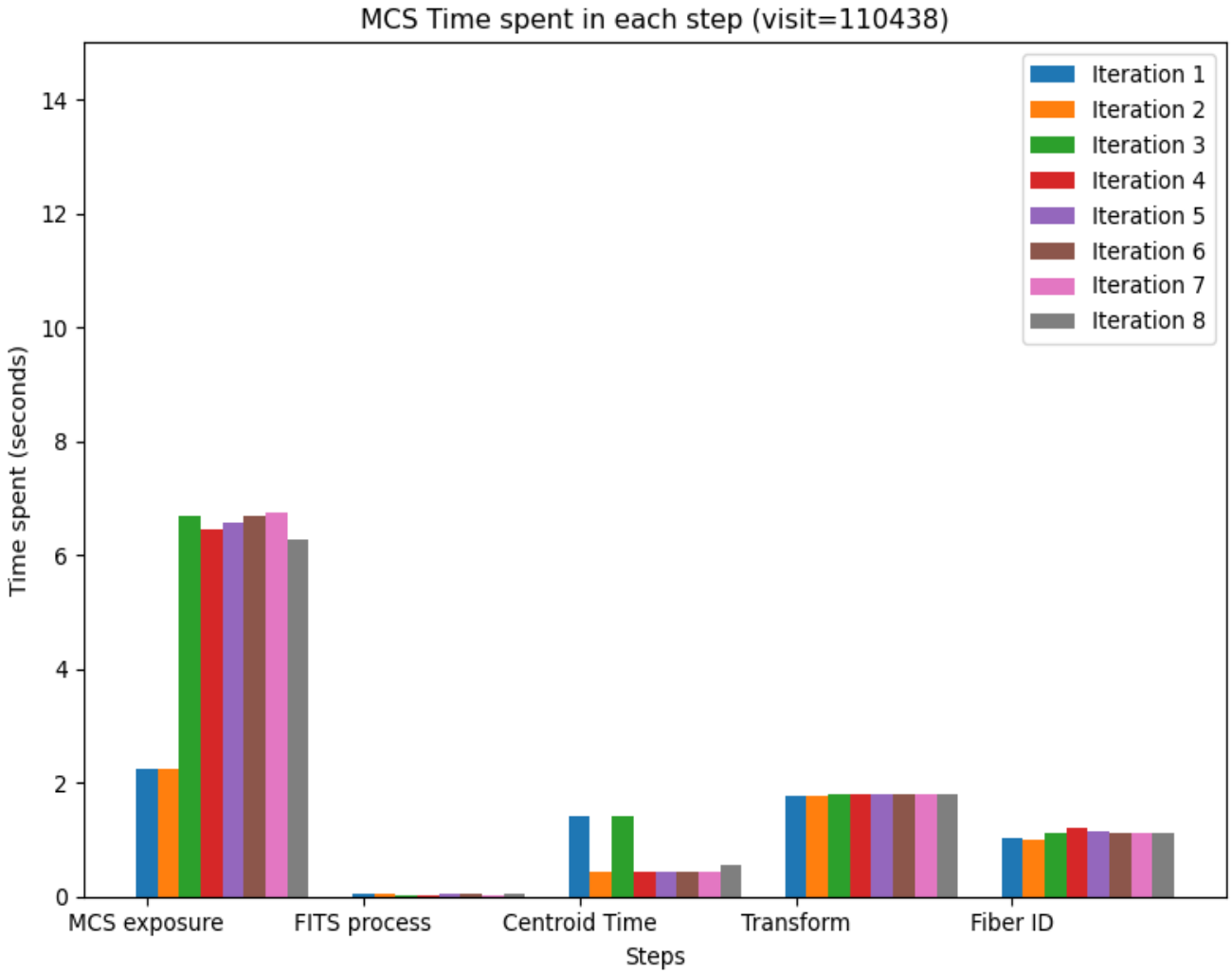

MCS Time spent in each step (visit=110387)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

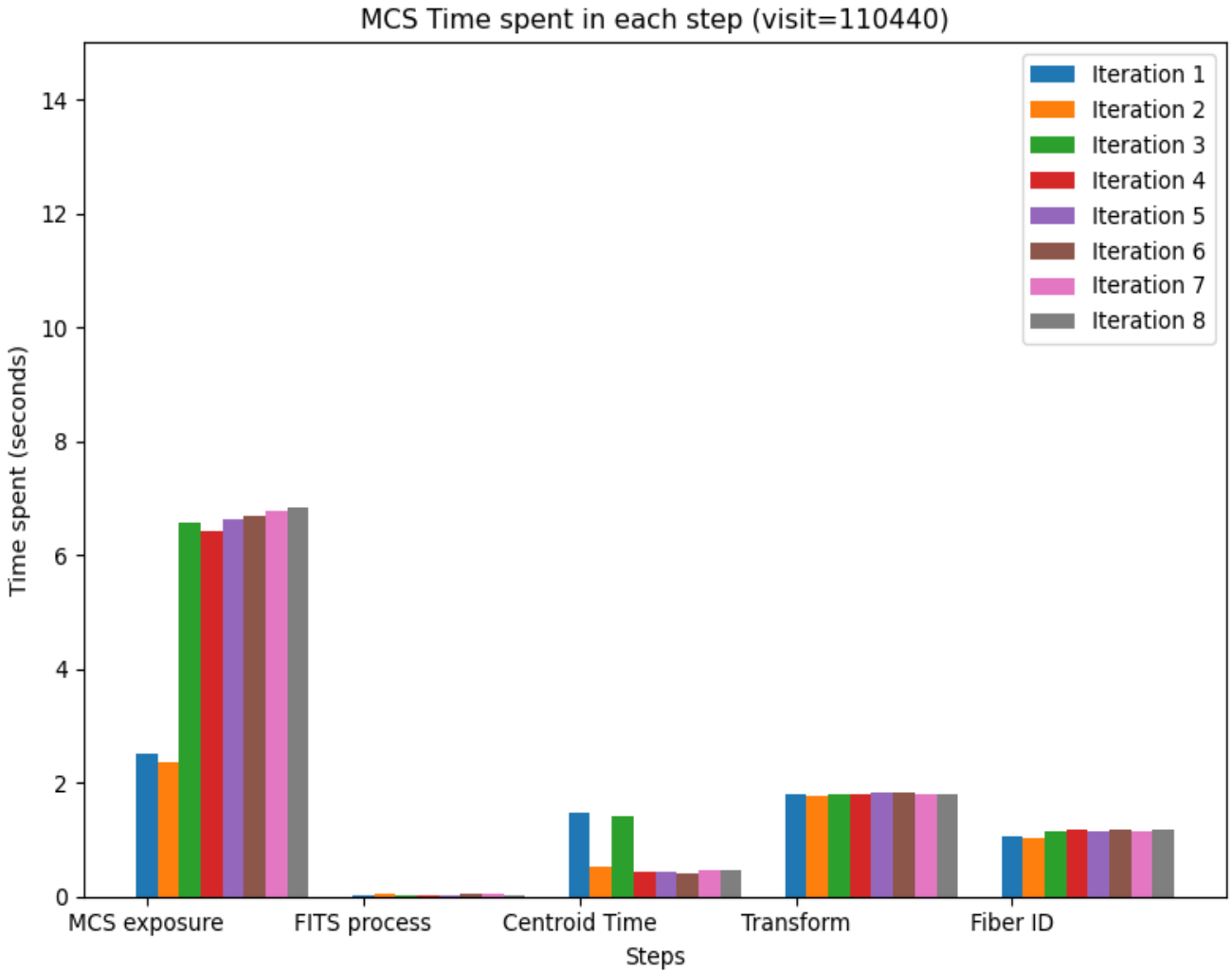

MCS Time spent in each step (visit=110411)
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

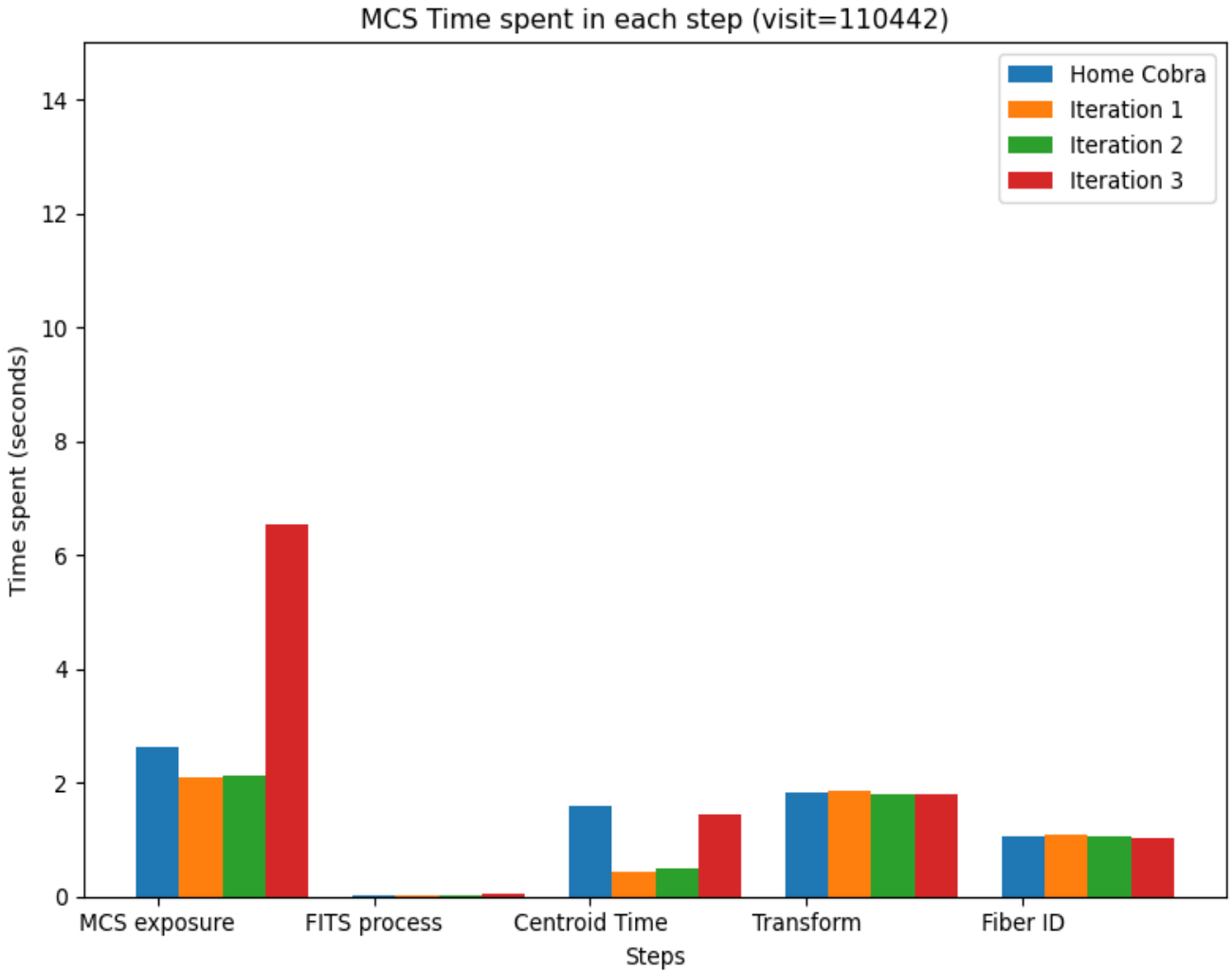

MCS Time spent in each step (visit=110413)
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

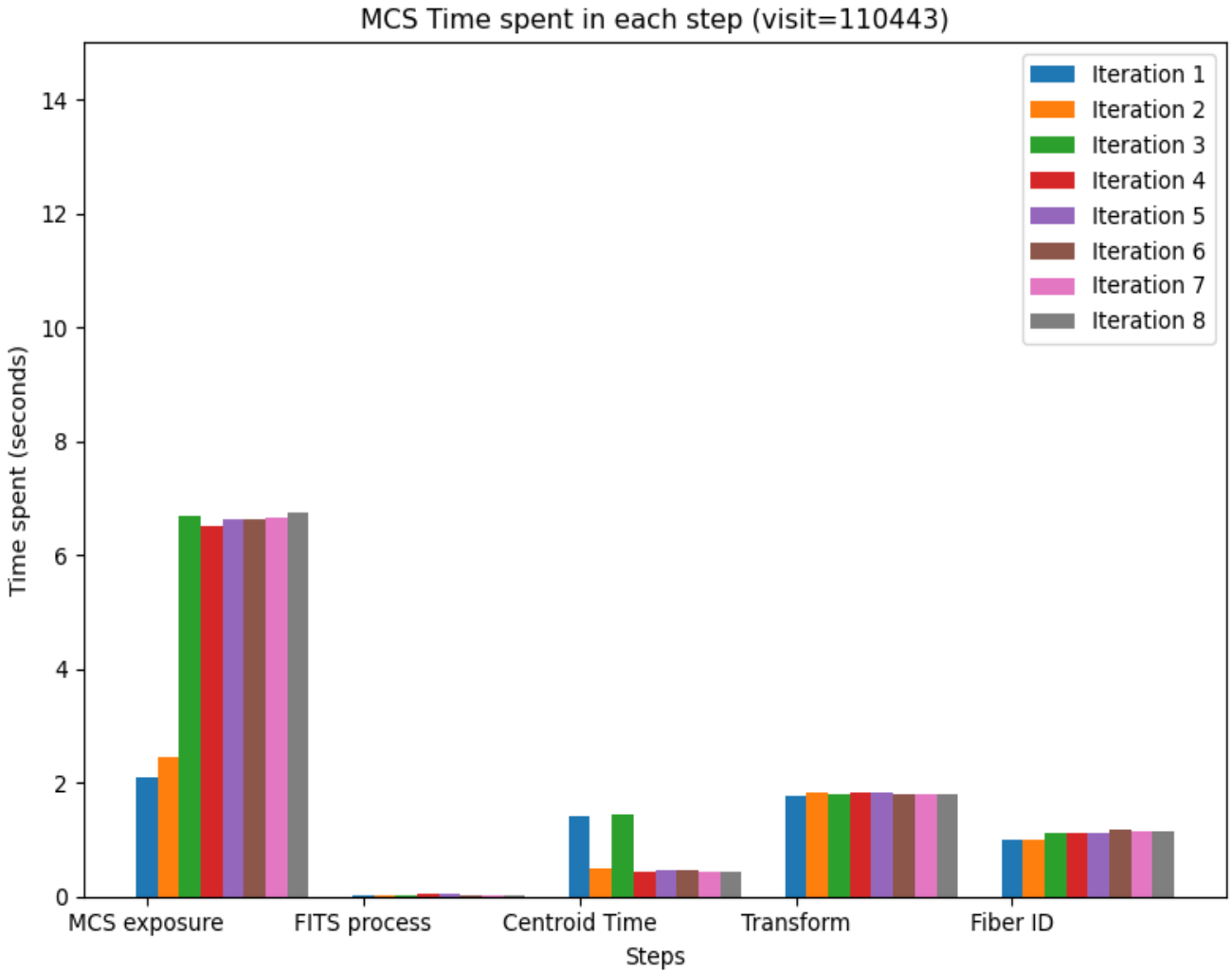

MCS Time spent in each step (visit=110421)
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

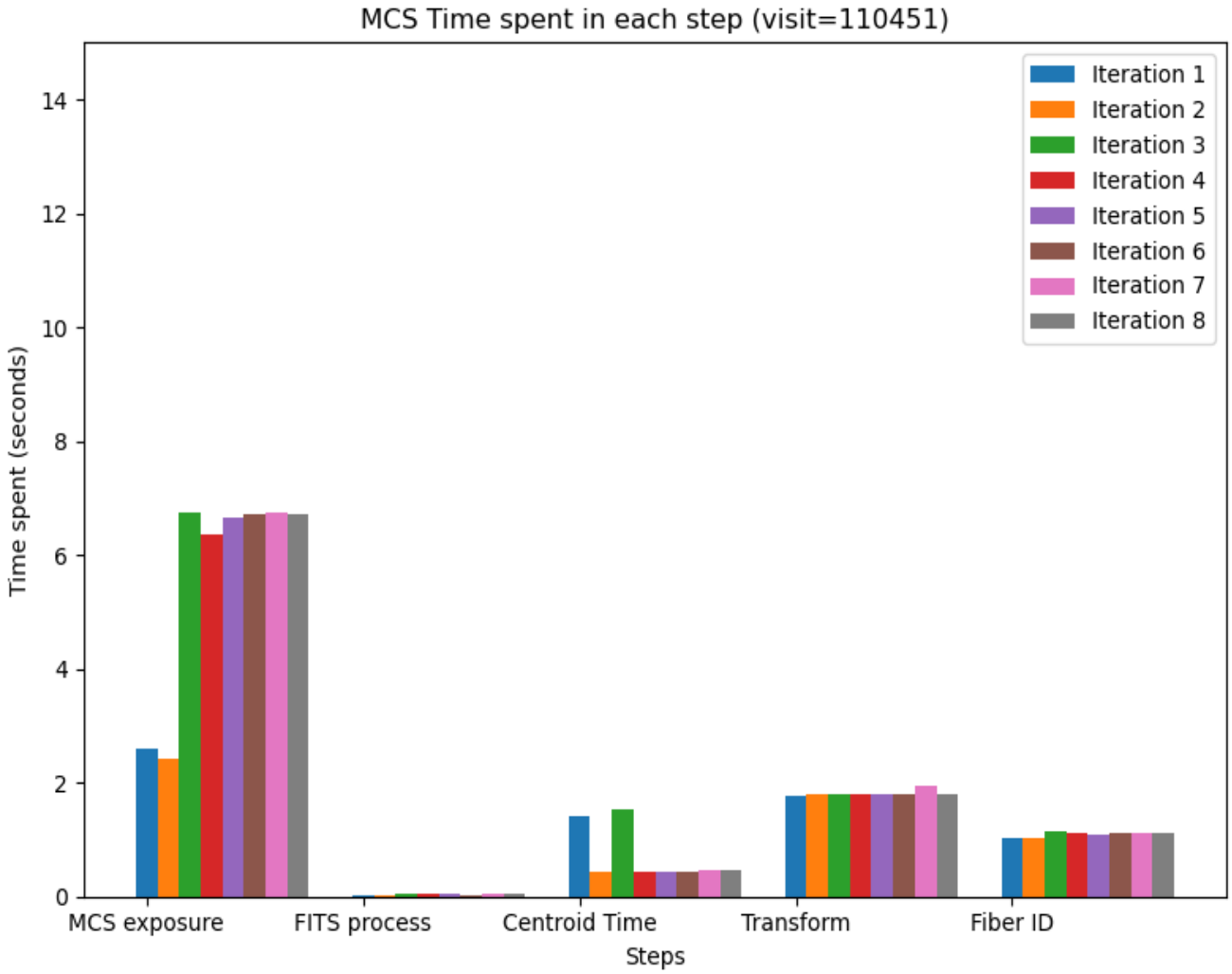

MCS Time spent in each step (visit=110429)
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

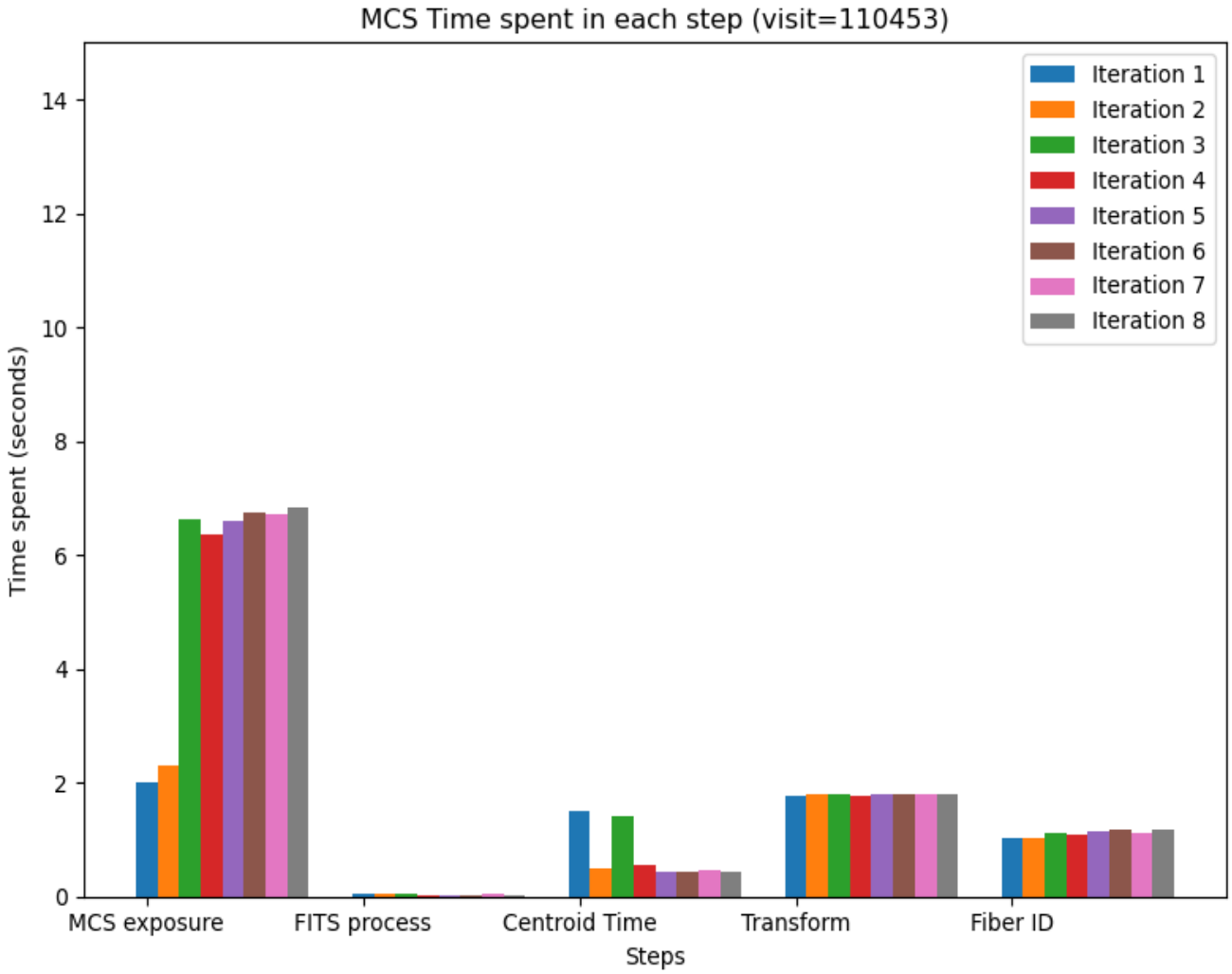

MCS Time spent in each step (visit=110438)
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

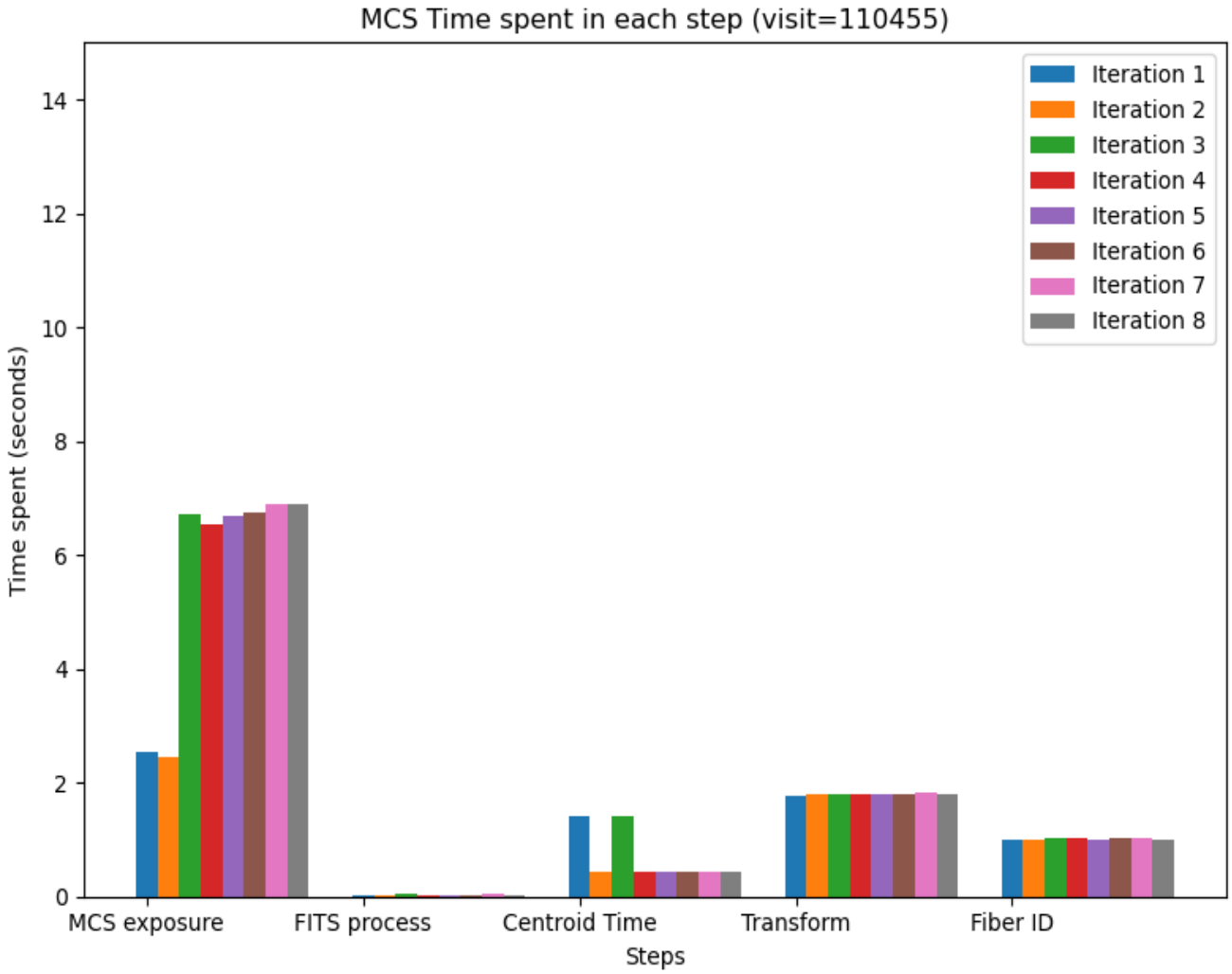

MCS Time spent in each step (visit=110440)
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

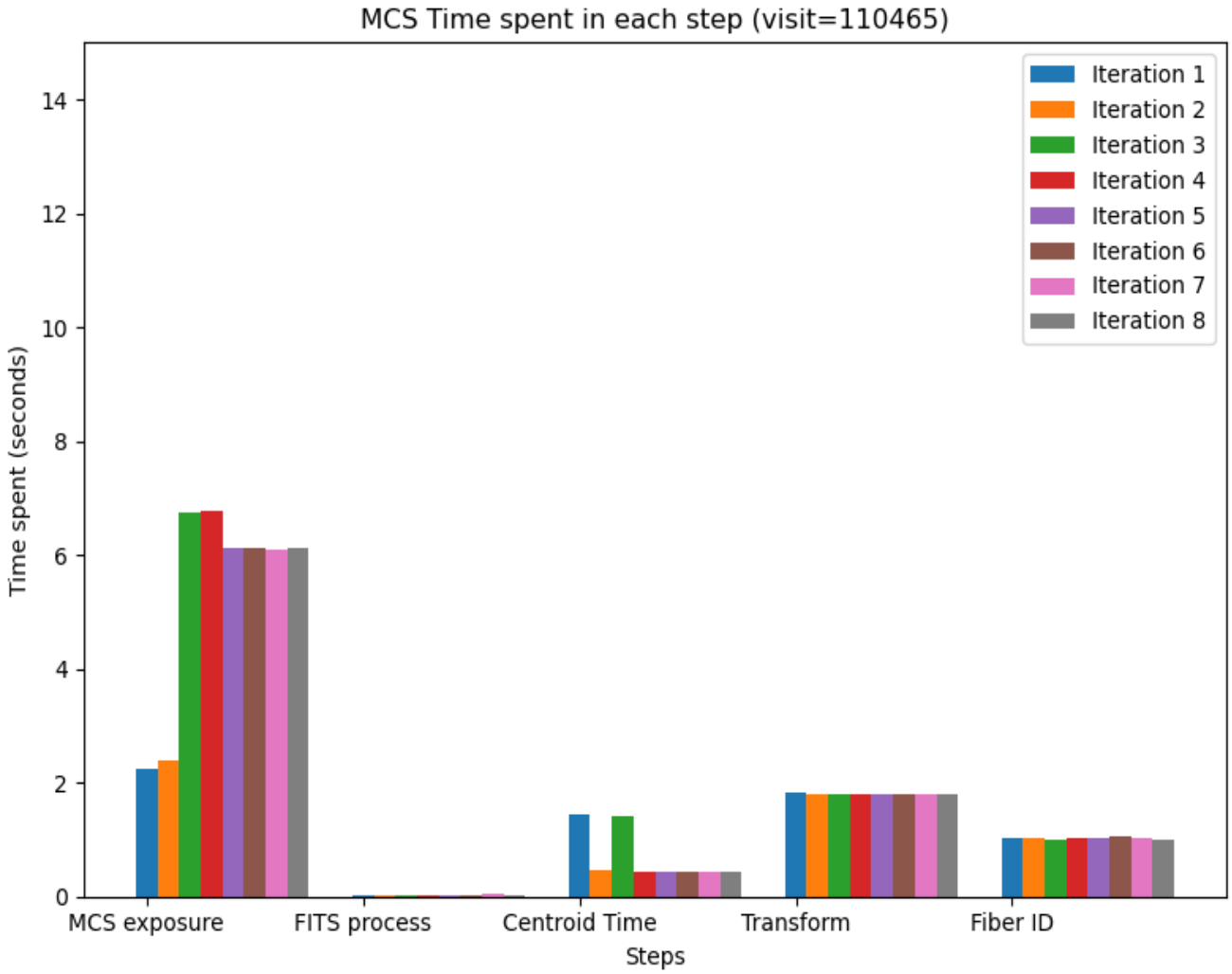

MCS Time spent in each step (visit=110442)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

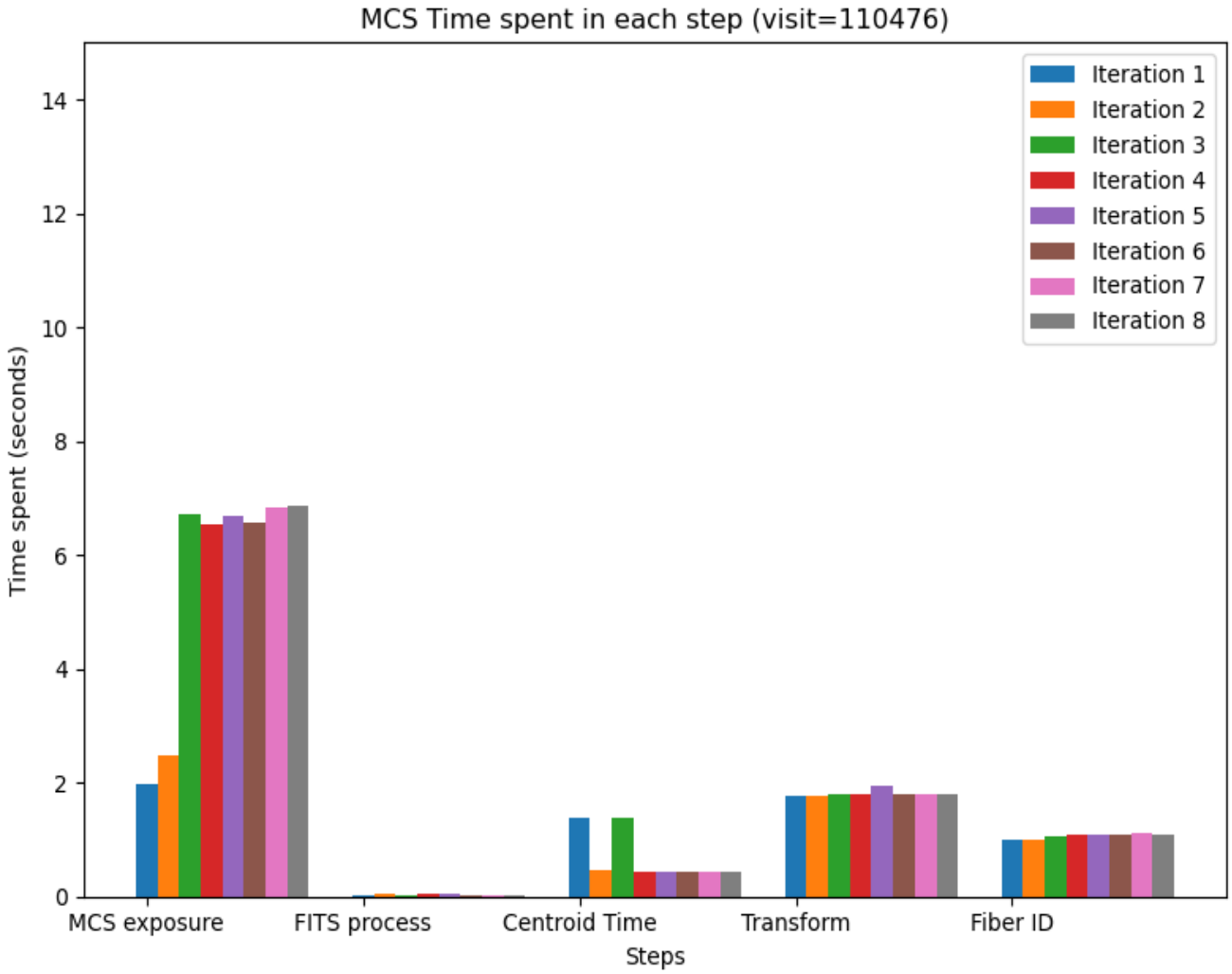

MCS Time spent in each step (visit=110443)
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

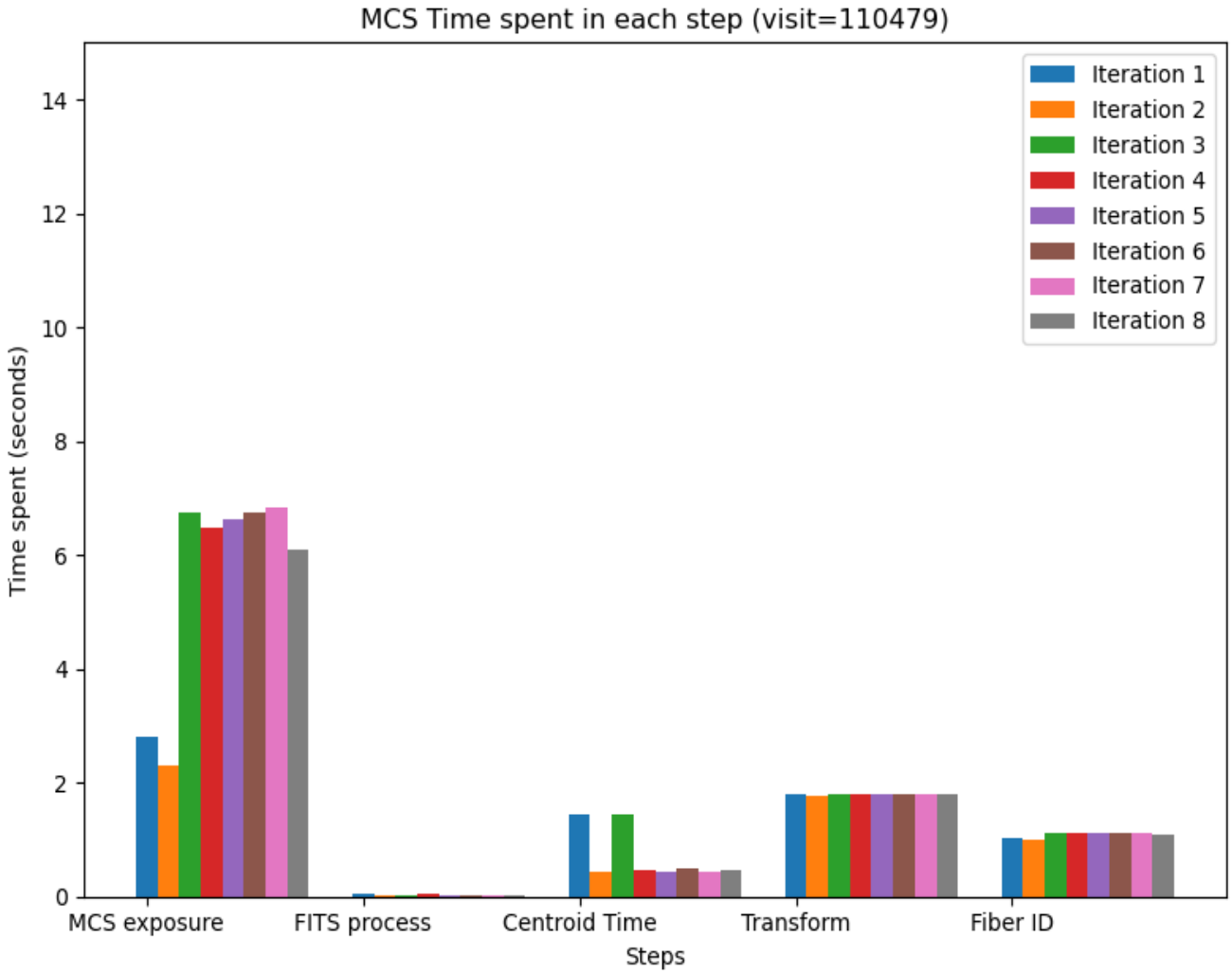

MCS Time spent in each step (visit=110451)
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

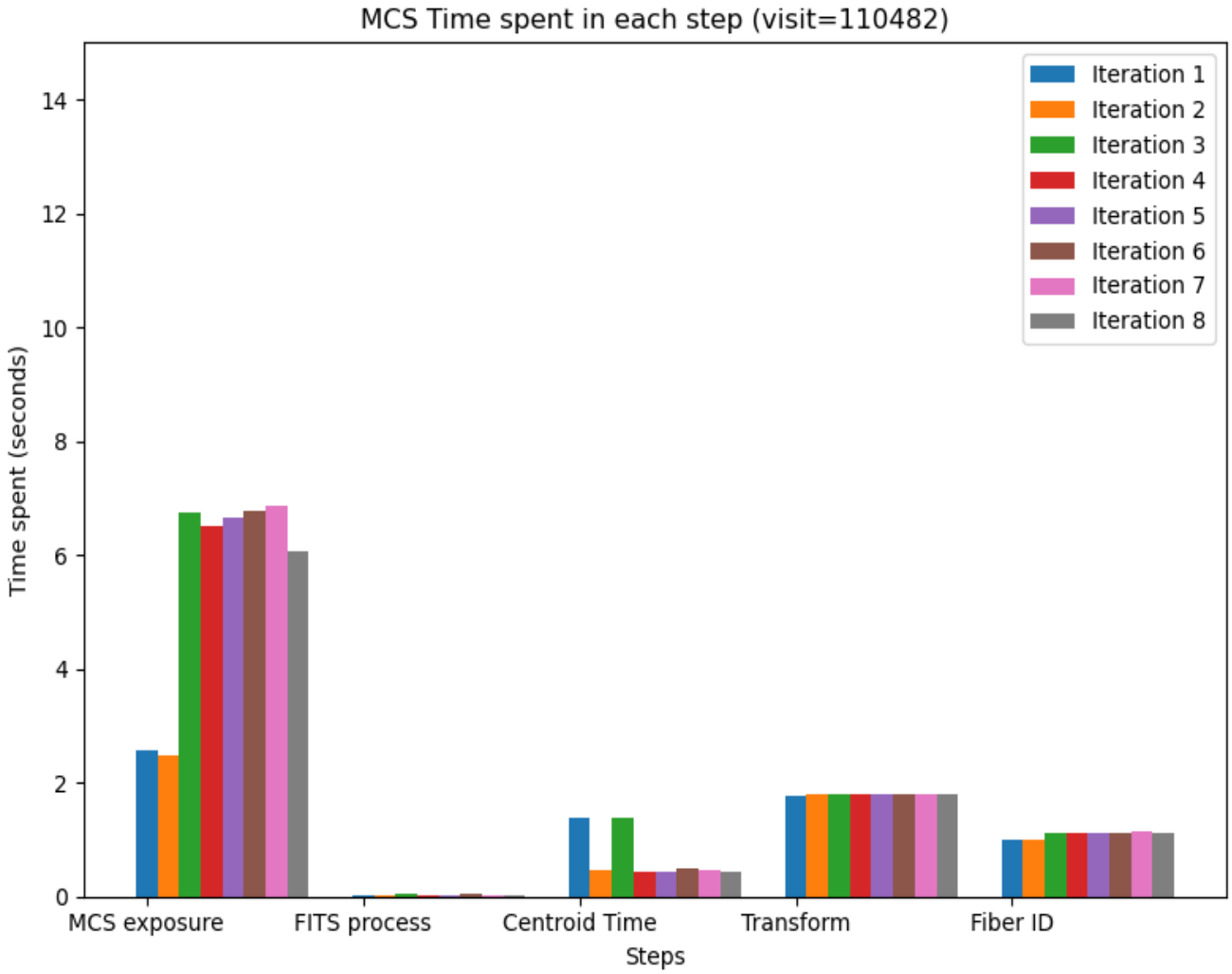

MCS Time spent in each step (visit=110453)
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

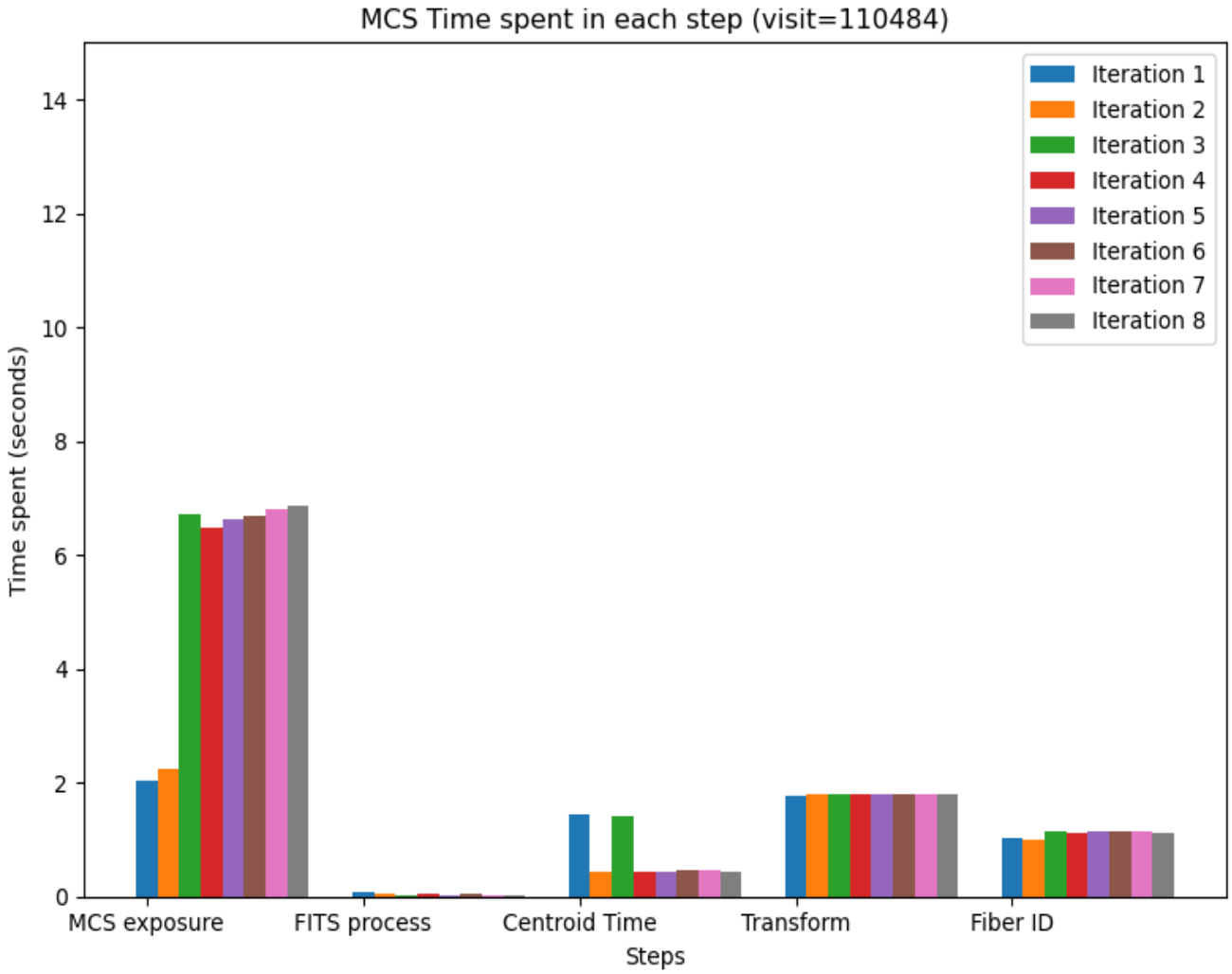

MCS Time spent in each step (visit=110455)
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

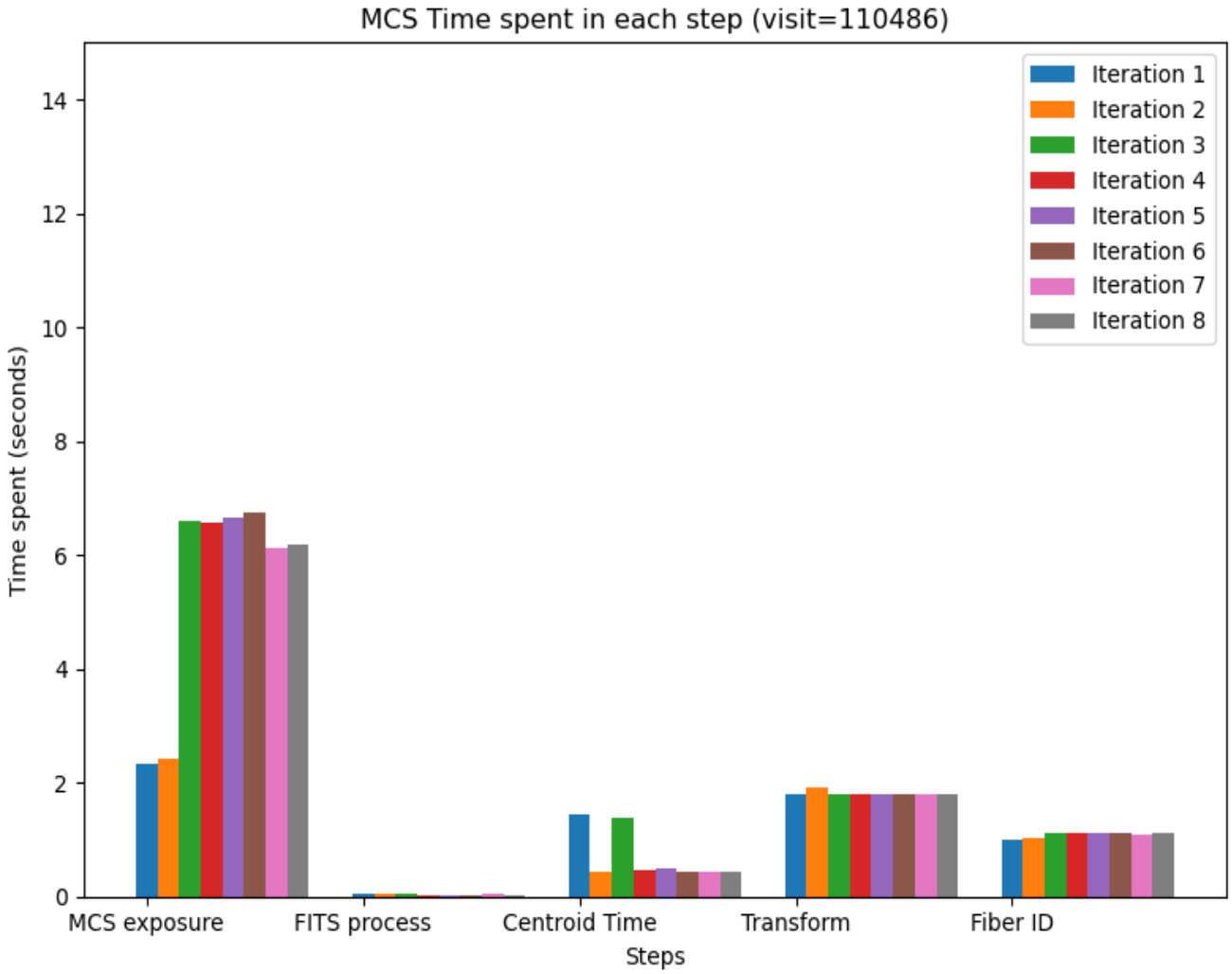

MCS Time spent in each step (visit=110465)
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

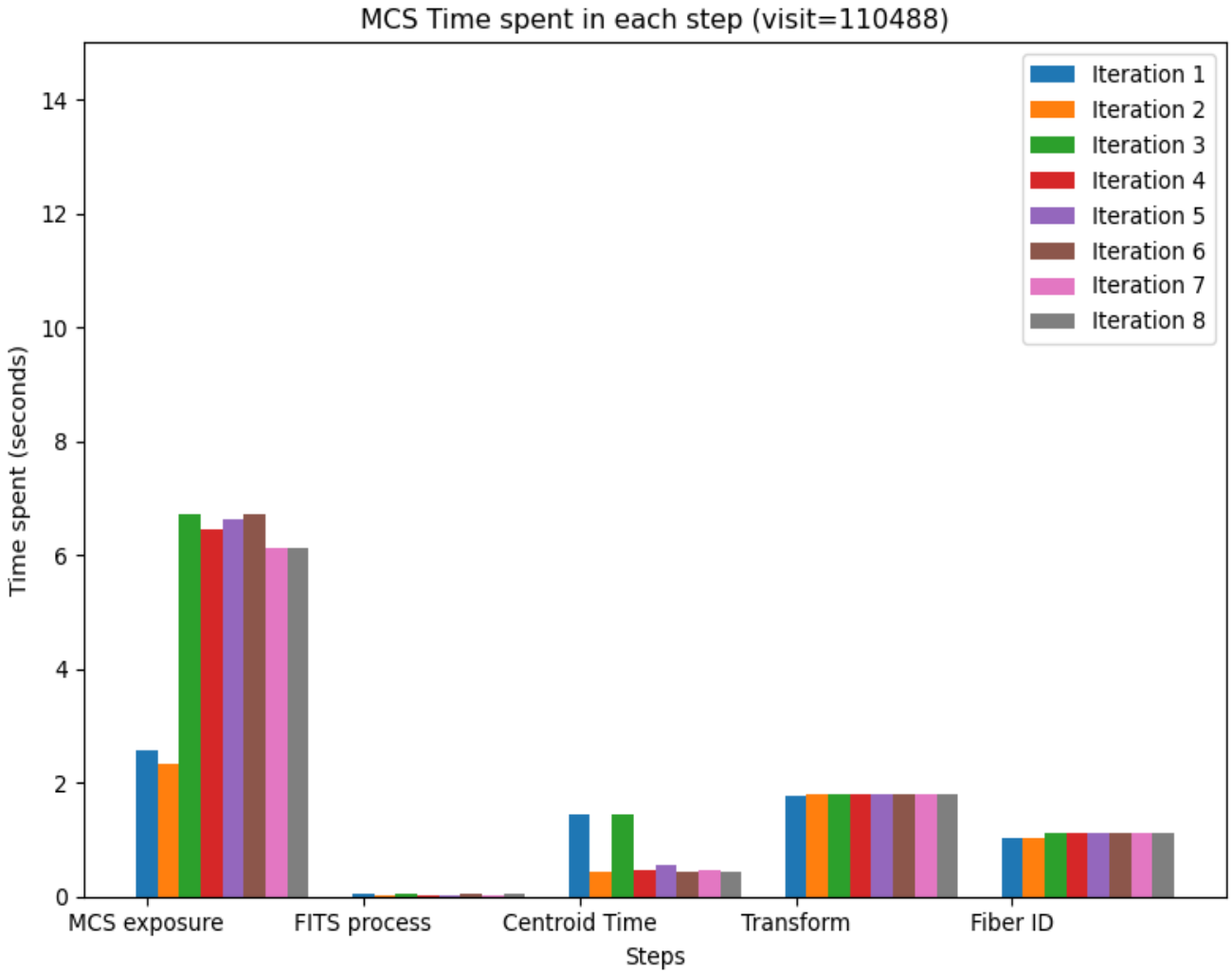

MCS Time spent in each step (visit=110476)
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

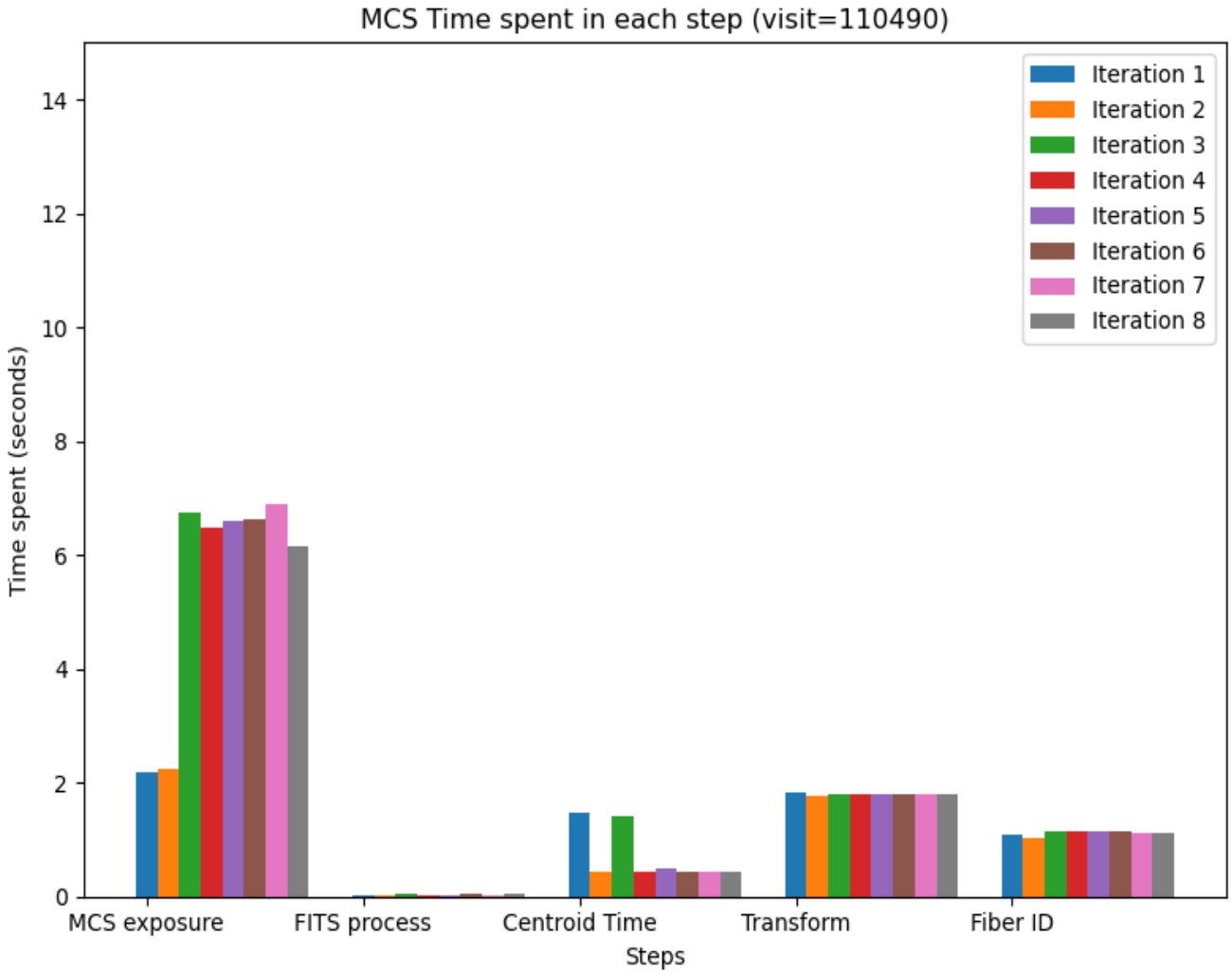

MCS Time spent in each step (visit=110479)
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

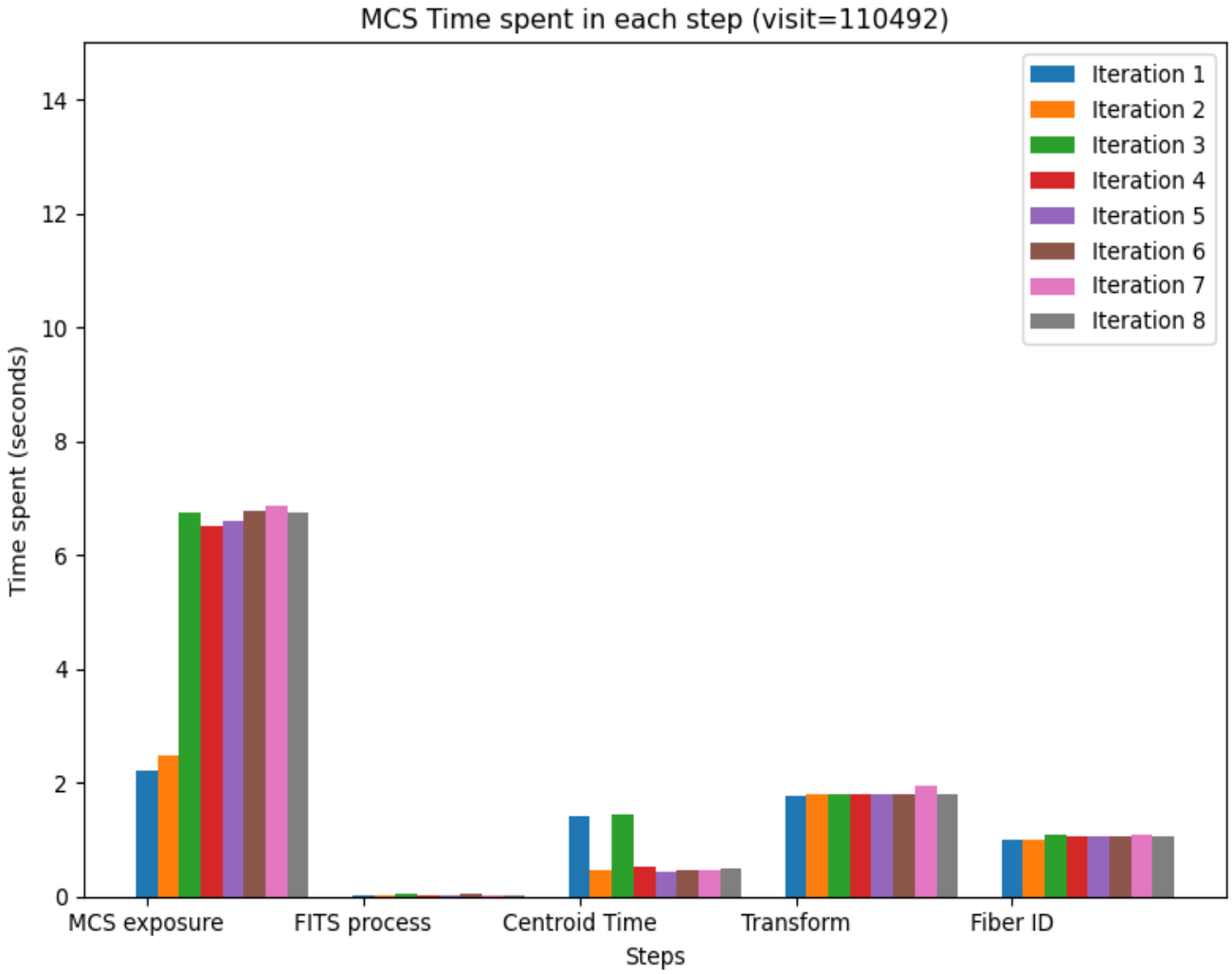

MCS Time spent in each step (visit=110482)
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

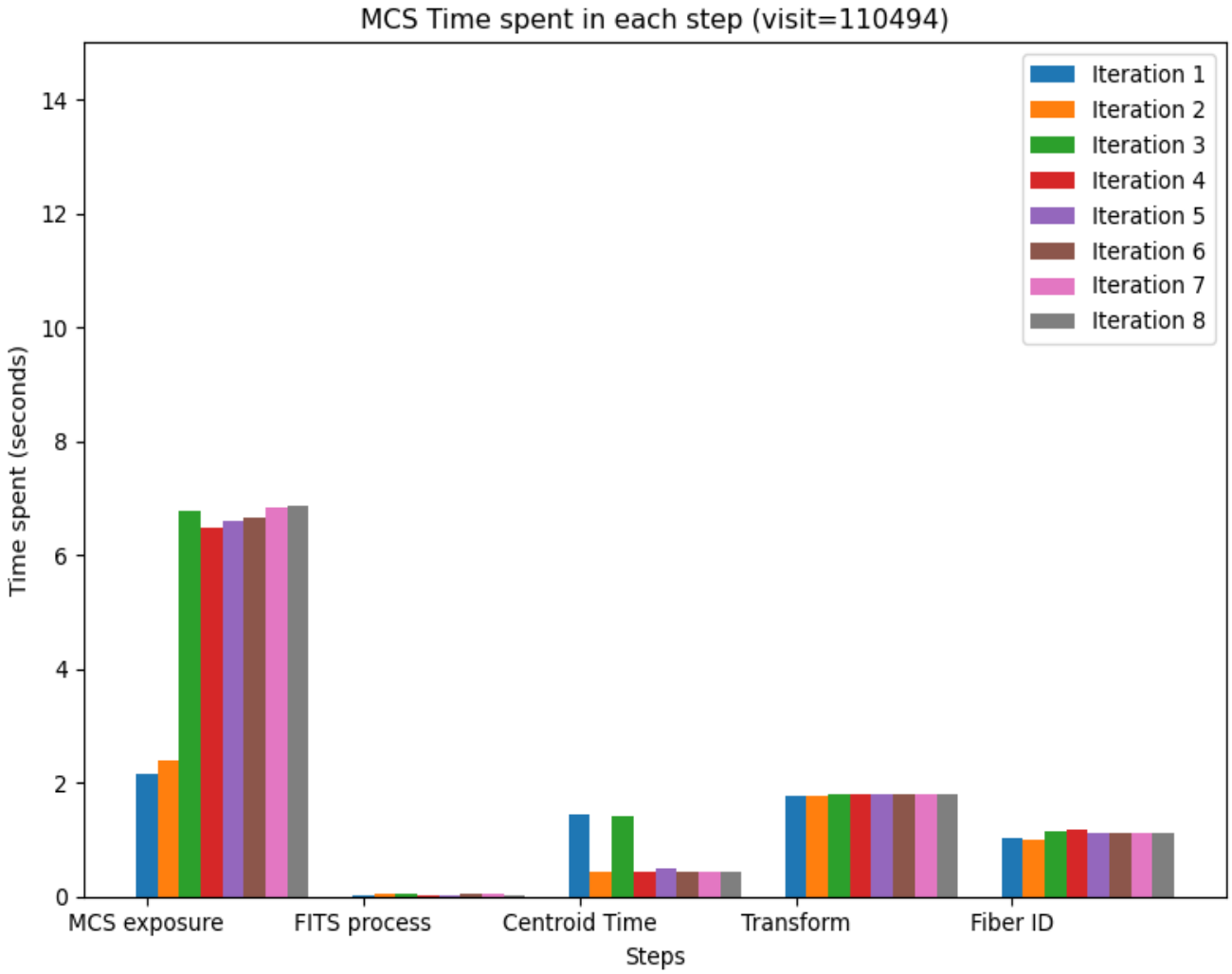

MCS Time spent in each step (visit=110484)
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

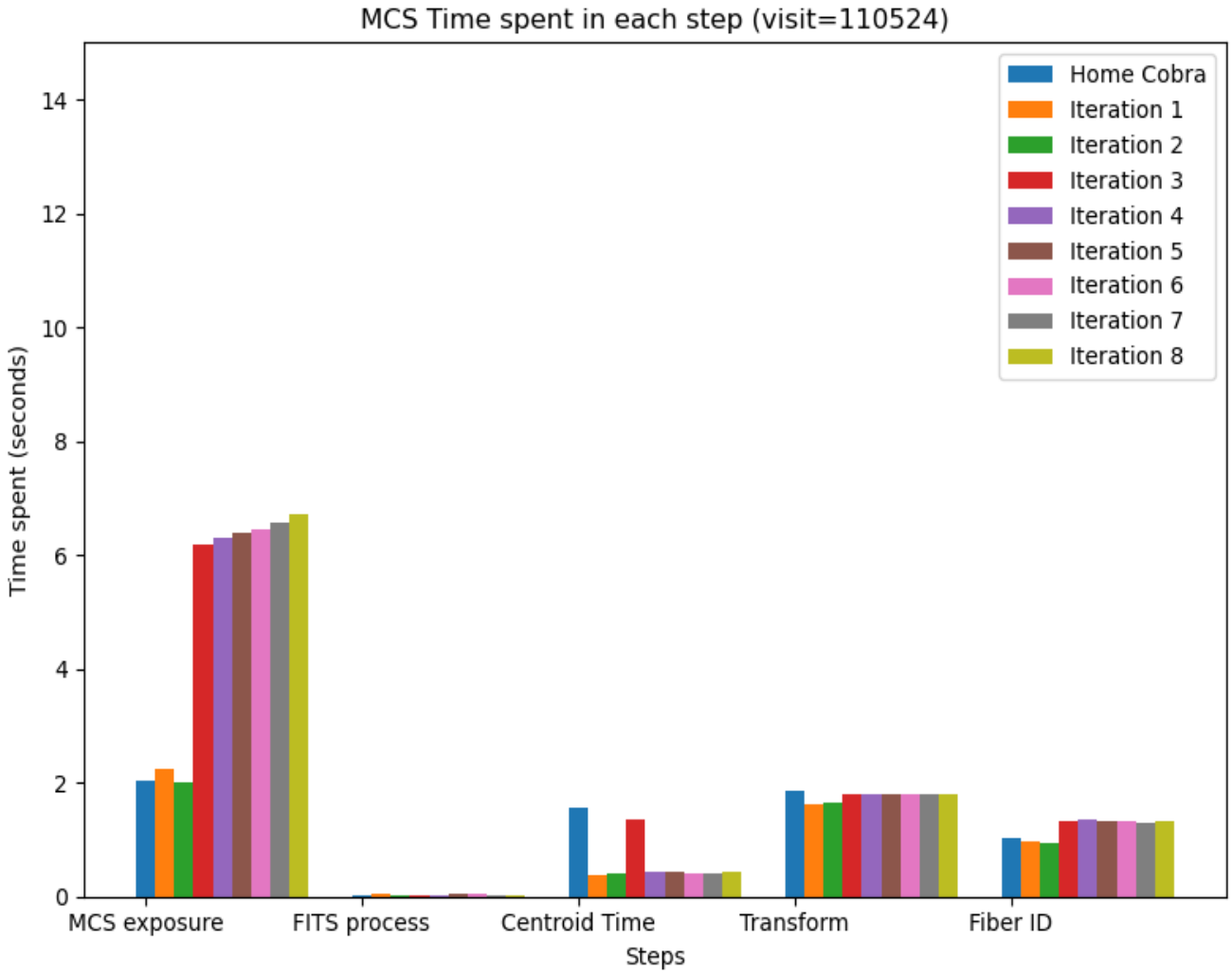

MCS Time spent in each step (visit=110486)
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

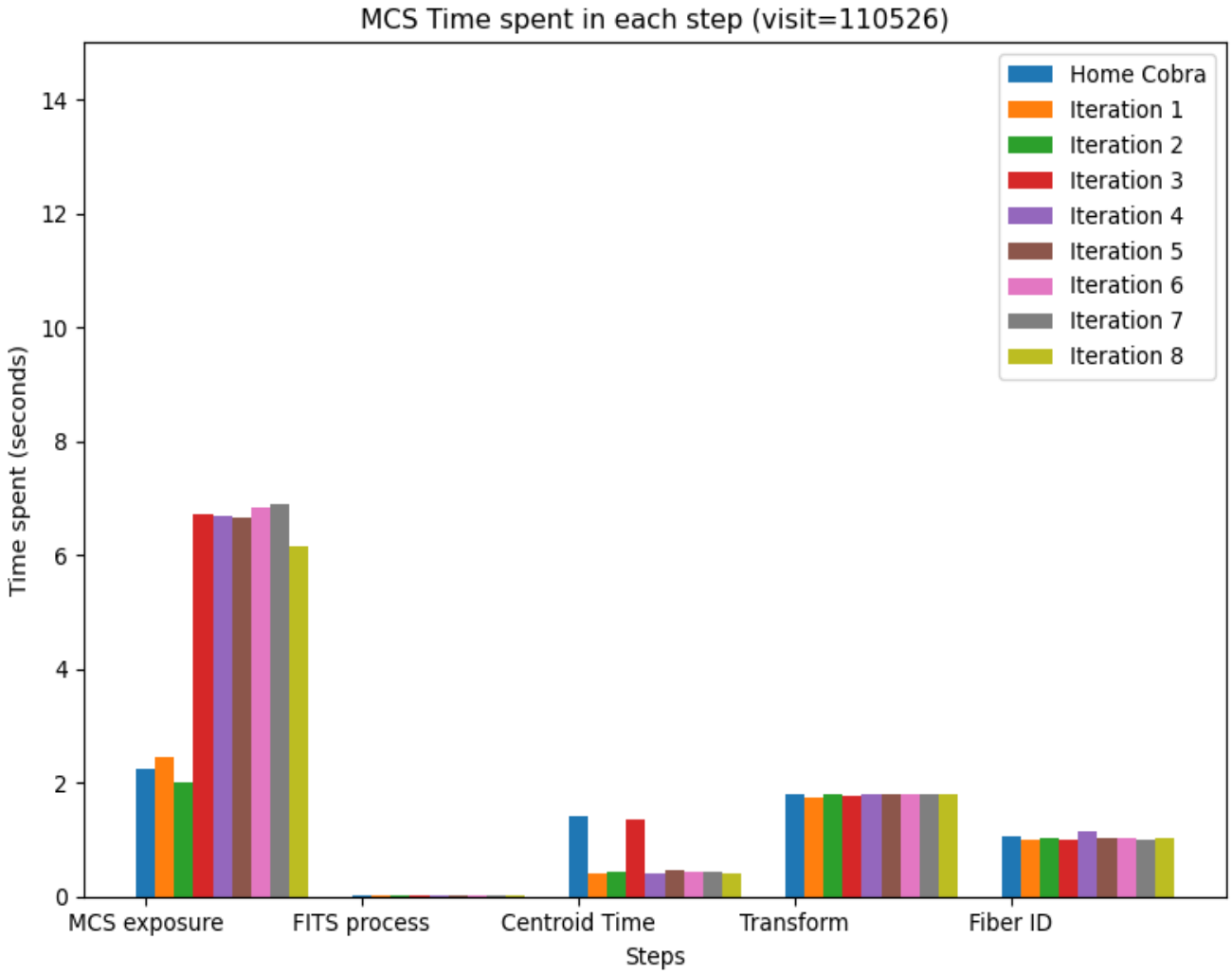

MCS Time spent in each step (visit=110488)
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

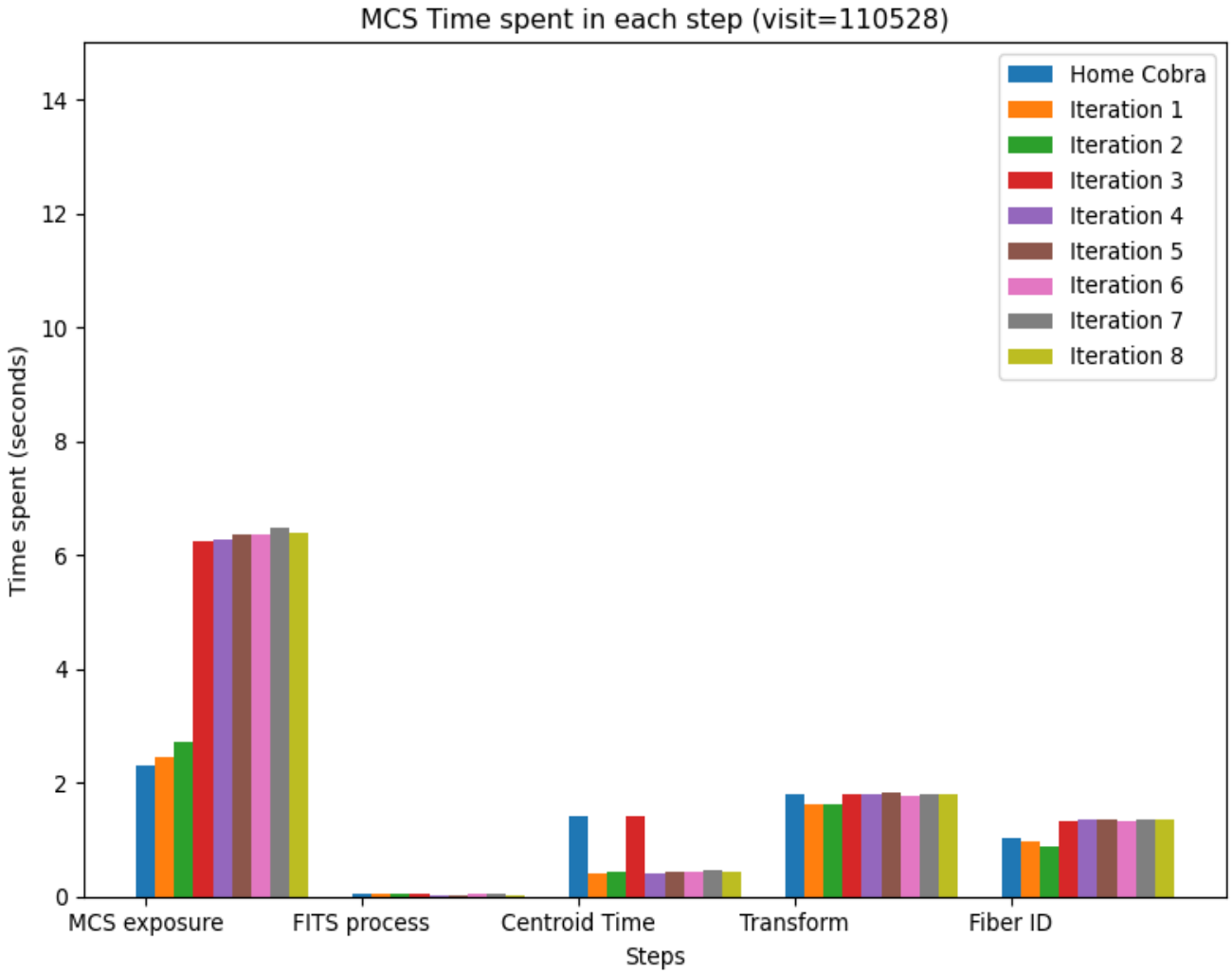

MCS Time spent in each step (visit=110490)
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

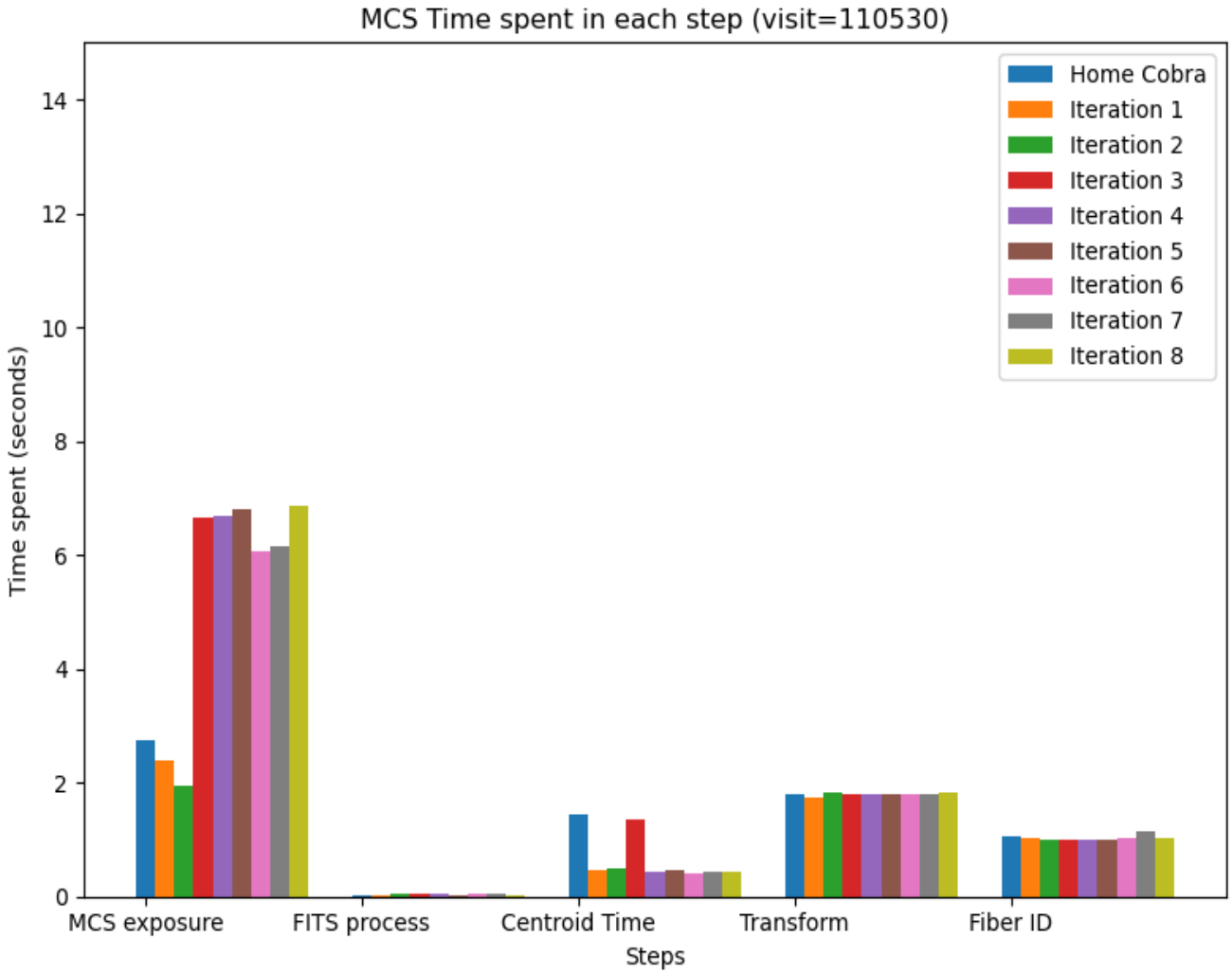

MCS Time spent in each step (visit=110492)
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

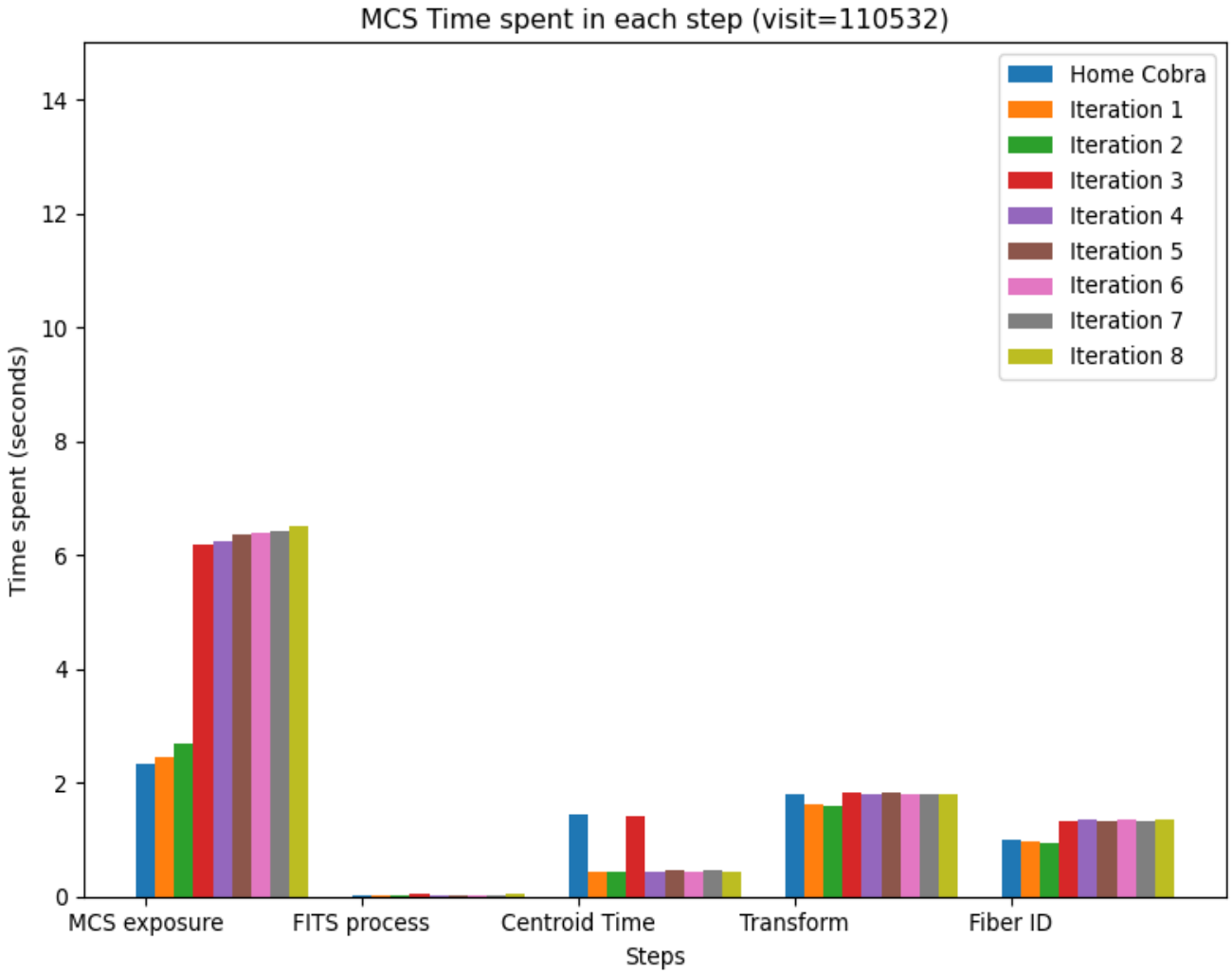

MCS Time spent in each step (visit=110494)
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

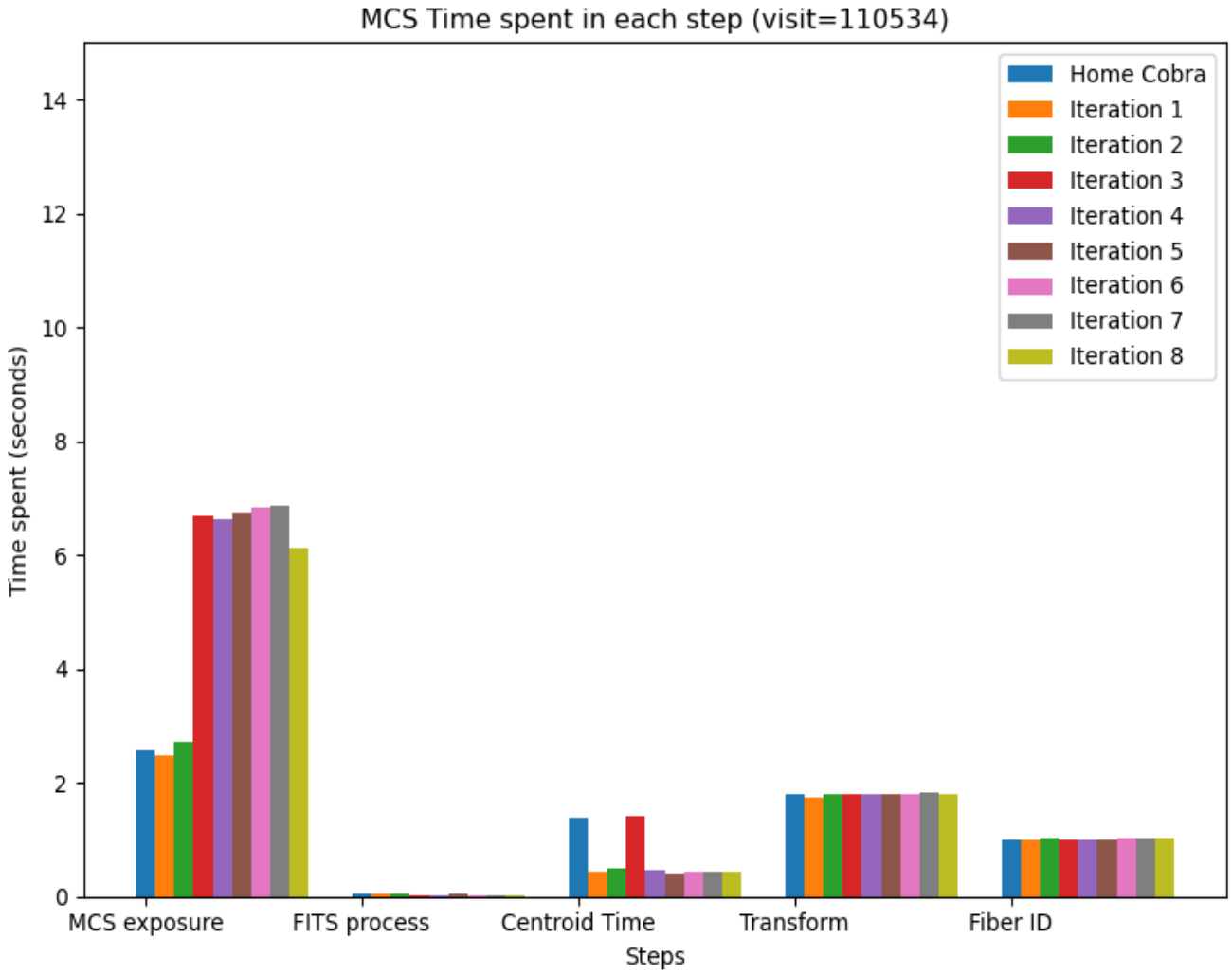

MCS Time spent in each step (visit=110524)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

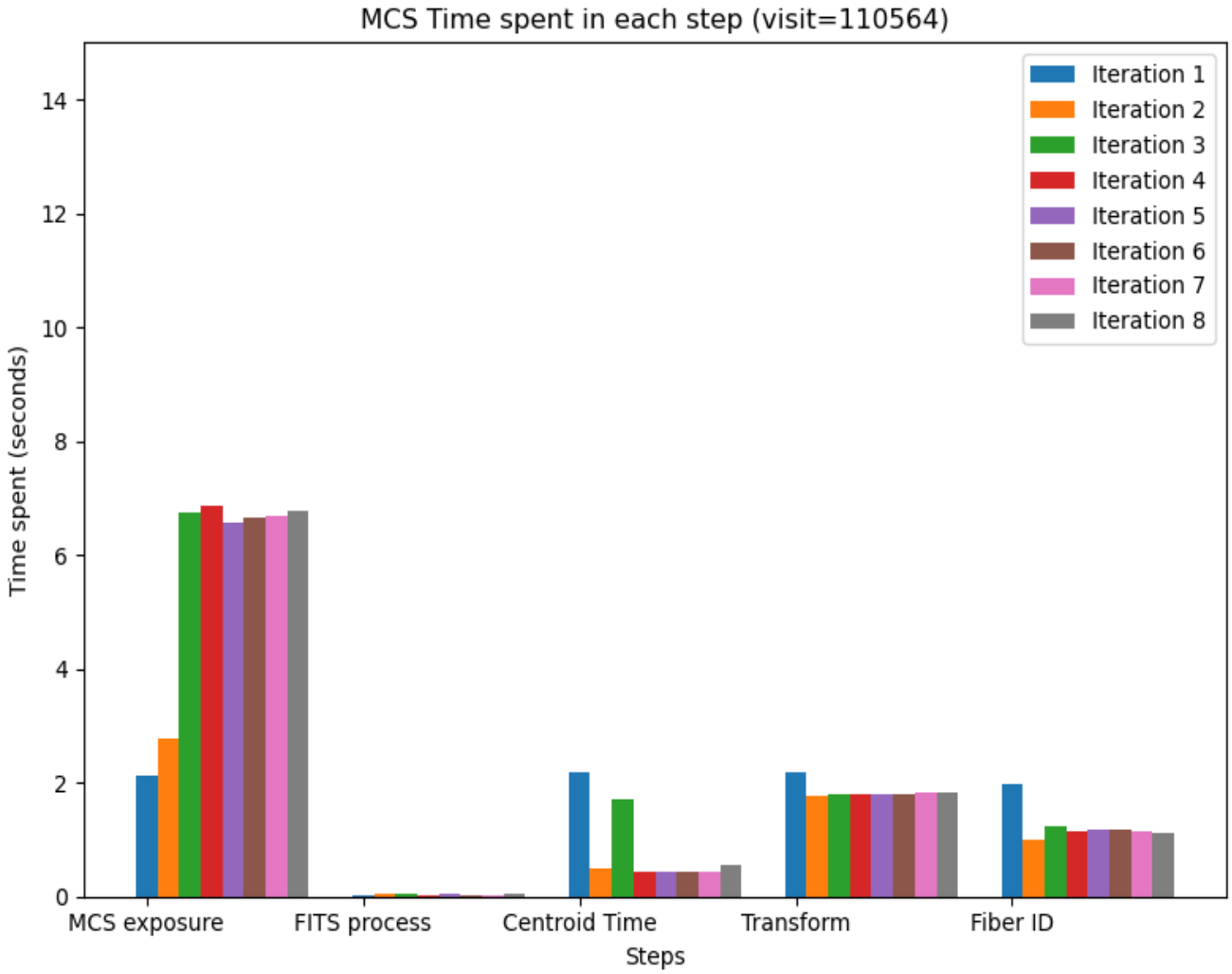

MCS Time spent in each step (visit=110526)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

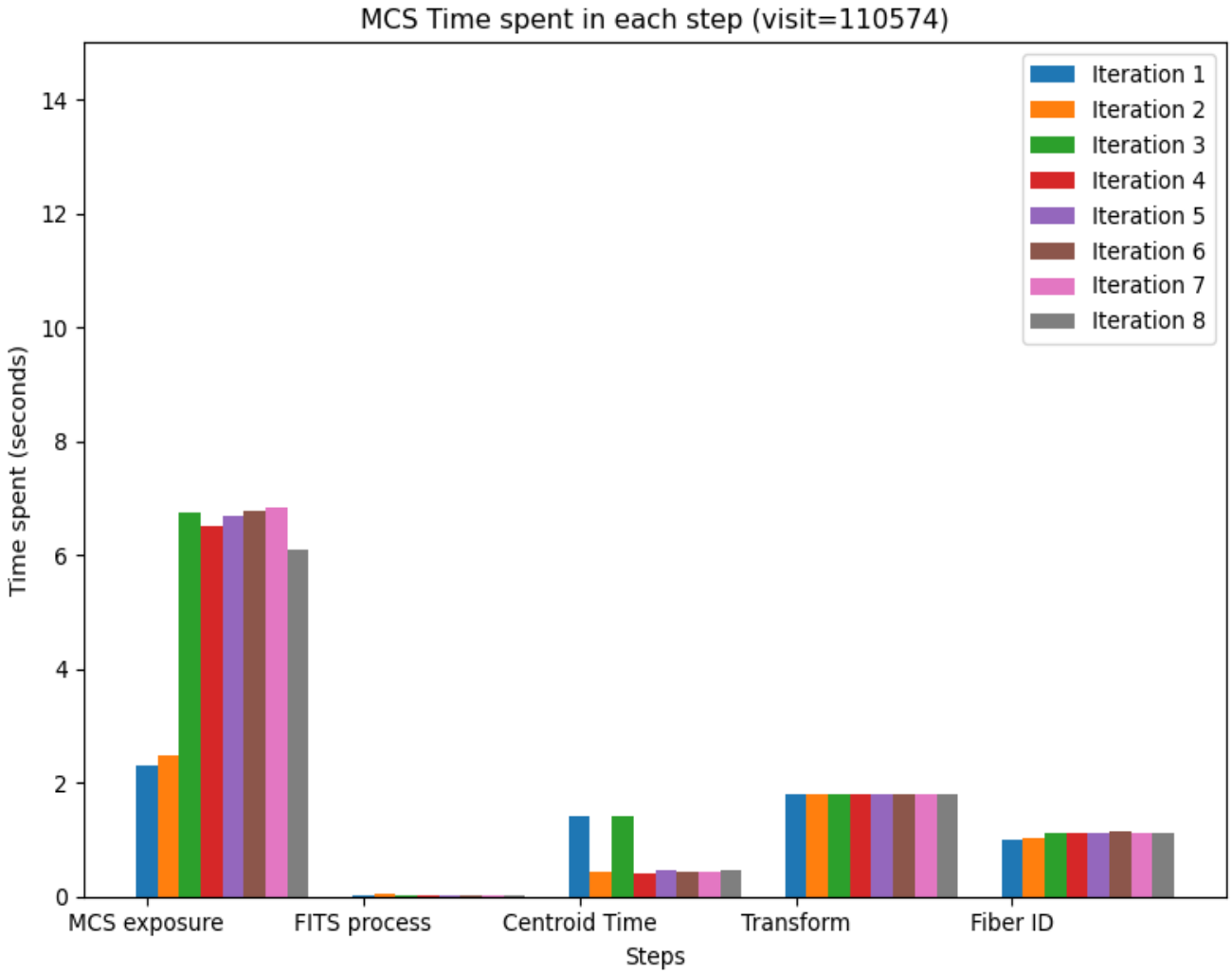

MCS Time spent in each step (visit=110528)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

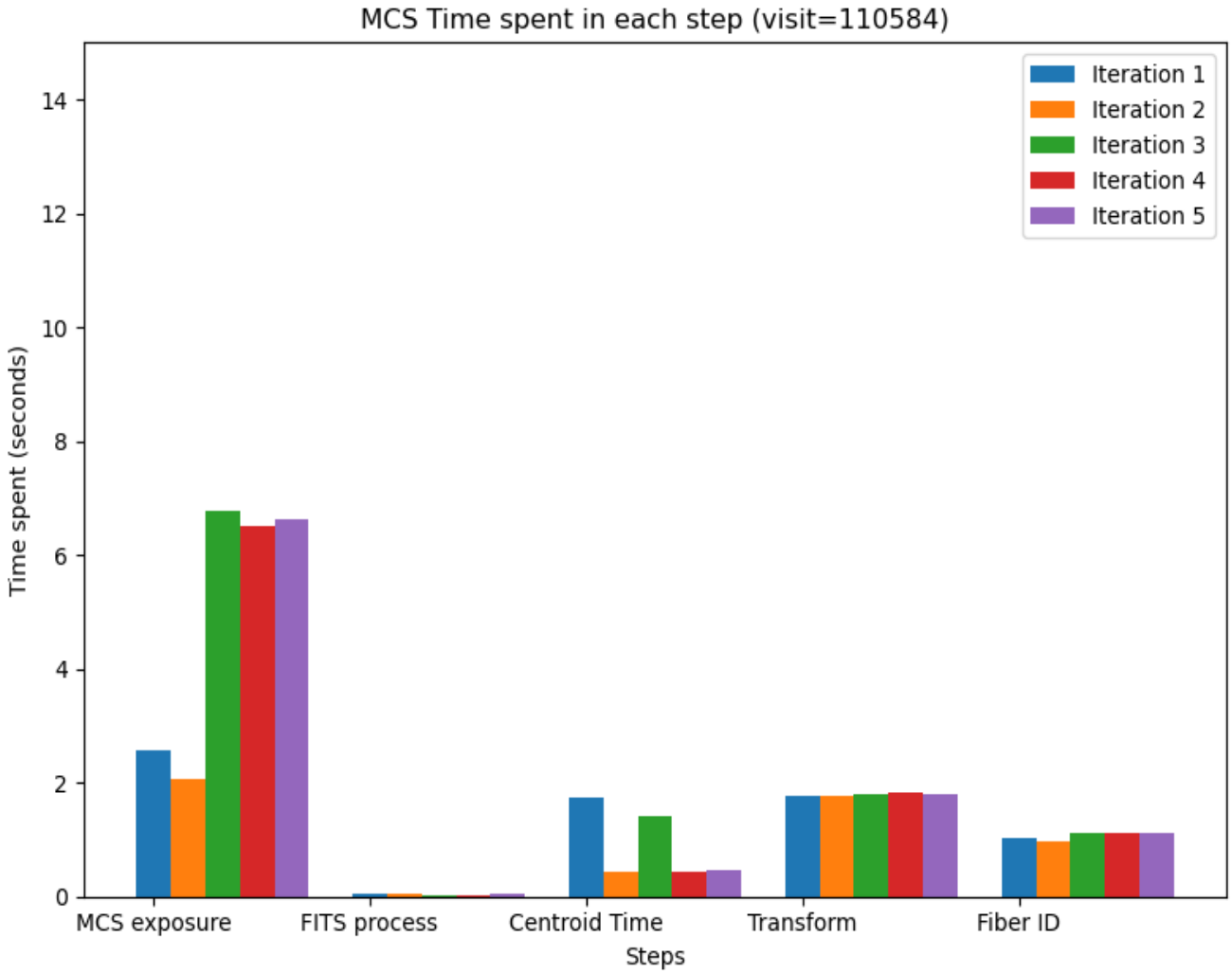

MCS Time spent in each step (visit=110530)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

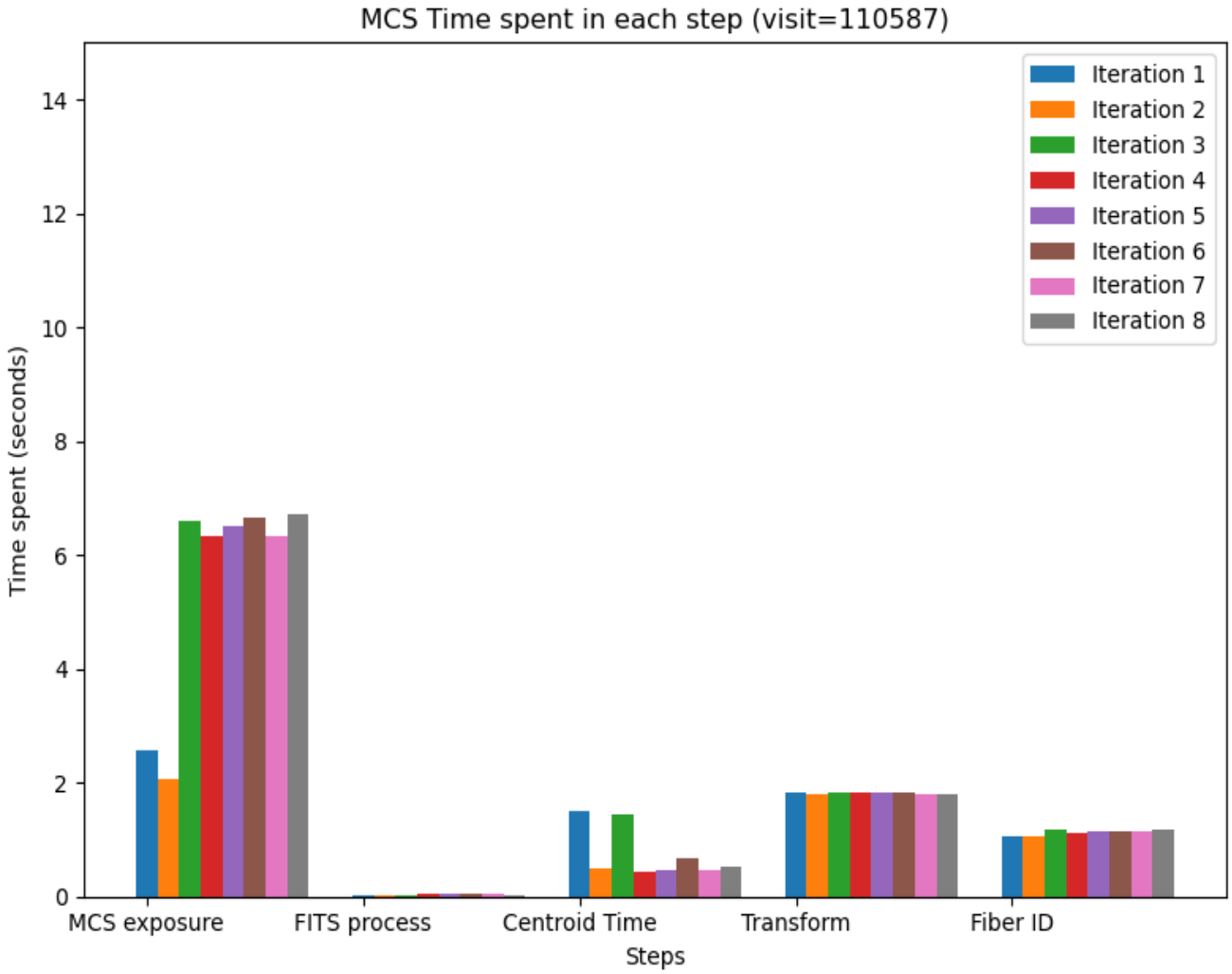

MCS Time spent in each step (visit=110532)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

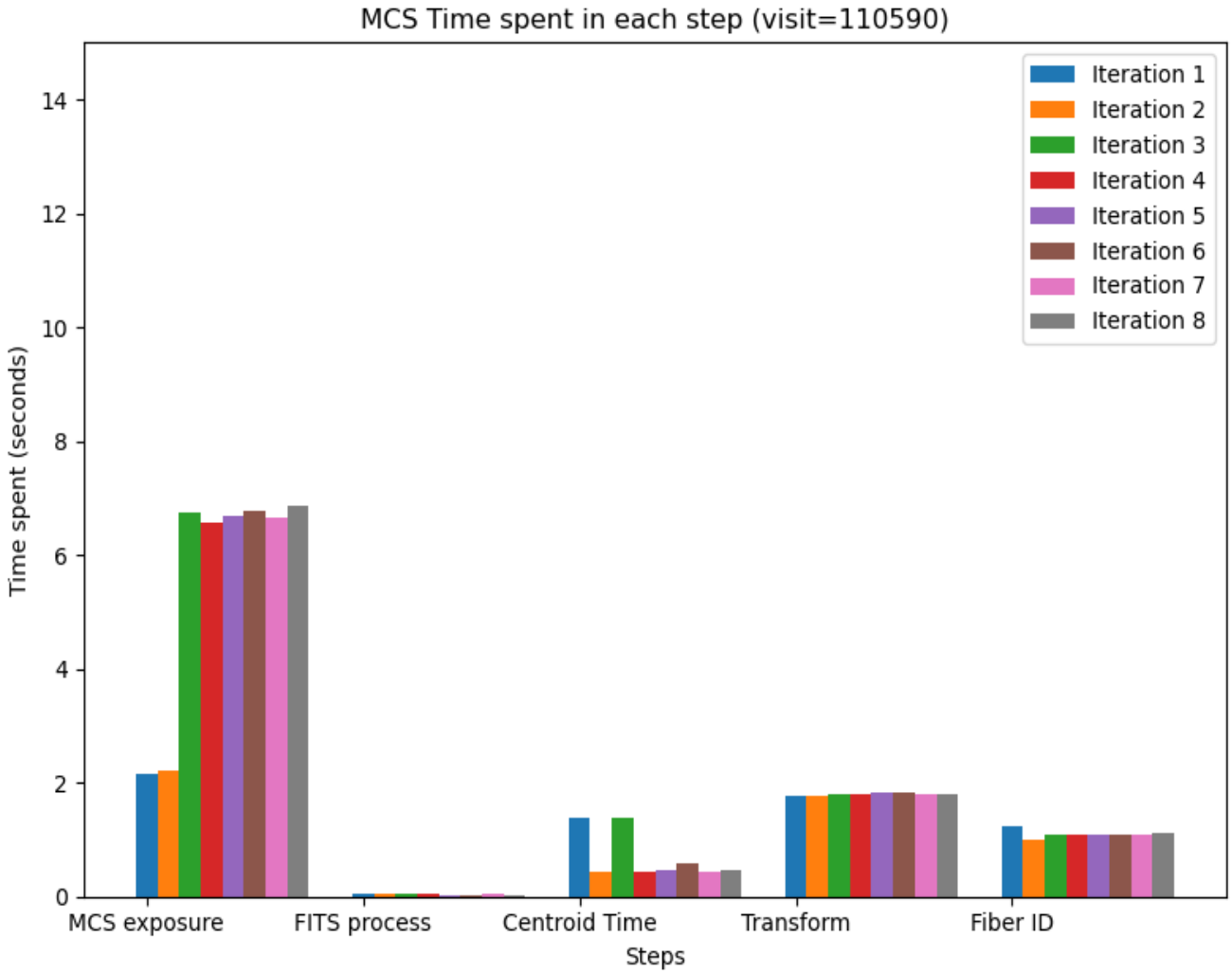

MCS Time spent in each step (visit=110534)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

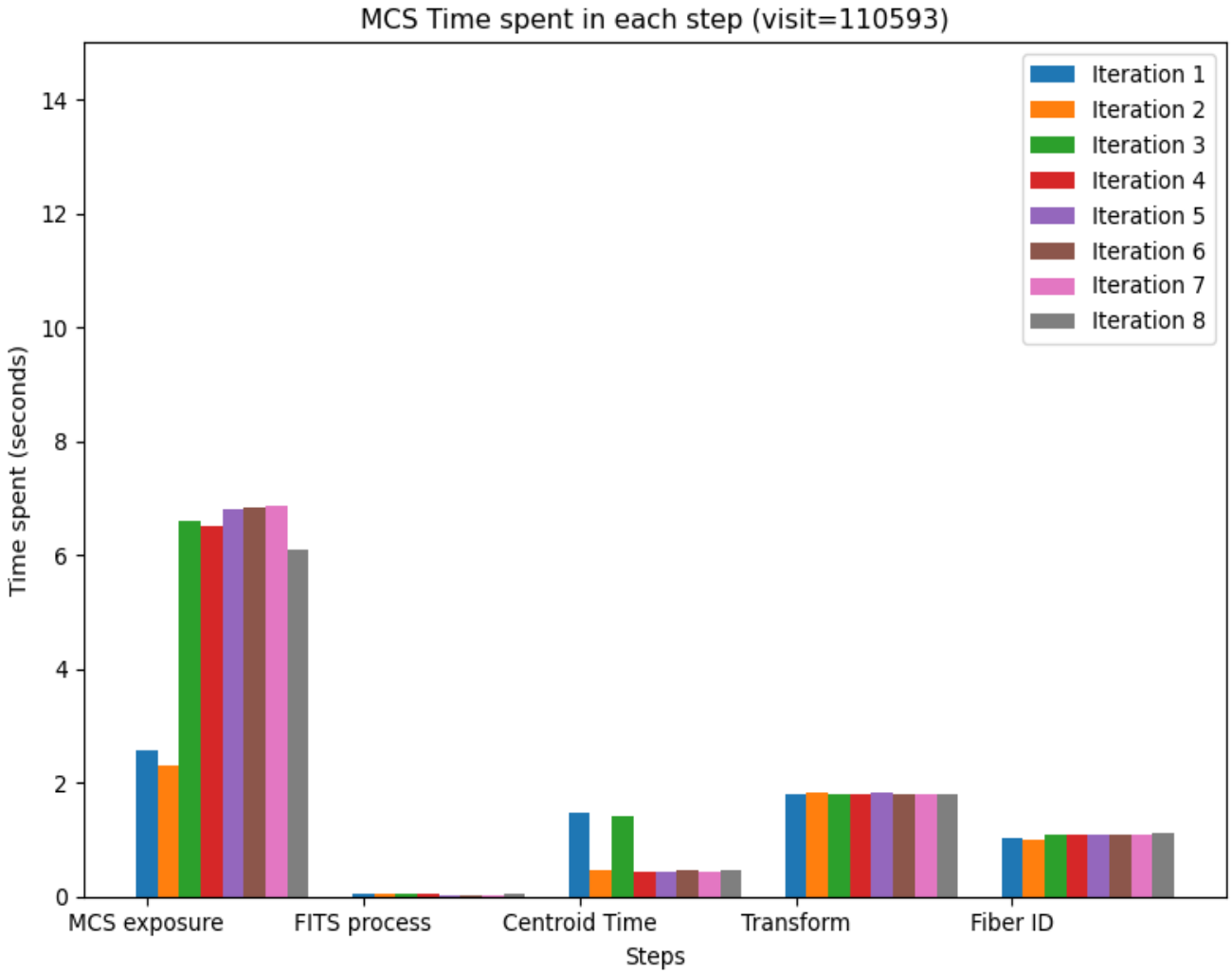

MCS Time spent in each step (visit=110564)
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

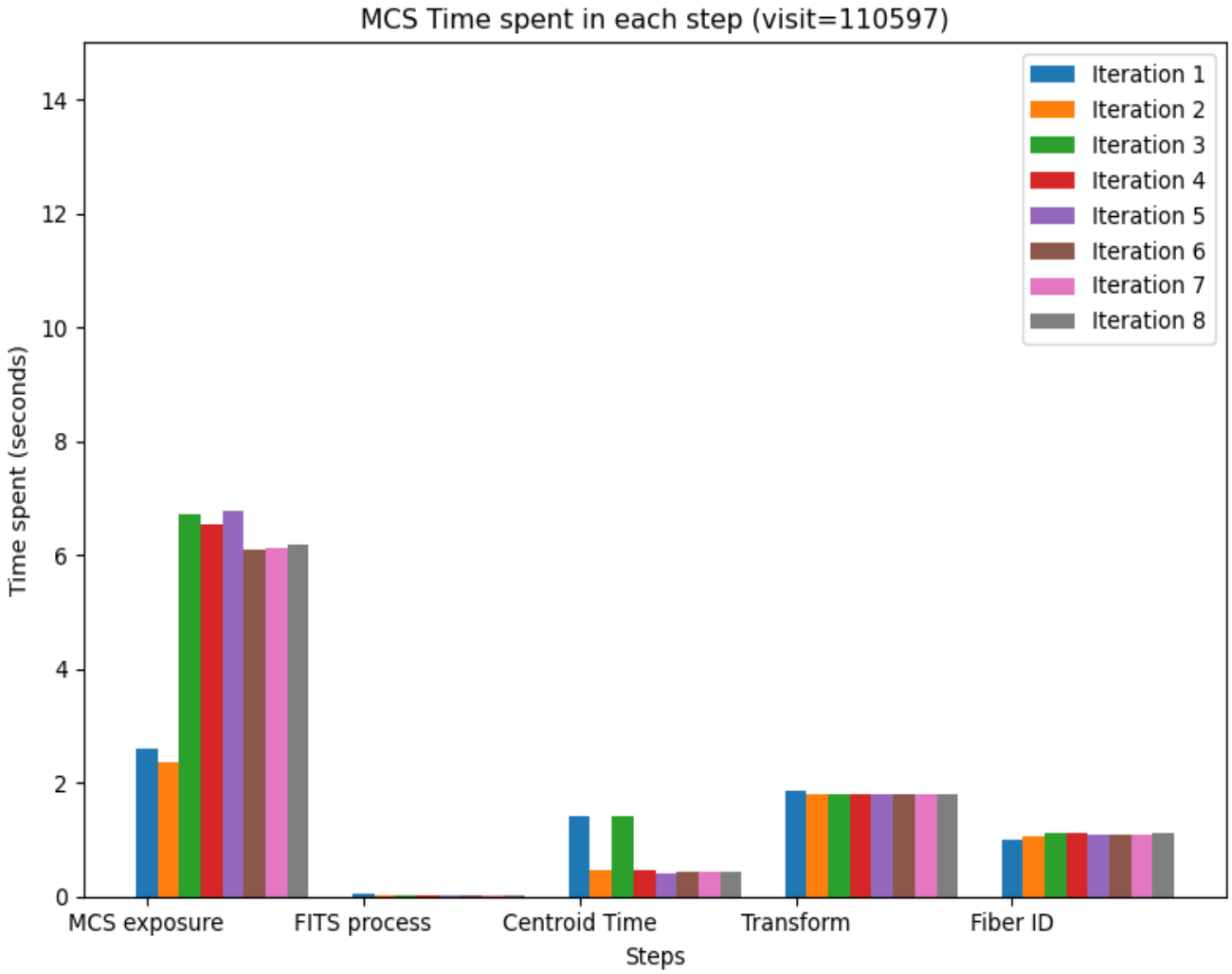

MCS Time spent in each step (visit=110574)
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

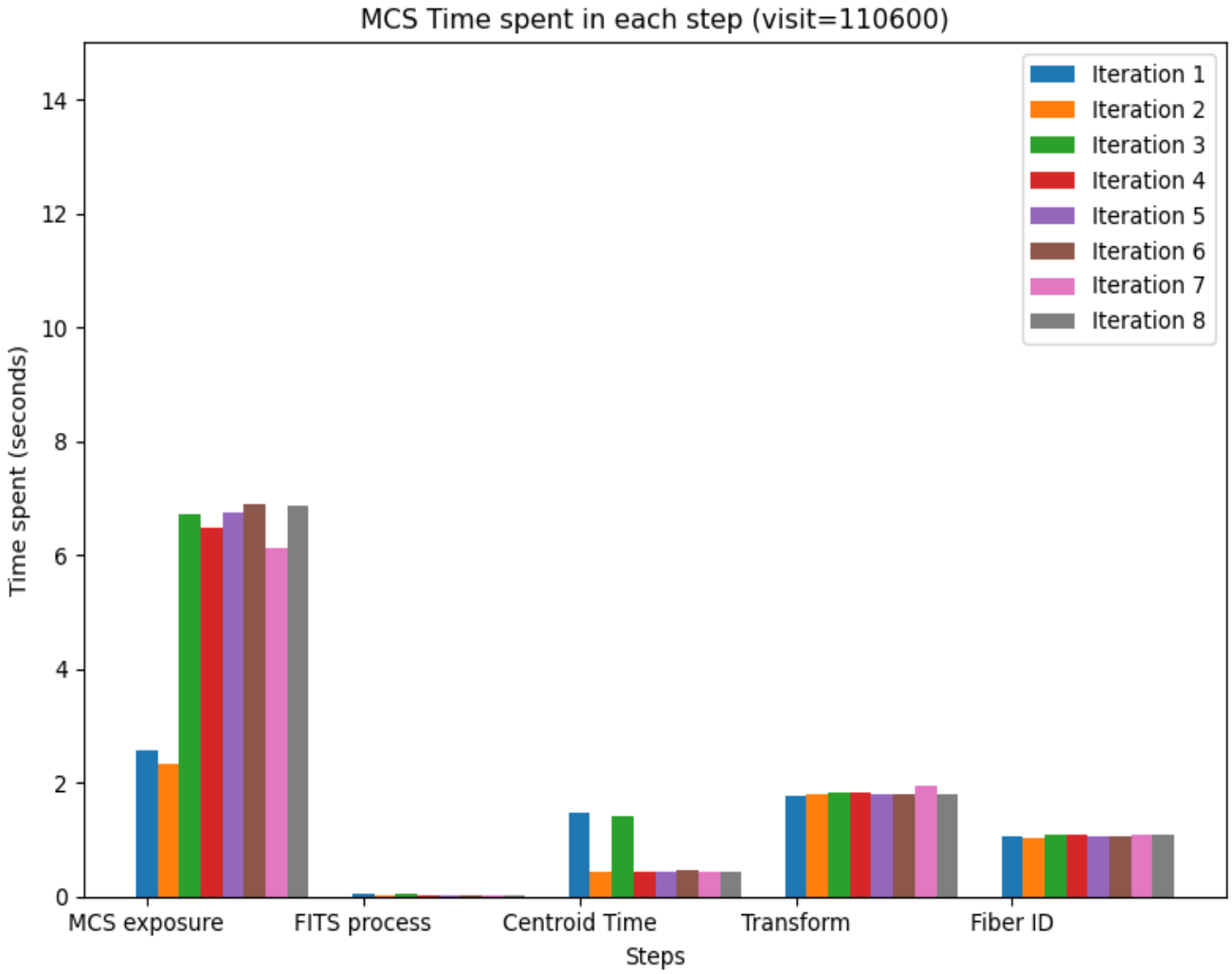

MCS Time spent in each step (visit=110584)
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

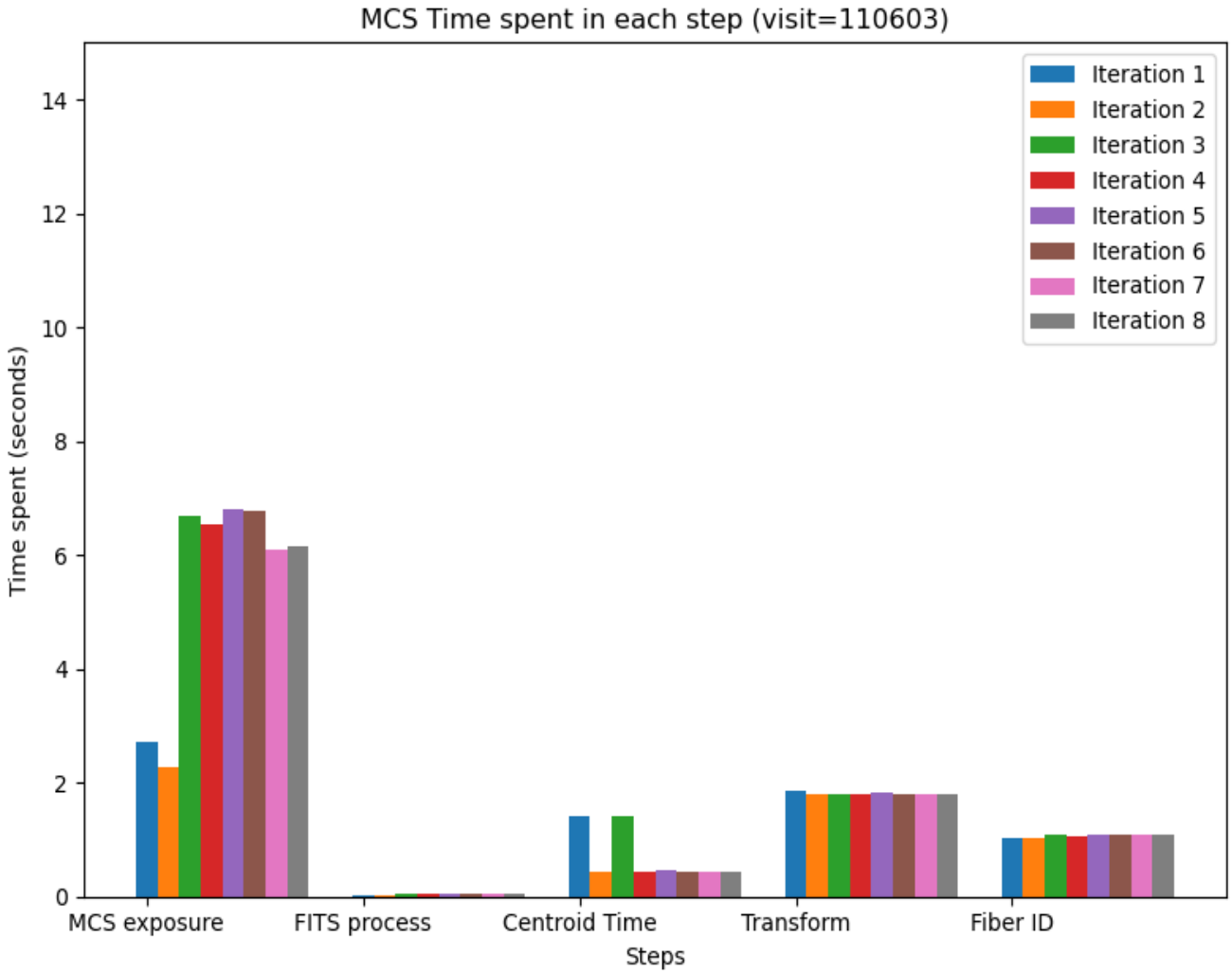

MCS Time spent in each step (visit=110587)
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

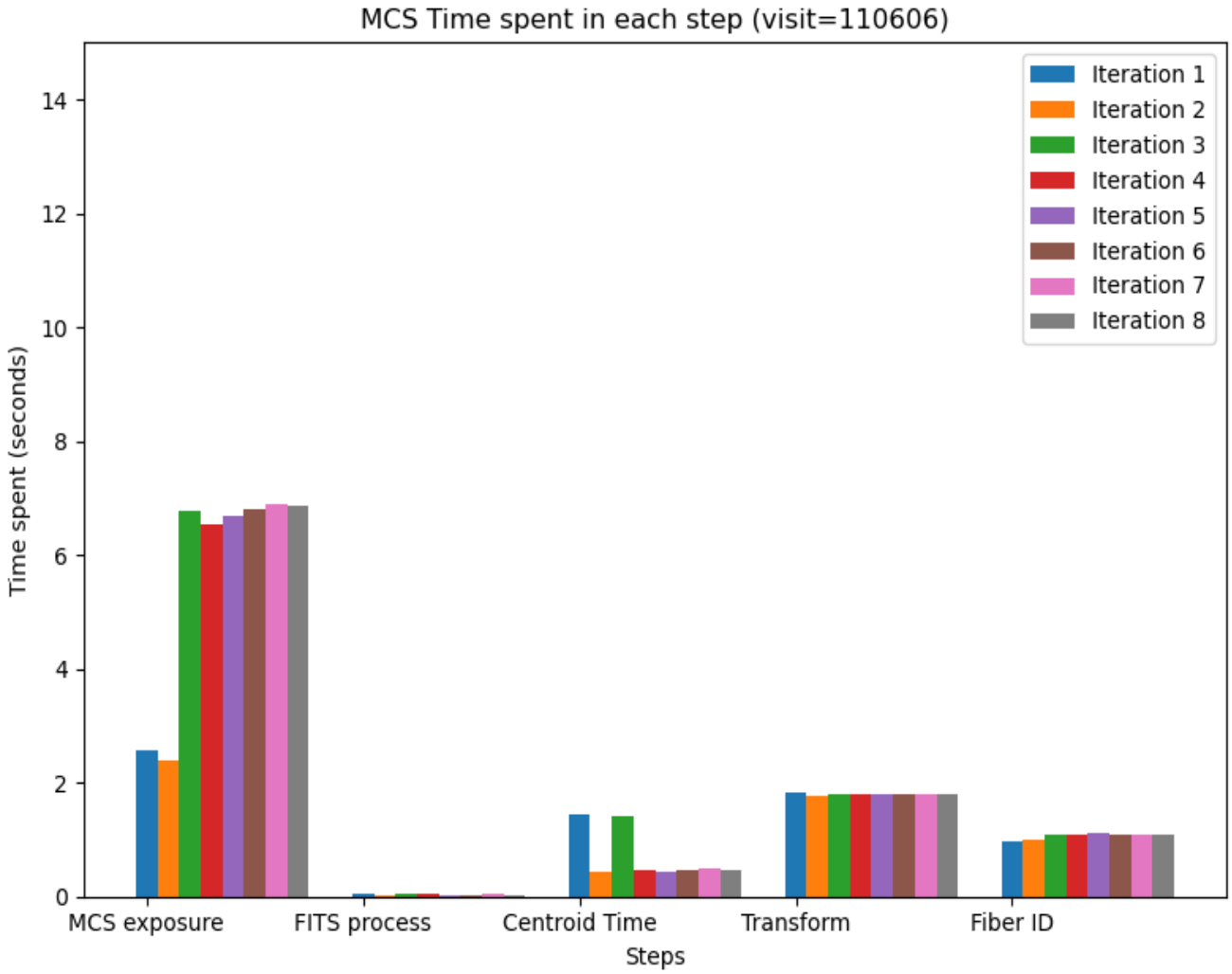

MCS Time spent in each step (visit=110590)
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

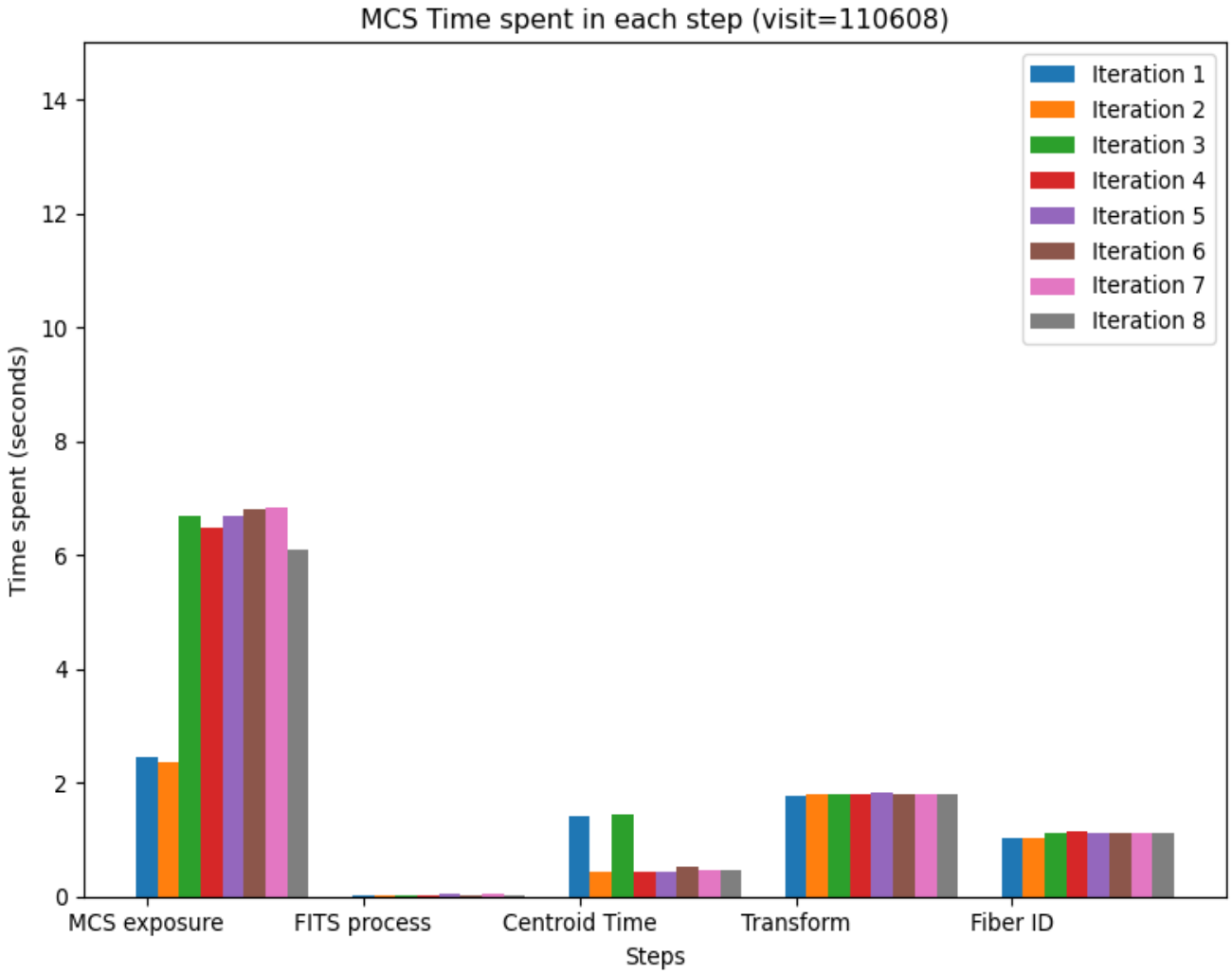

MCS Time spent in each step (visit=110593)
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

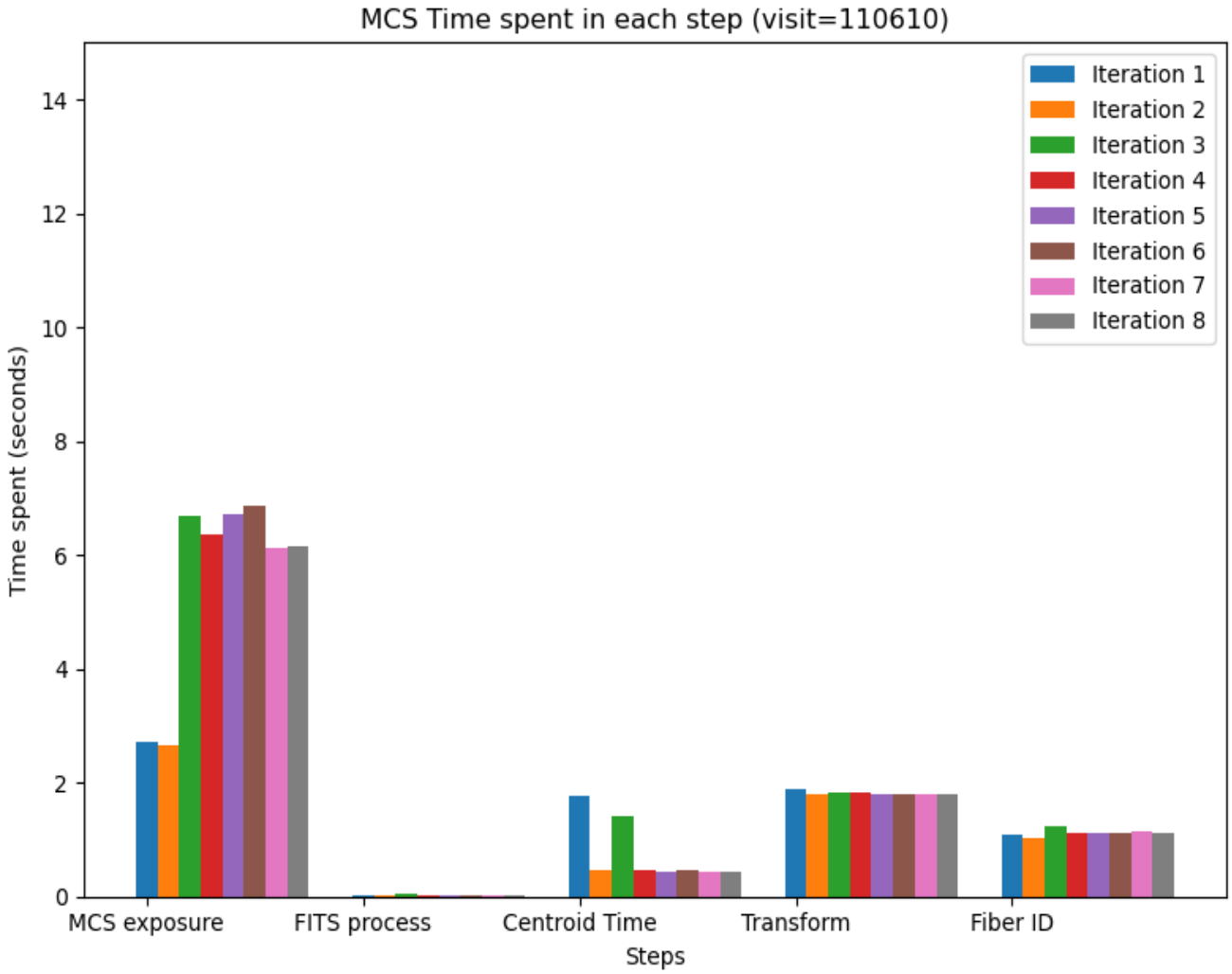

MCS Time spent in each step (visit=110597)
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

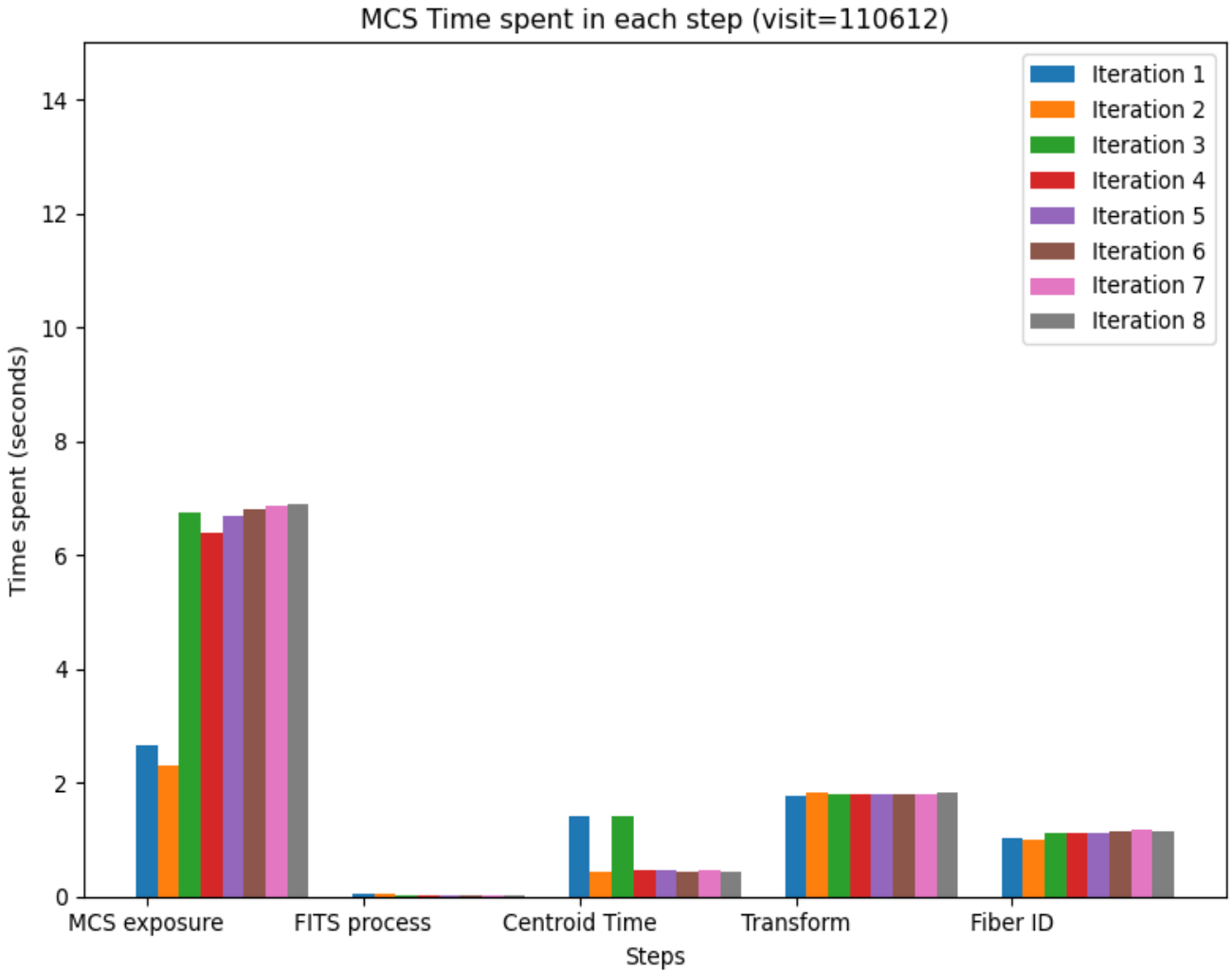

MCS Time spent in each step (visit=110600)
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

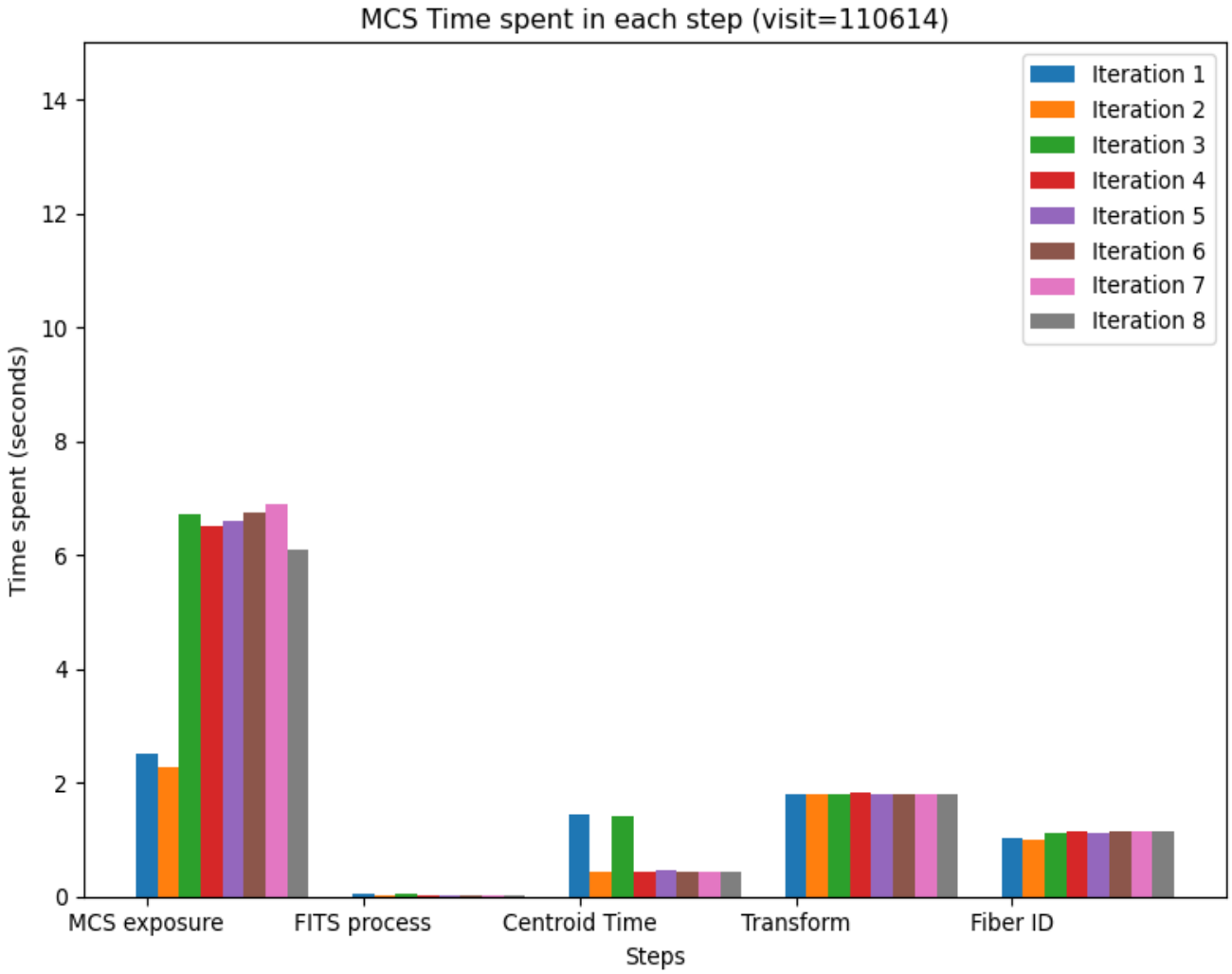

MCS Time spent in each step (visit=110603)
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

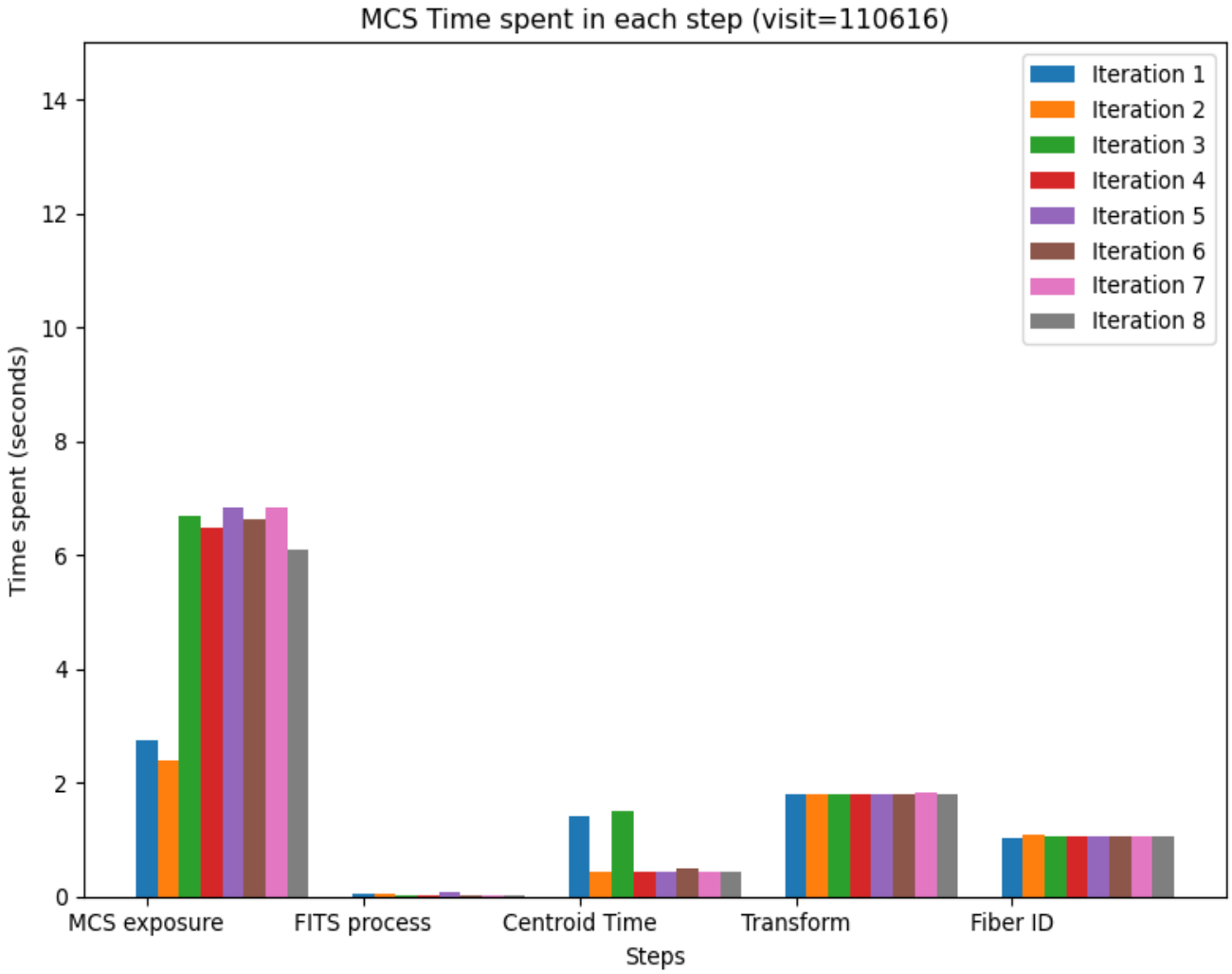

MCS Time spent in each step (visit=110606)
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

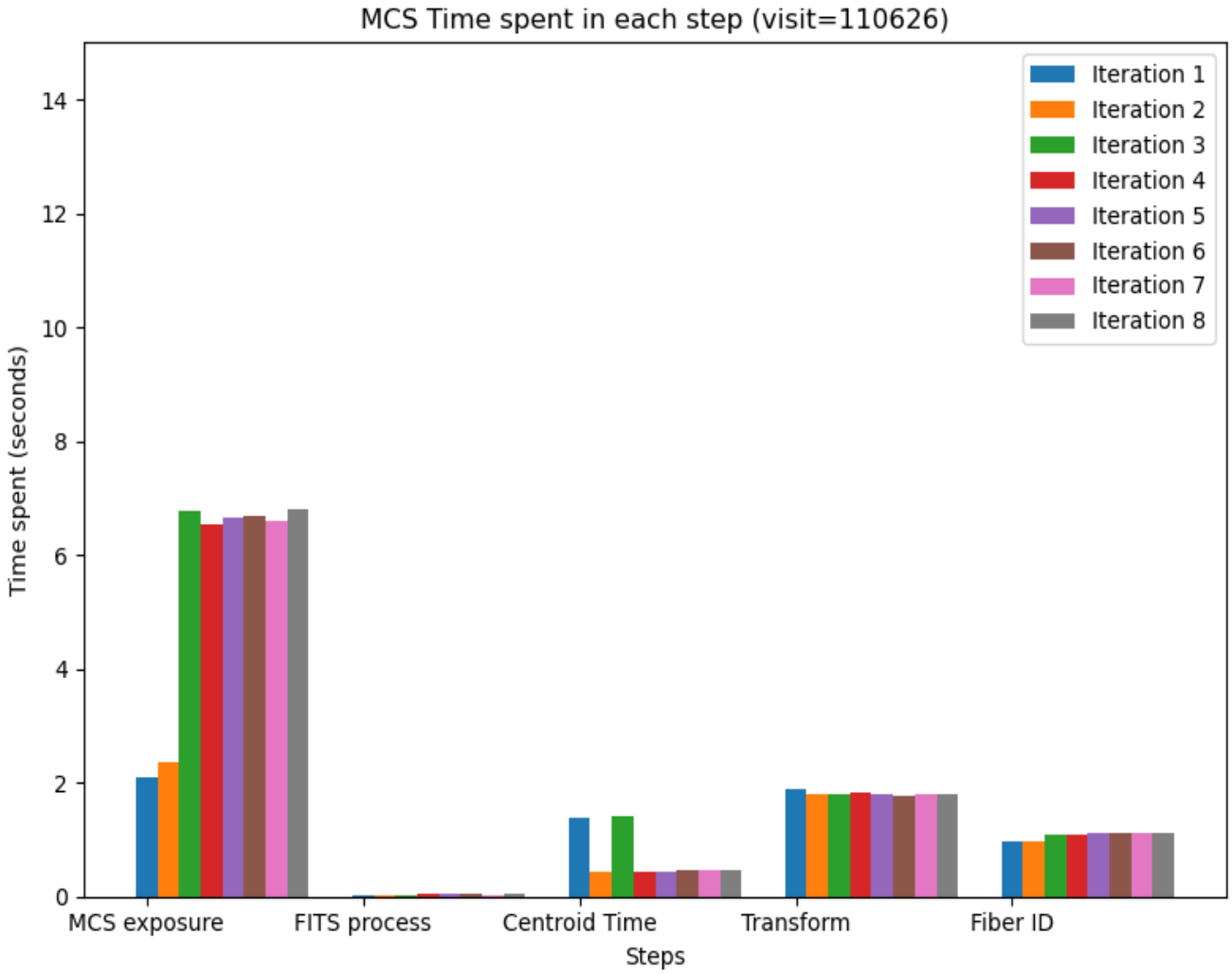

MCS Time spent in each step (visit=110608)
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

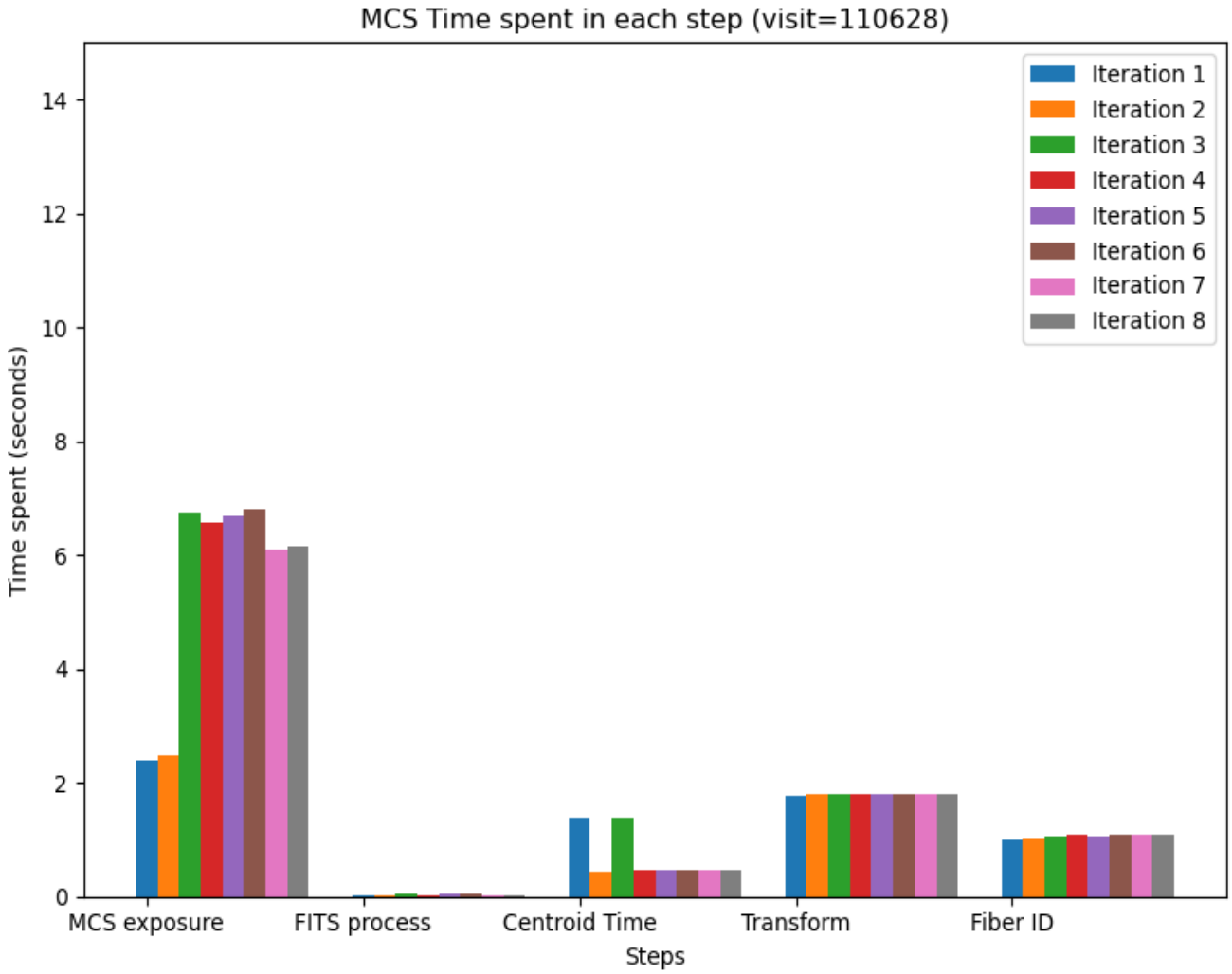

MCS Time spent in each step (visit=110610)
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

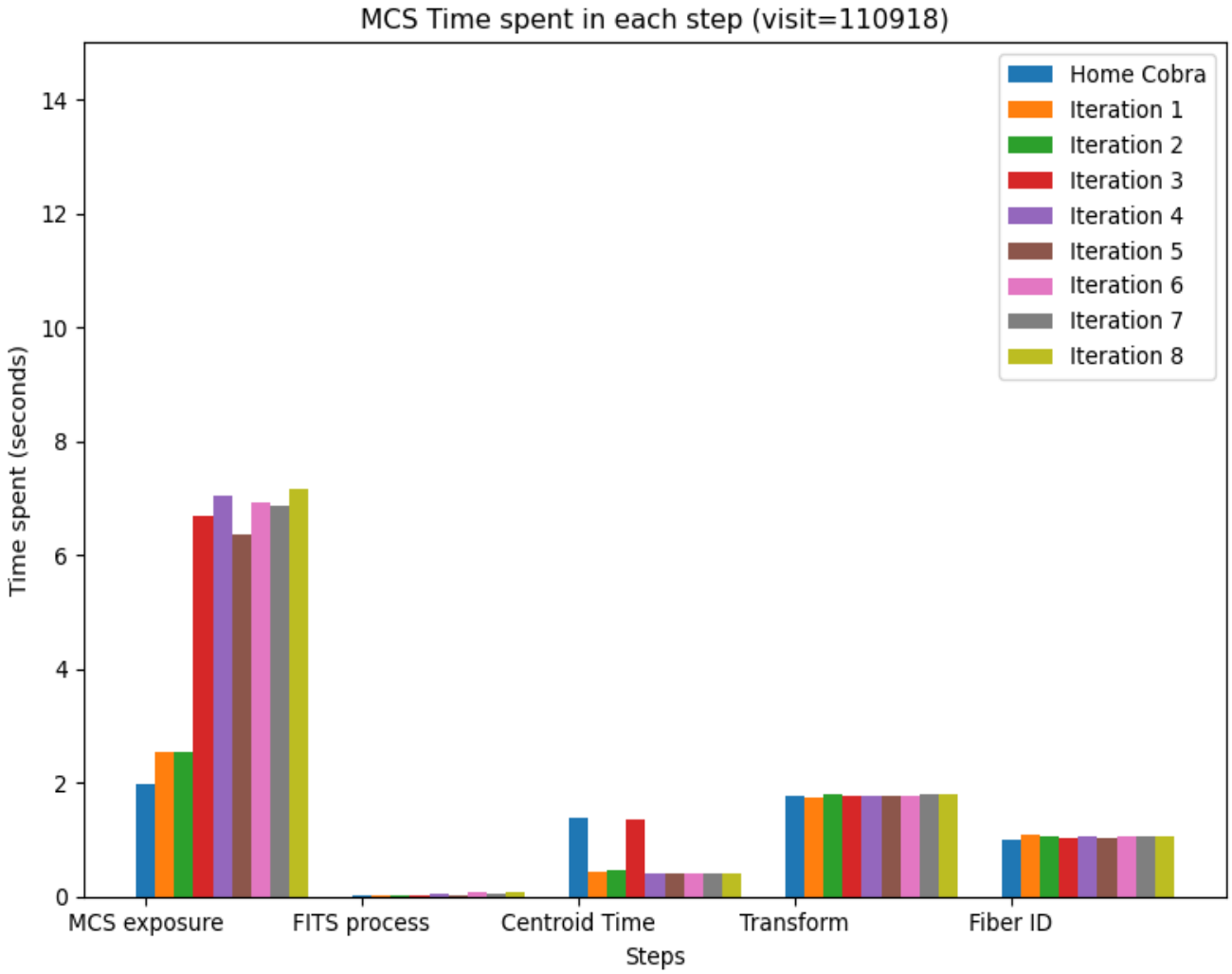

MCS Time spent in each step (visit=110612)
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

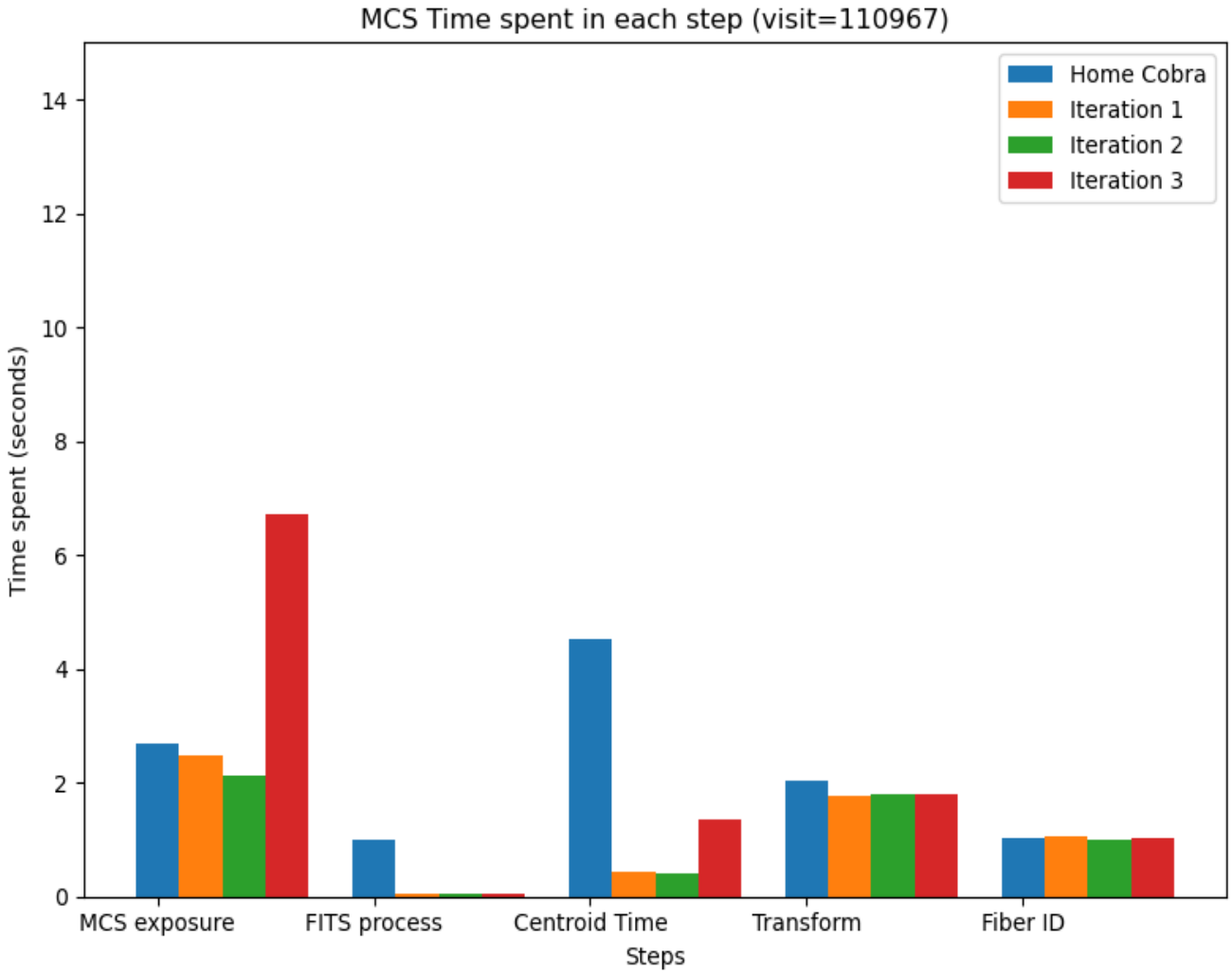

MCS Time spent in each step (visit=110614)
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

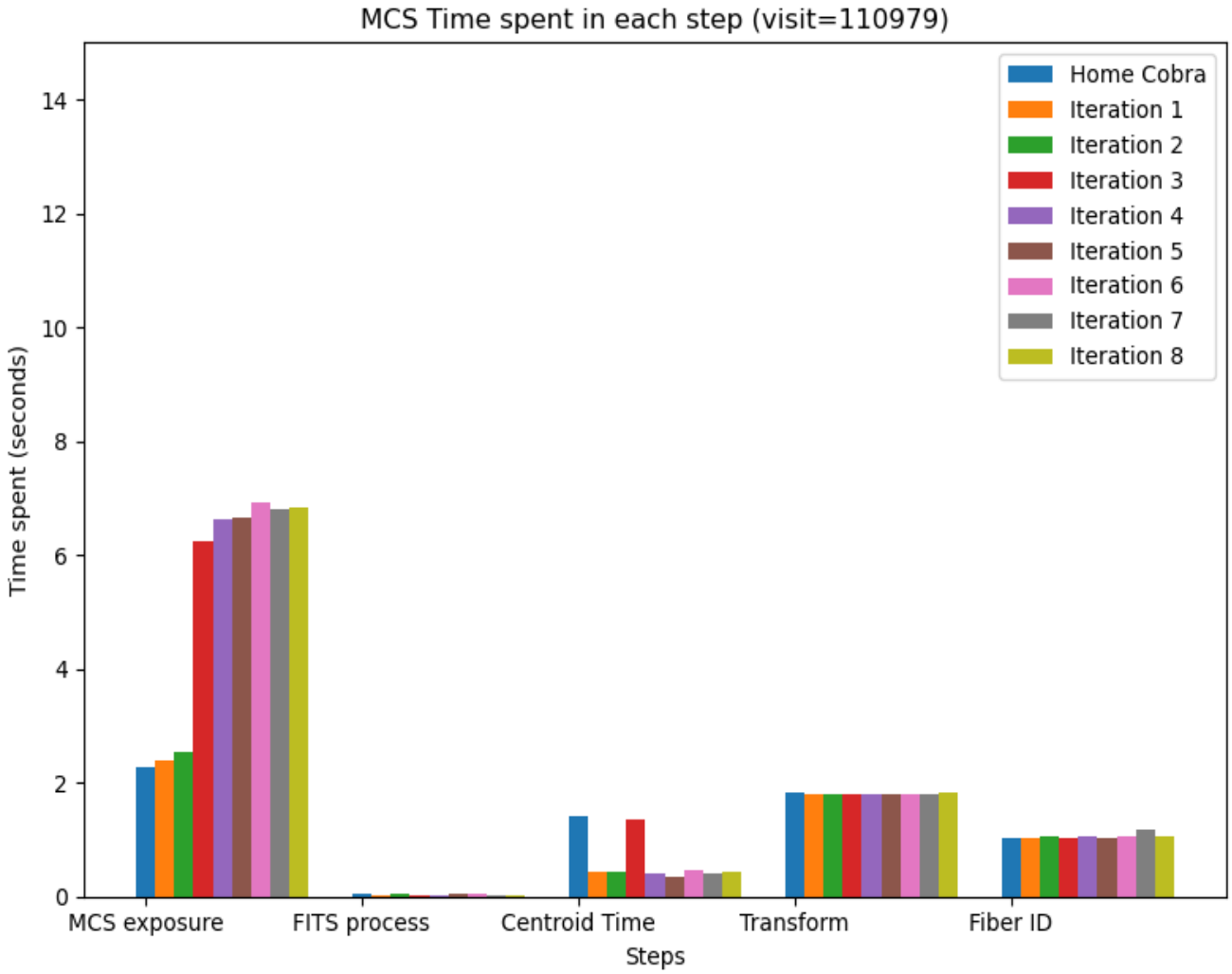

MCS Time spent in each step (visit=110616)
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

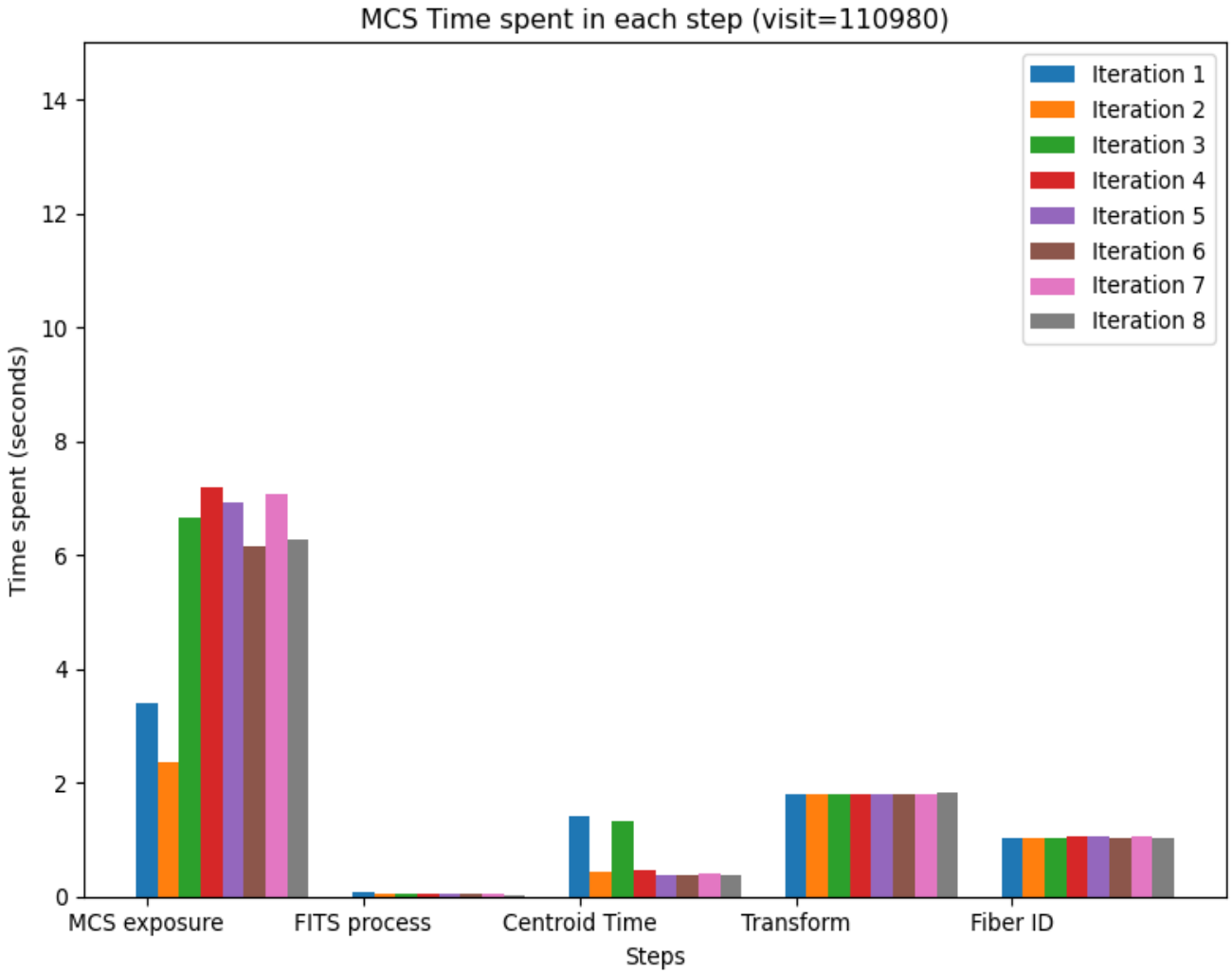

MCS Time spent in each step (visit=110626)
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

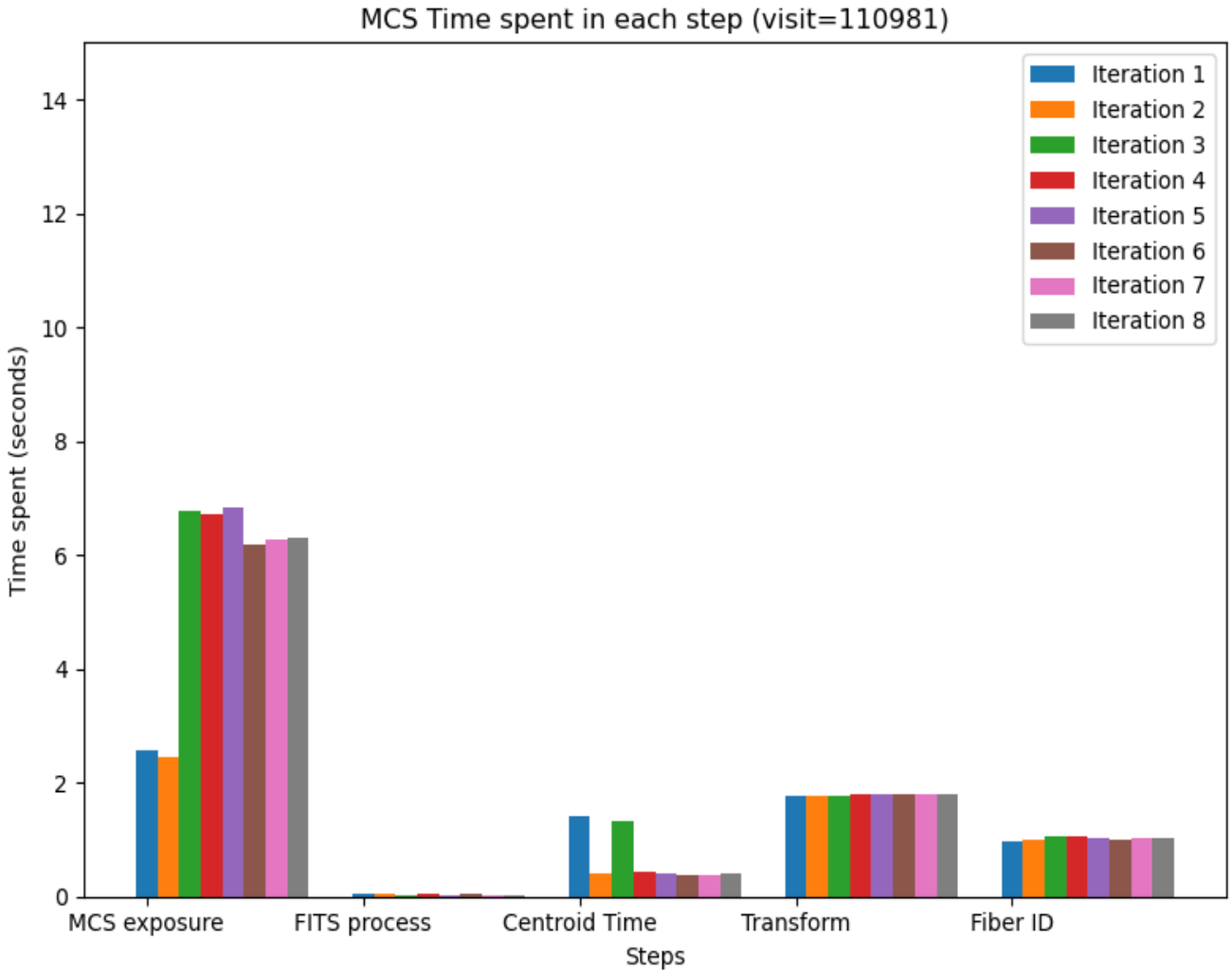

MCS Time spent in each step (visit=110628)
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

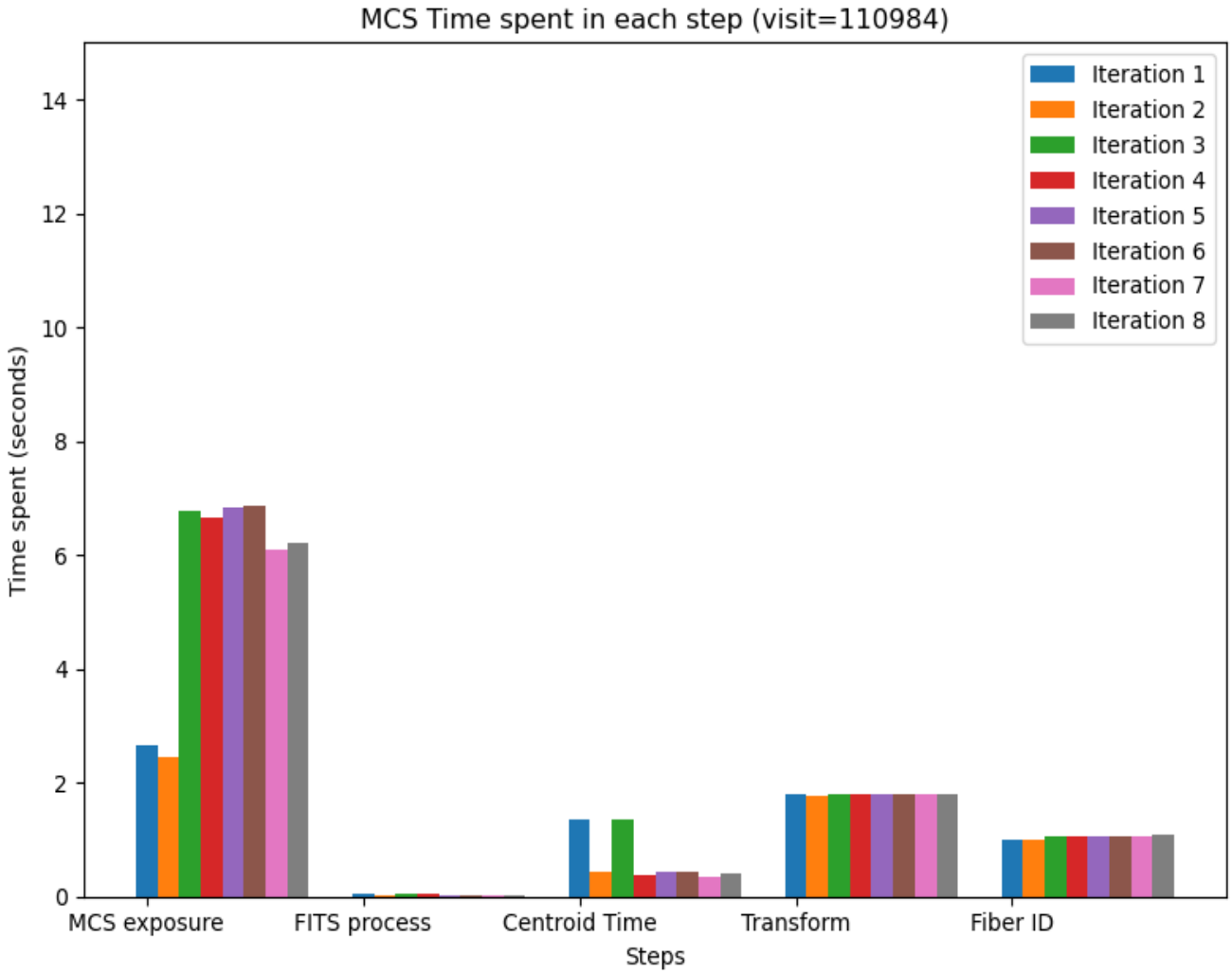

MCS Time spent in each step (visit=110918)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

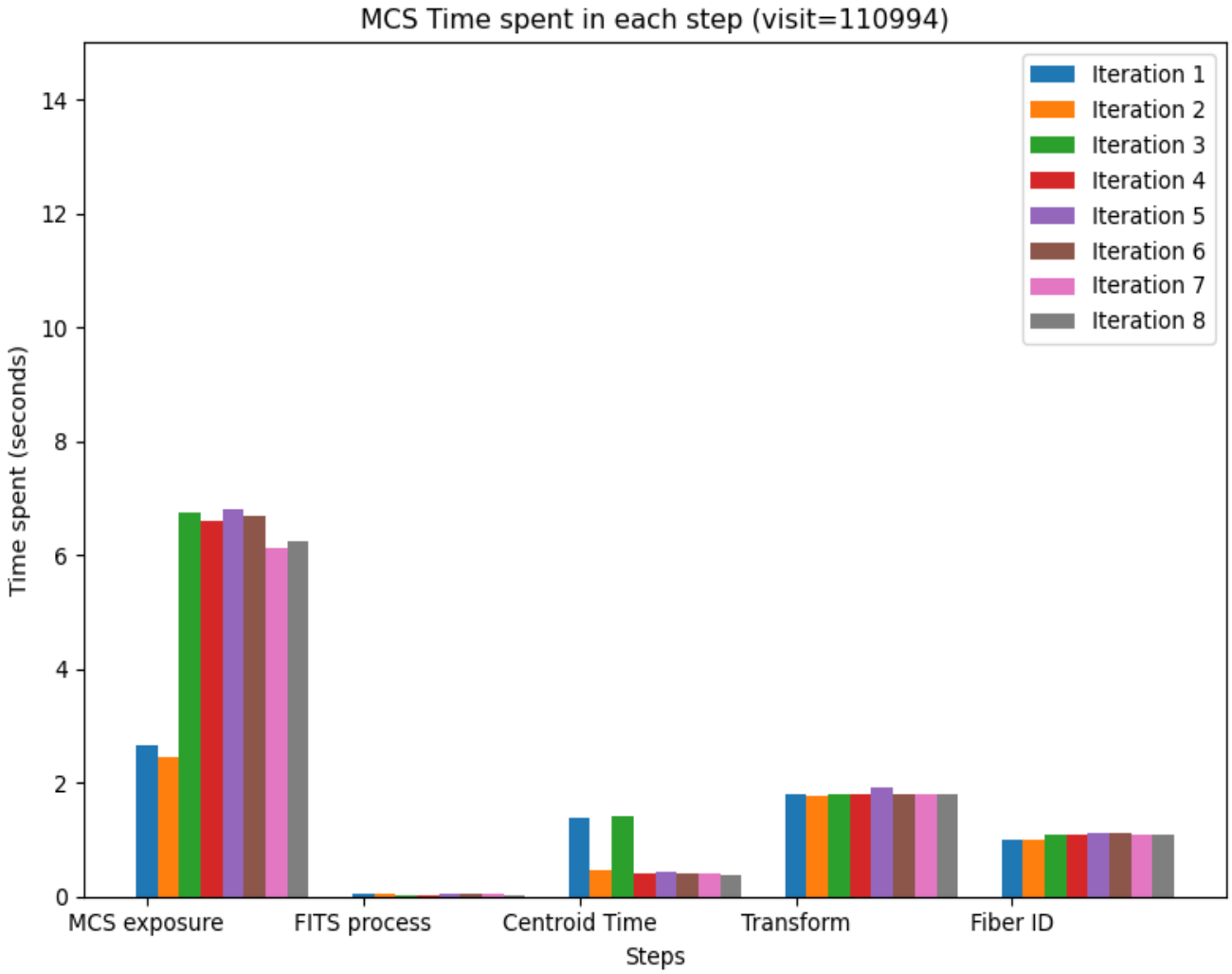

MCS Time spent in each step (visit=110967)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

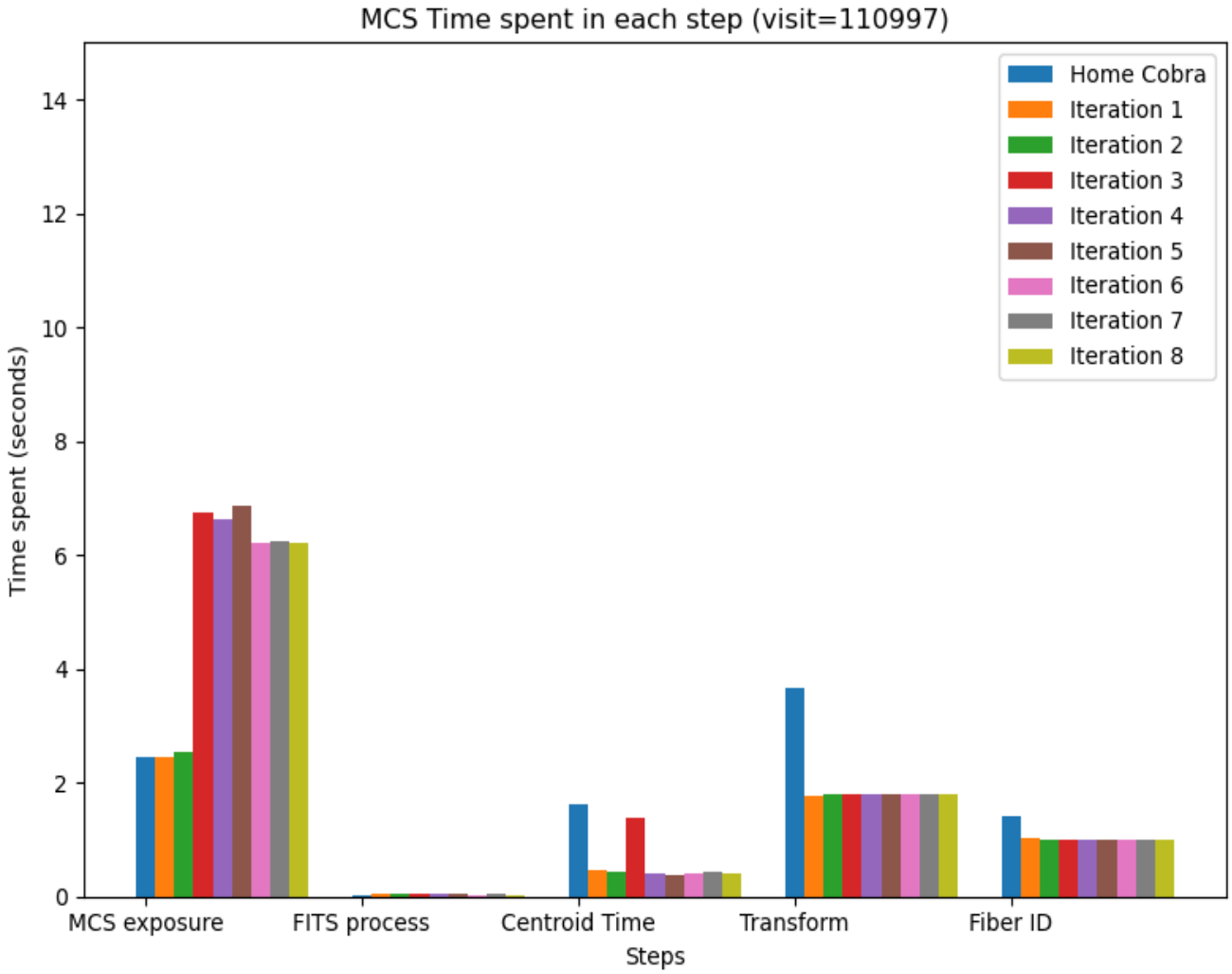

MCS Time spent in each step (visit=110979)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

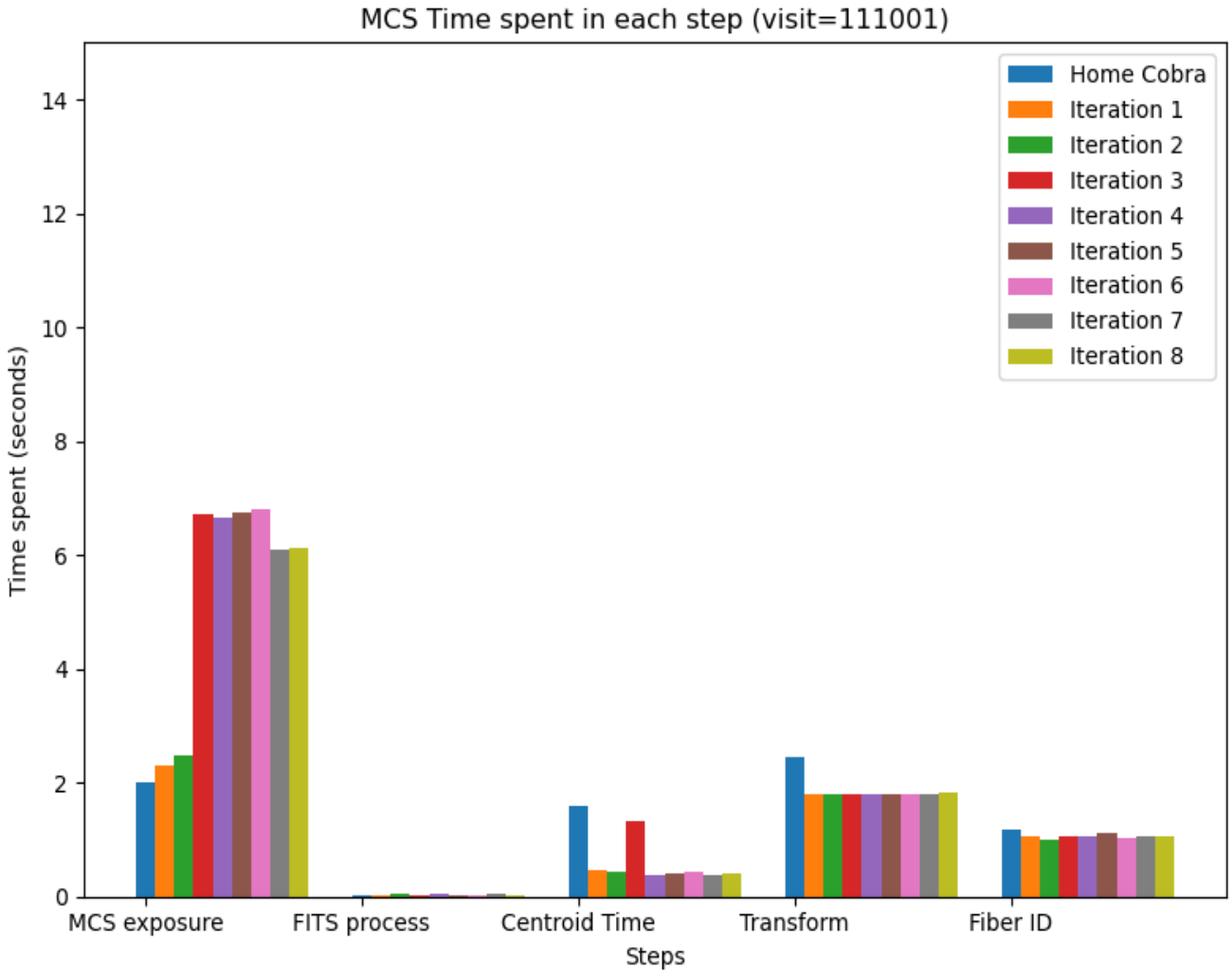

MCS Time spent in each step (visit=110980)
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

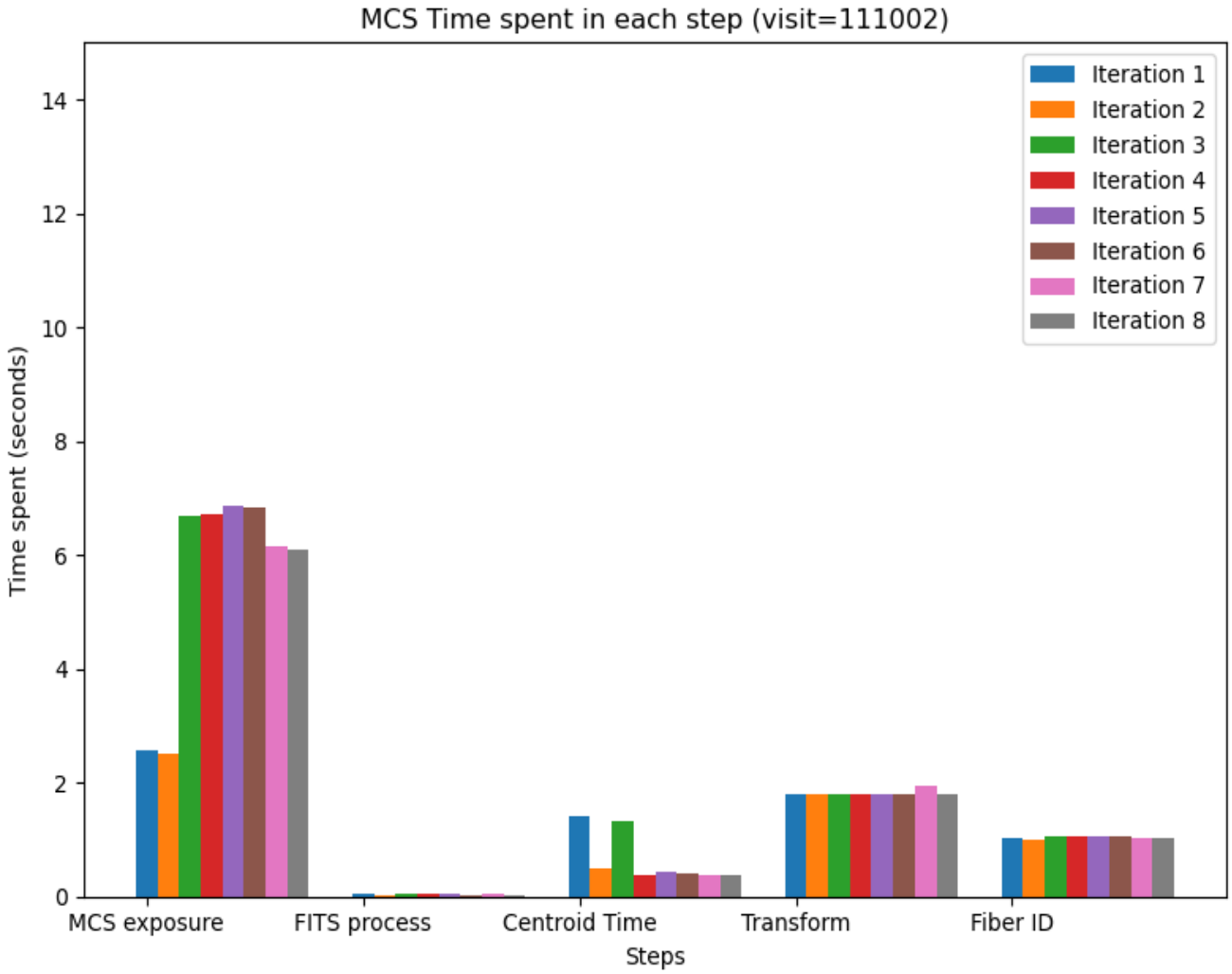

MCS Time spent in each step (visit=110981)
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

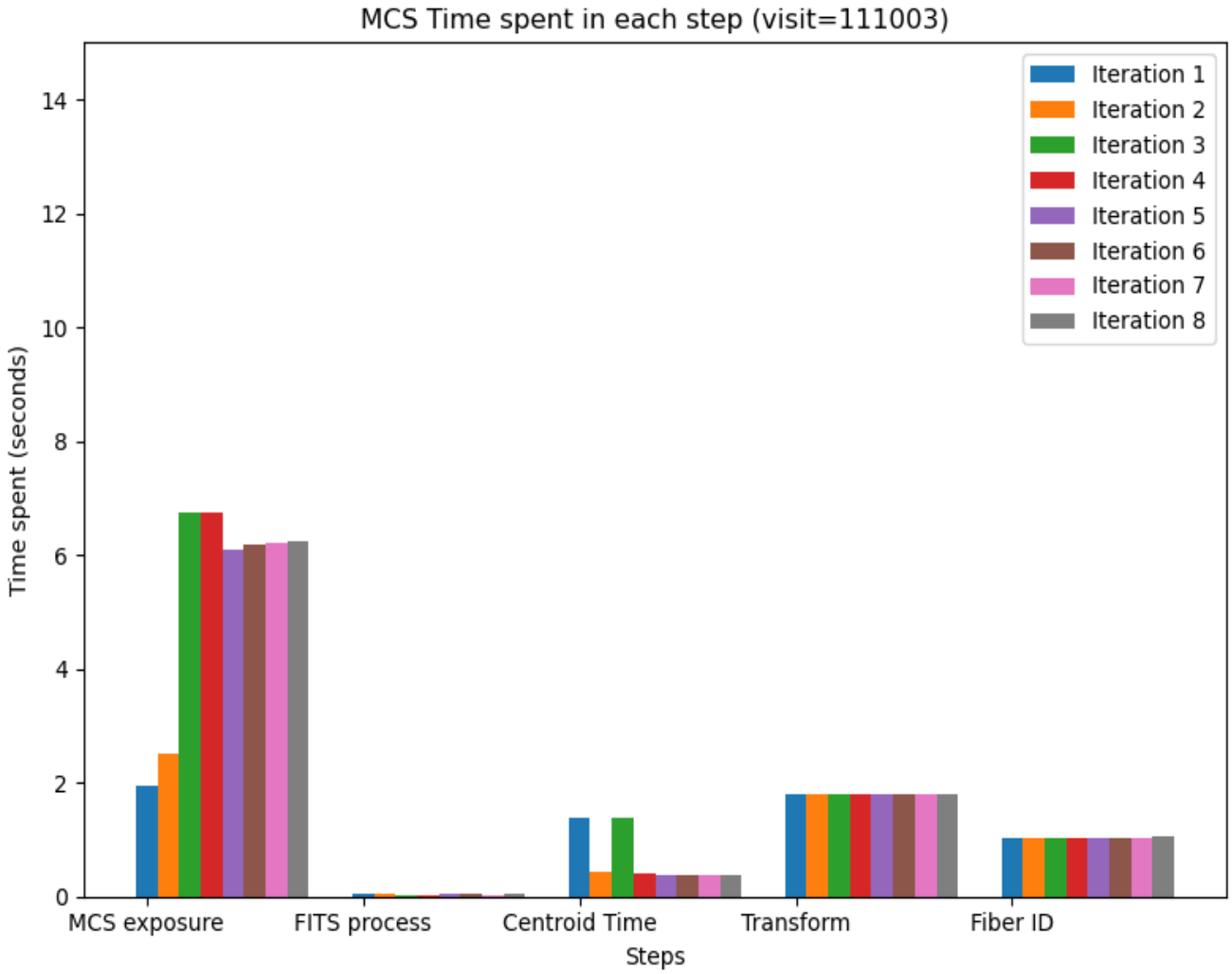

MCS Time spent in each step (visit=110984)
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

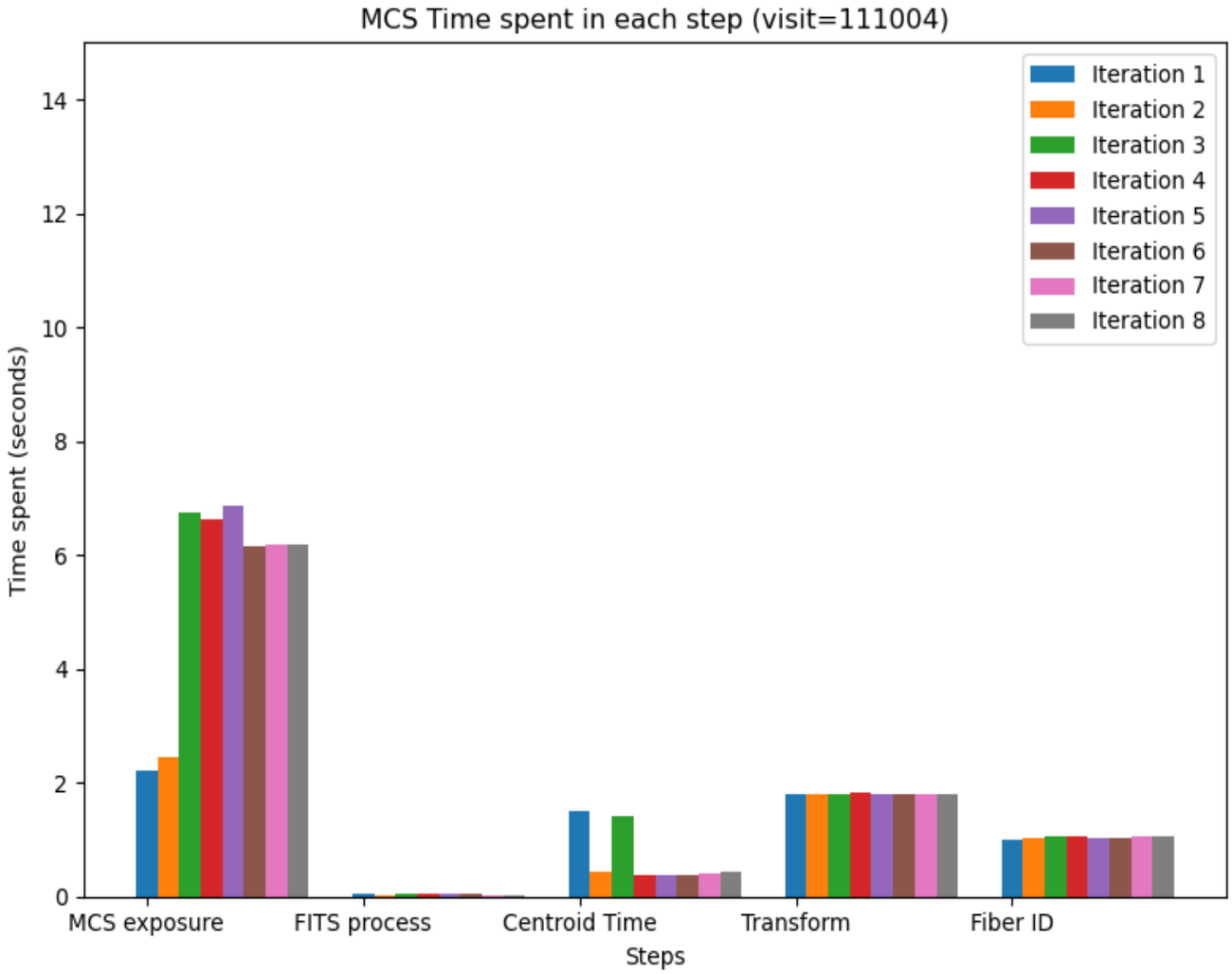

MCS Time spent in each step (visit=110994)
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

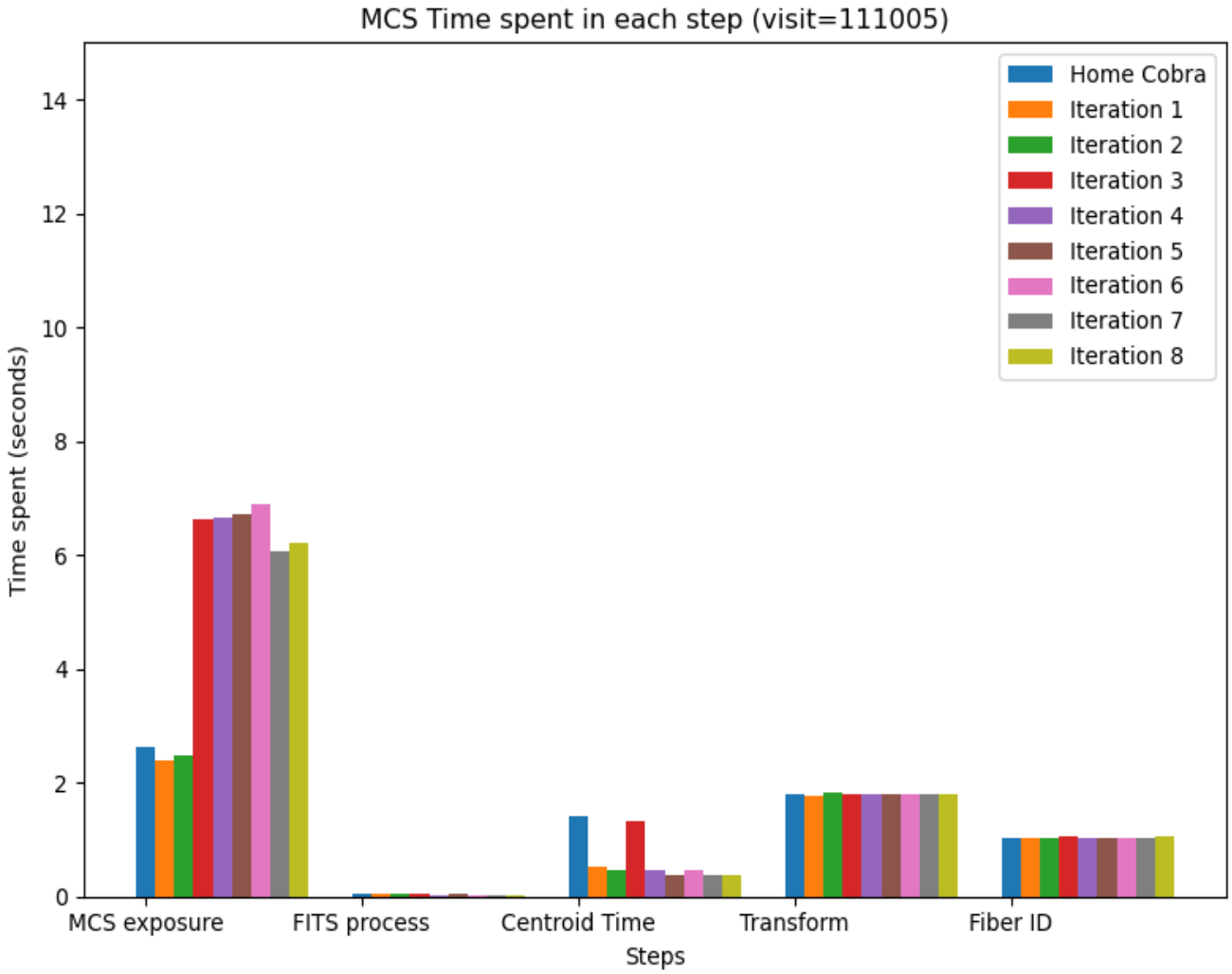

MCS Time spent in each step (visit=110997)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

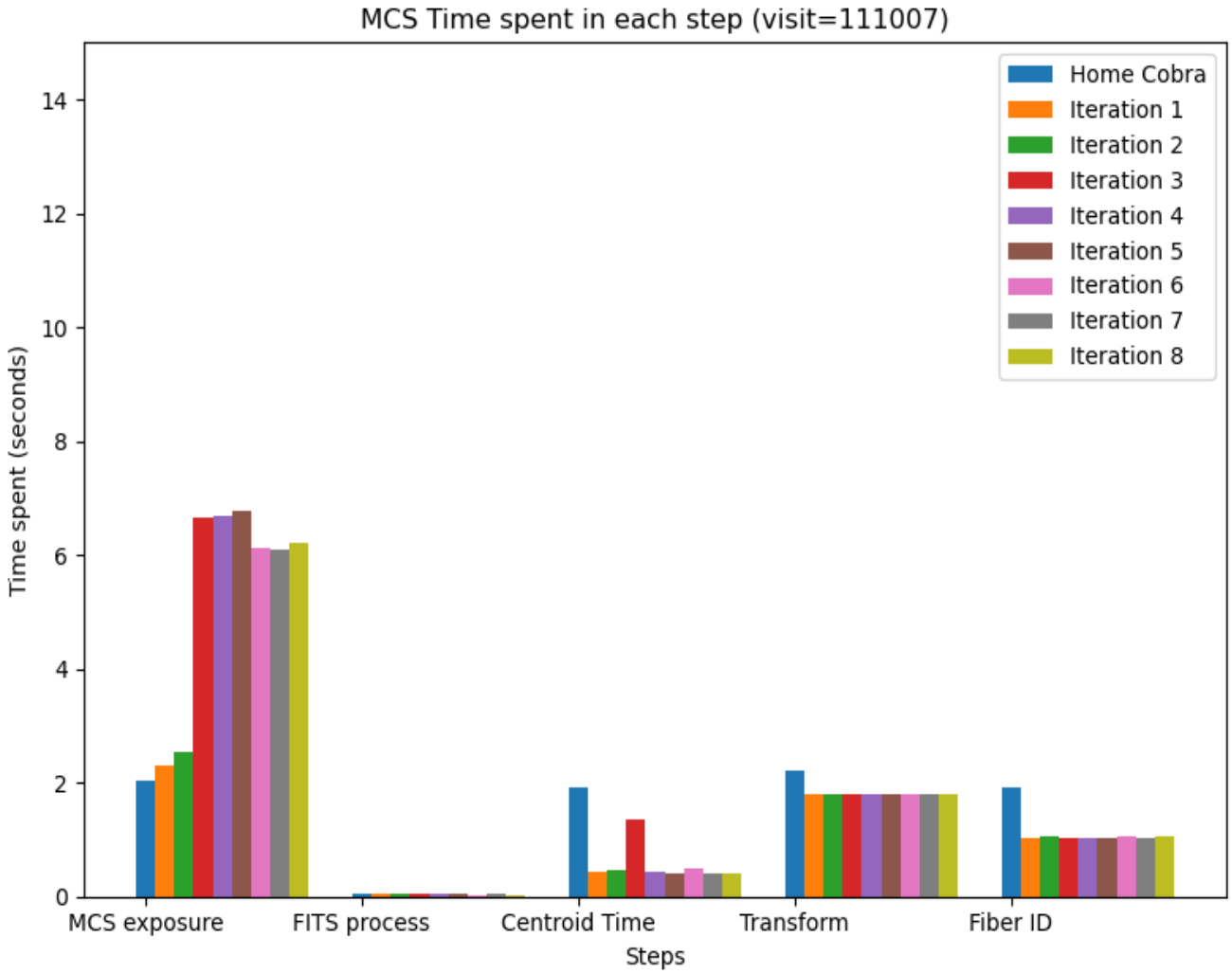

MCS Time spent in each step (visit=111001)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

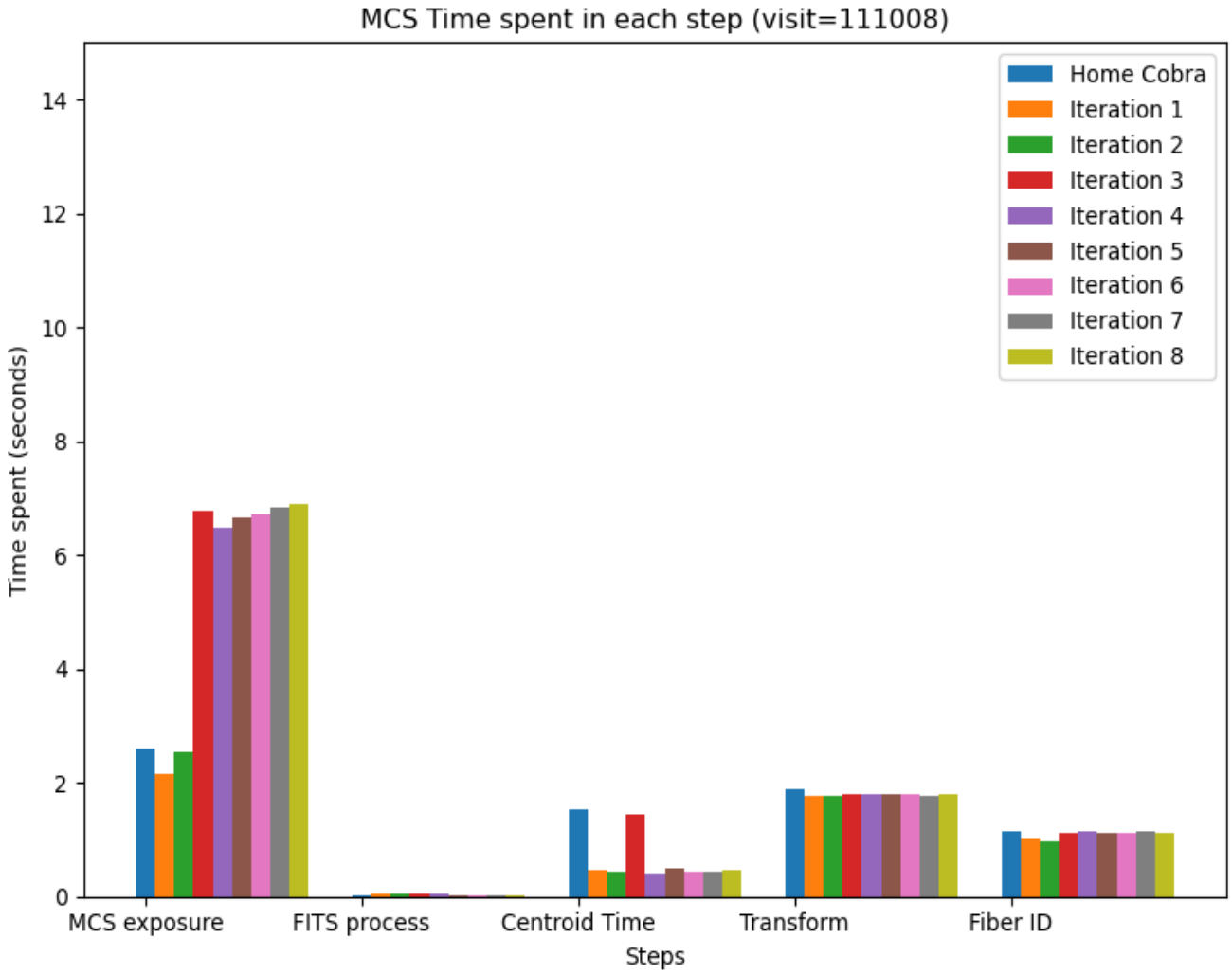

MCS Time spent in each step (visit=111002)
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

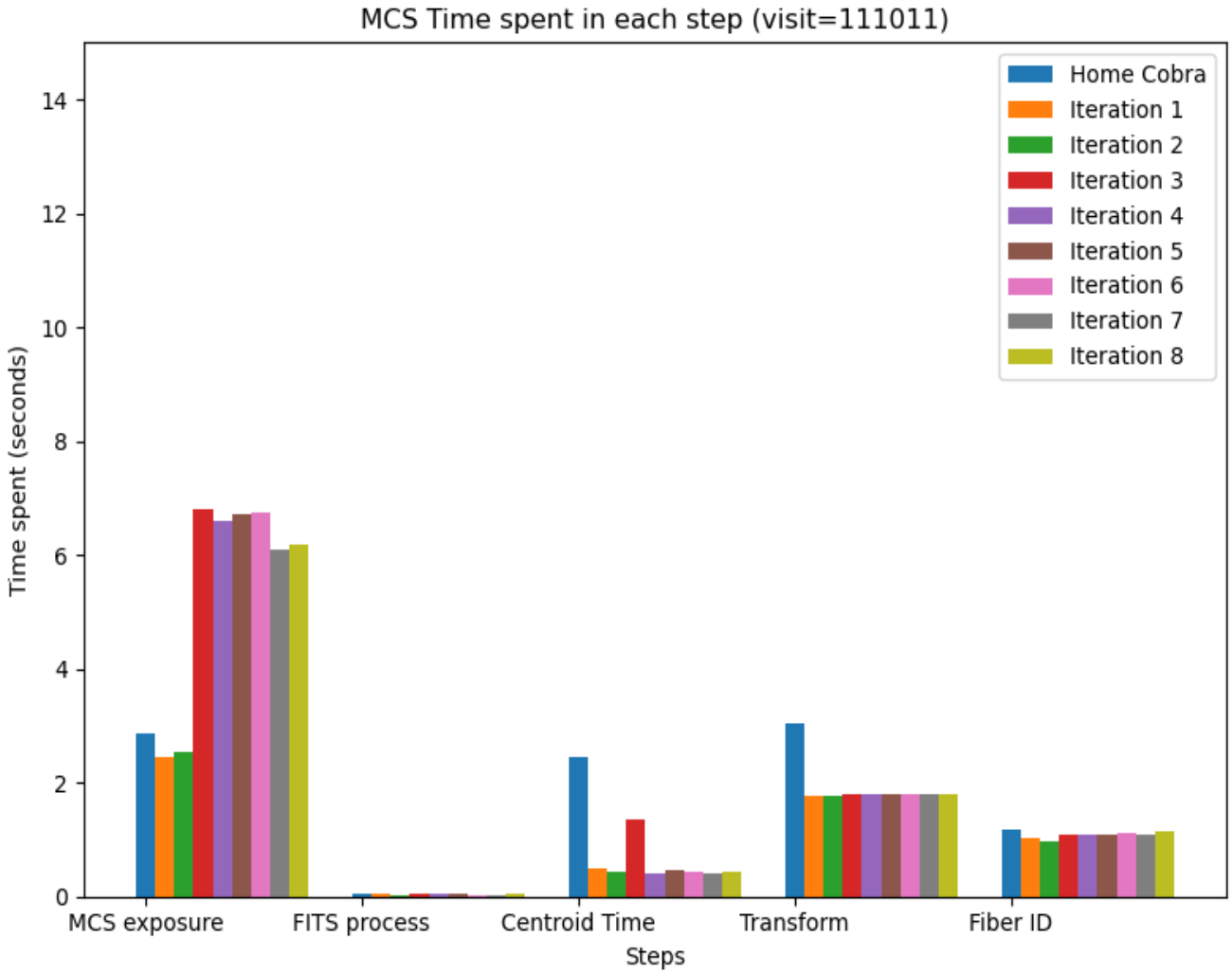

MCS Time spent in each step (visit=111003)
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

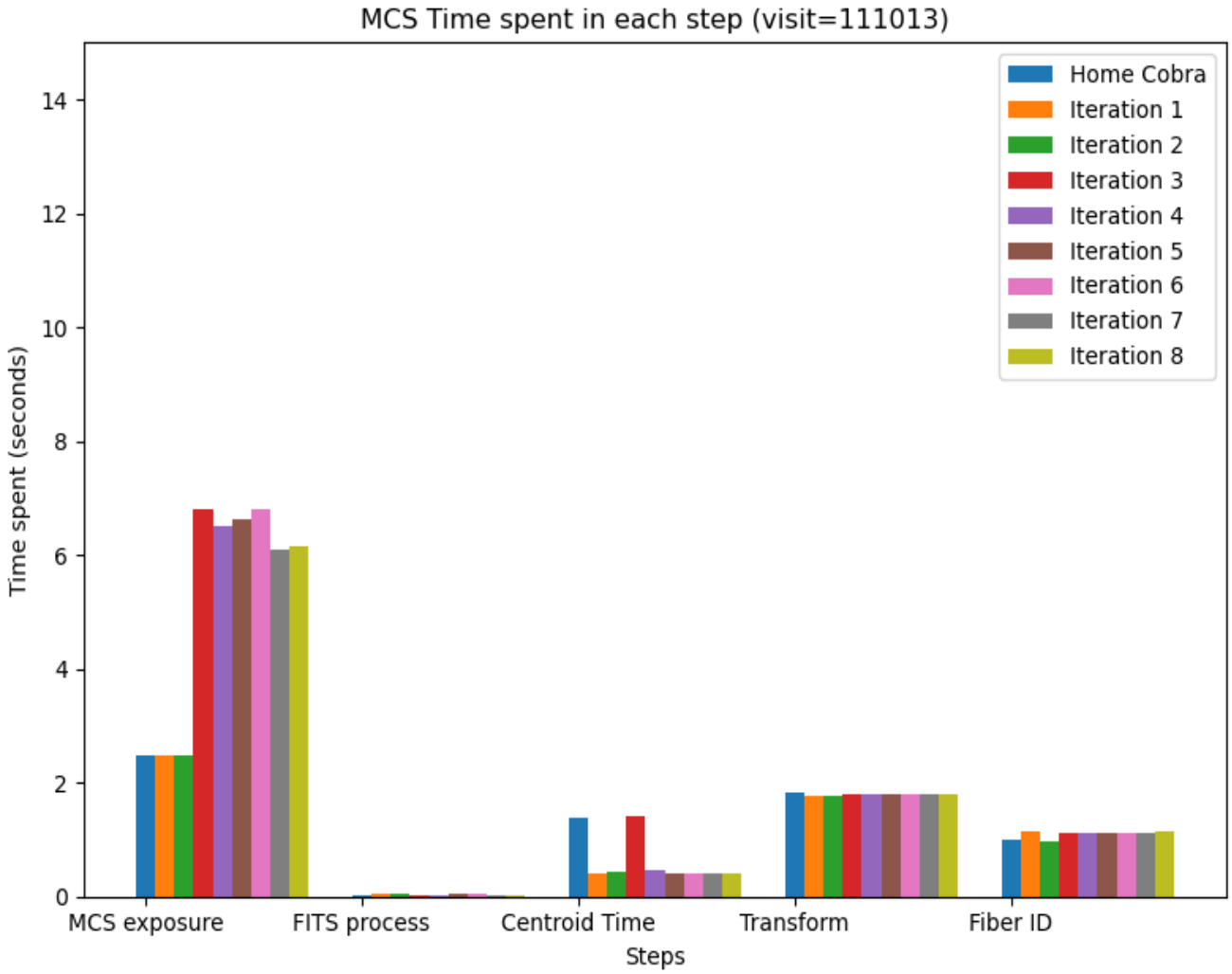

MCS Time spent in each step (visit=111004)
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

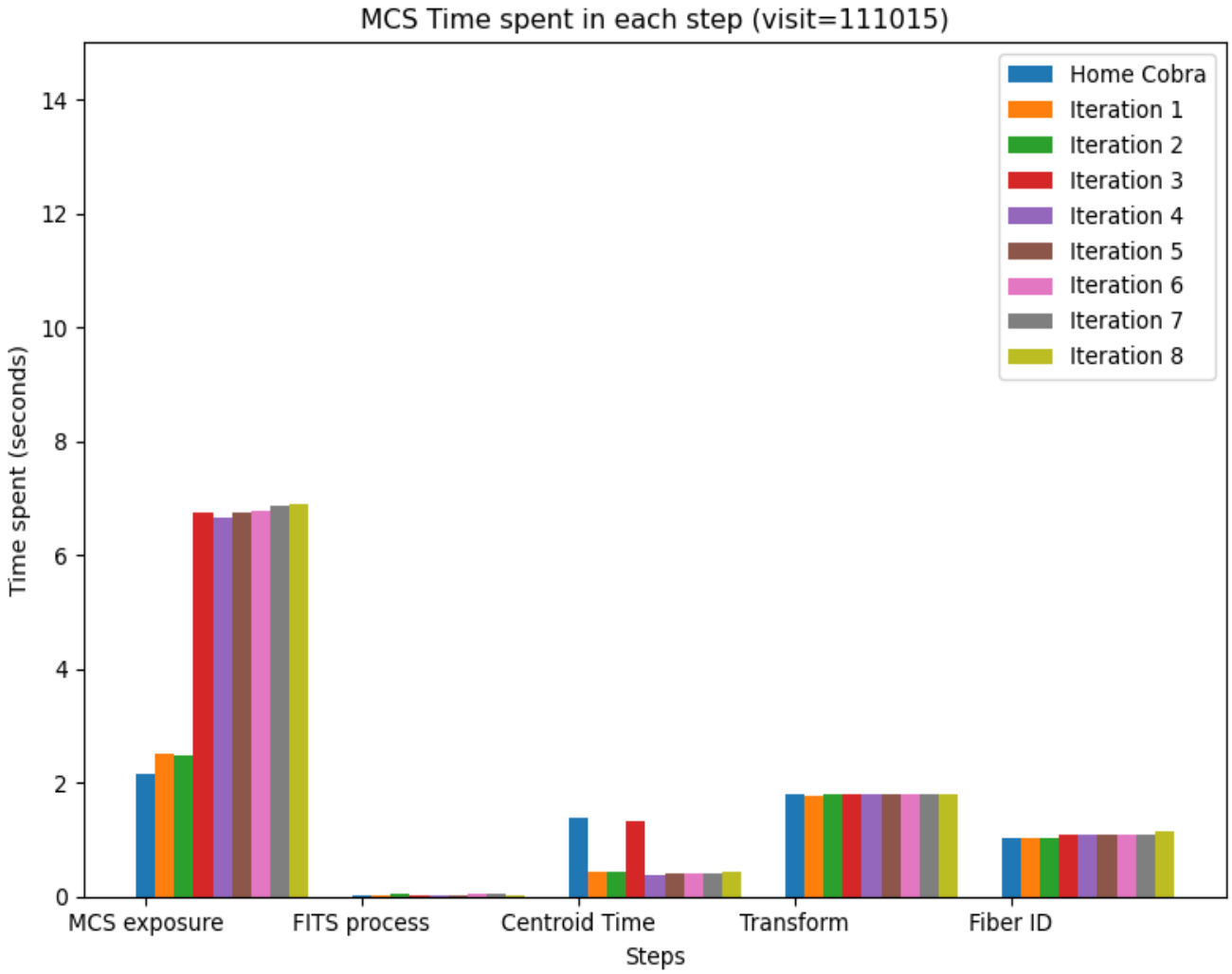

MCS Time spent in each step (visit=111005)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

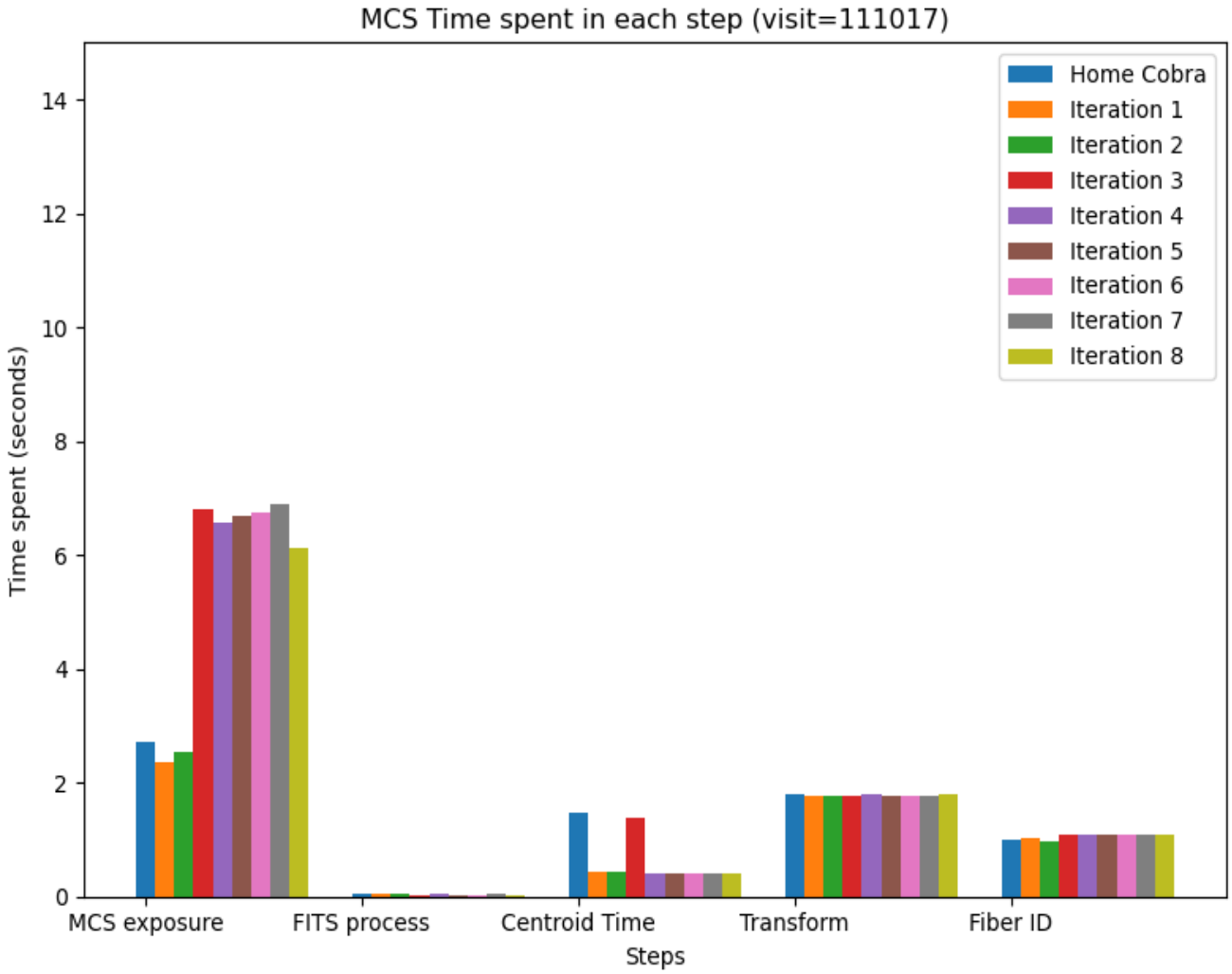

MCS Time spent in each step (visit=111007)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

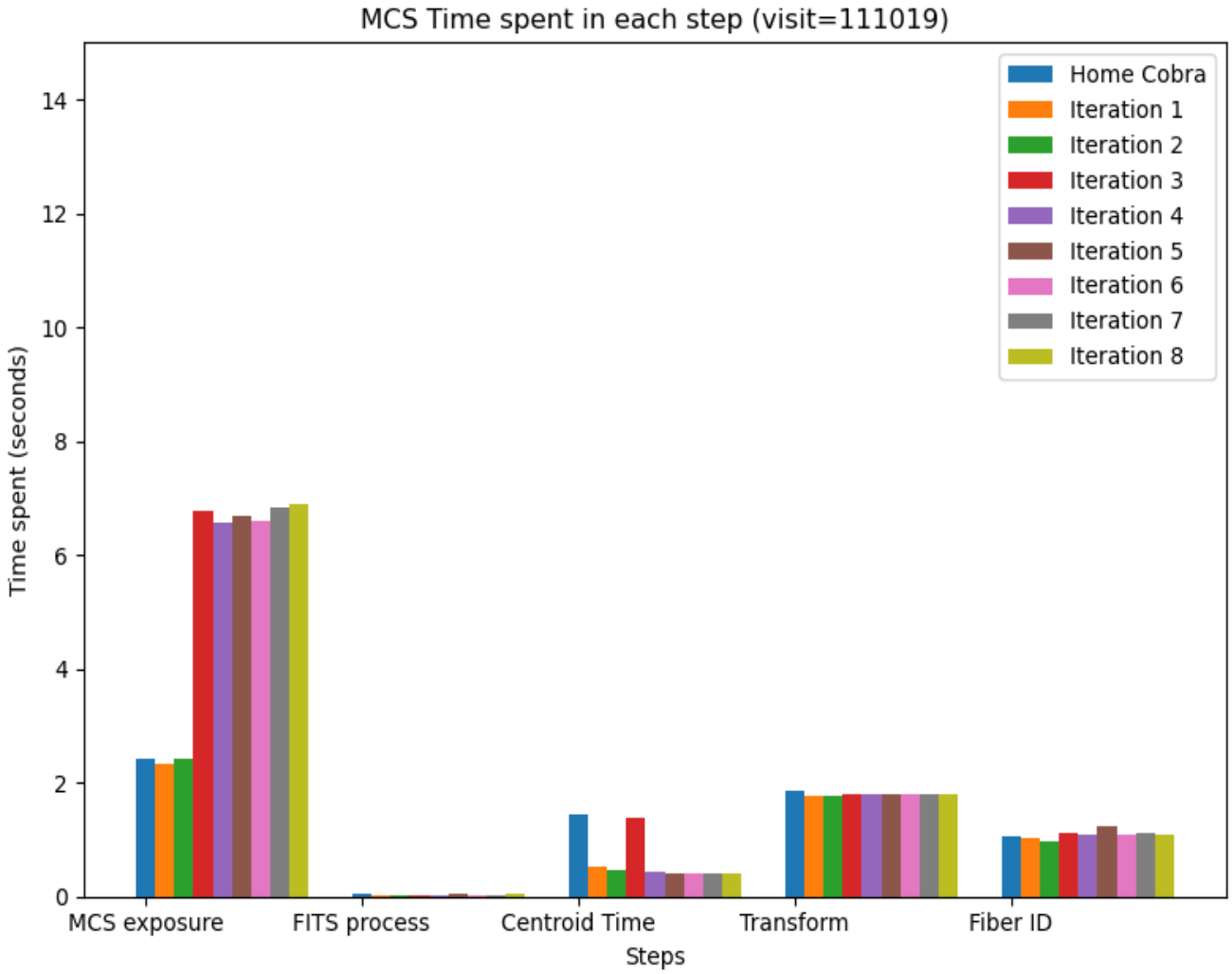

MCS Time spent in each step (visit=111008)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

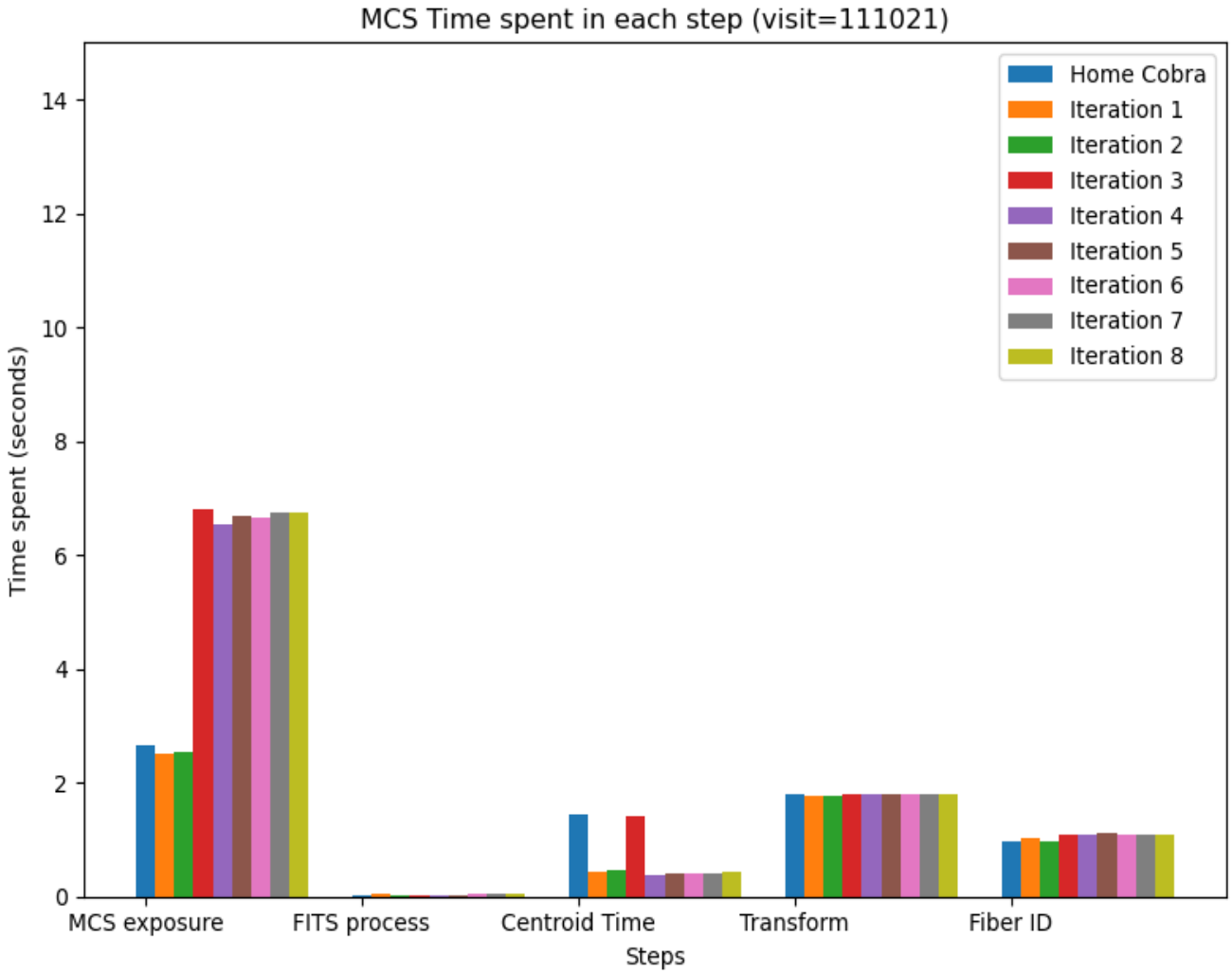

MCS Time spent in each step (visit=111011)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

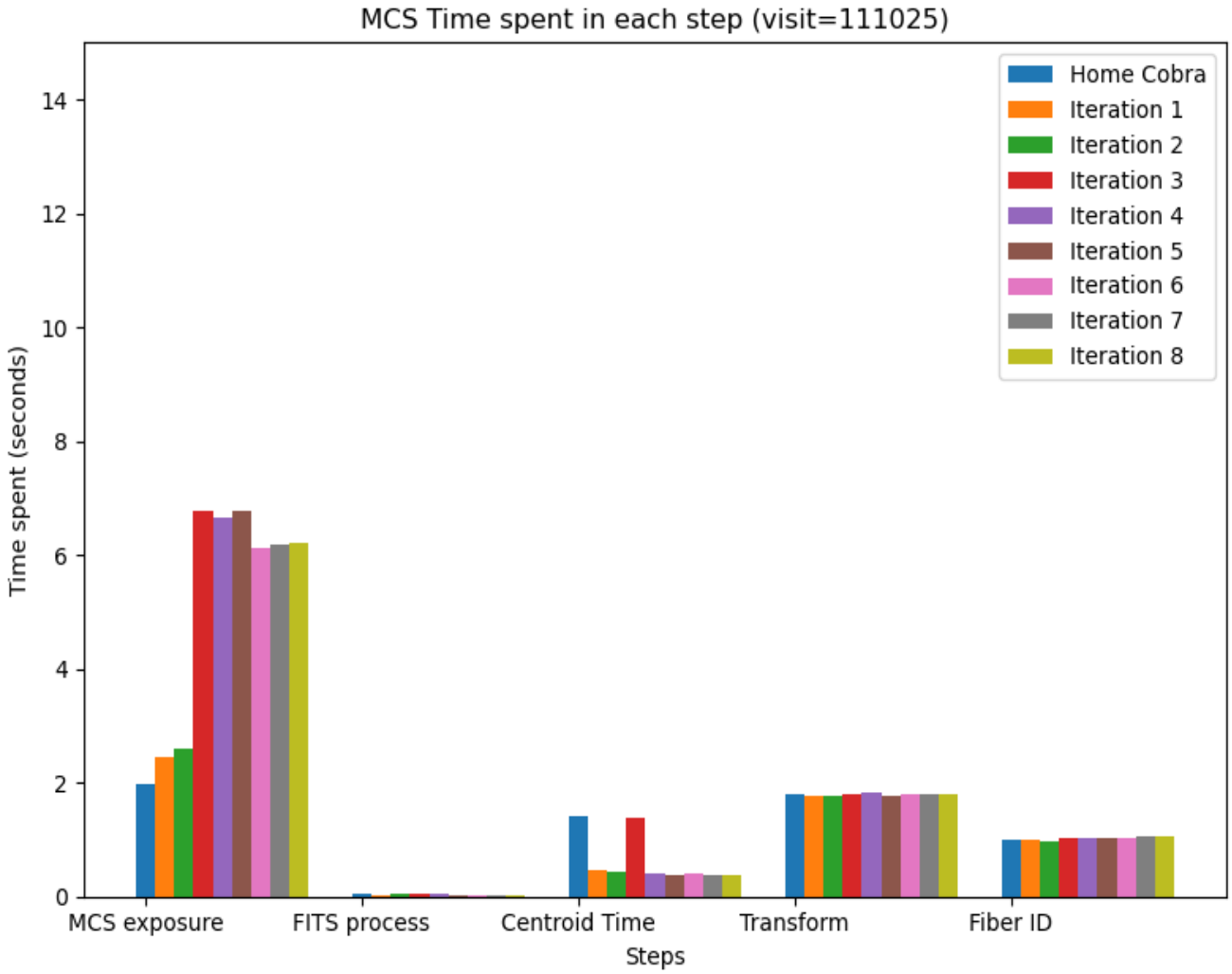

MCS Time spent in each step (visit=111013)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

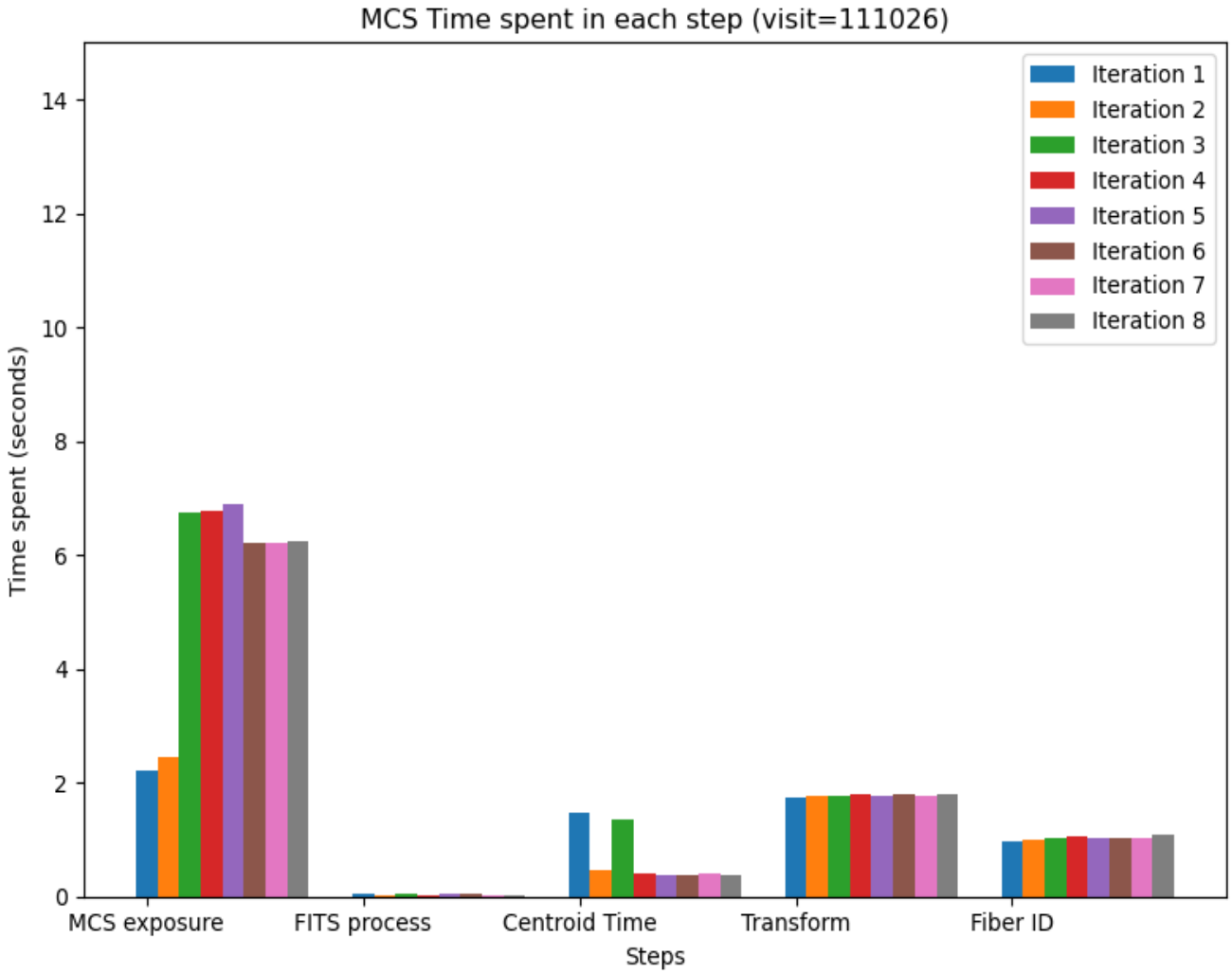

MCS Time spent in each step (visit=111015)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

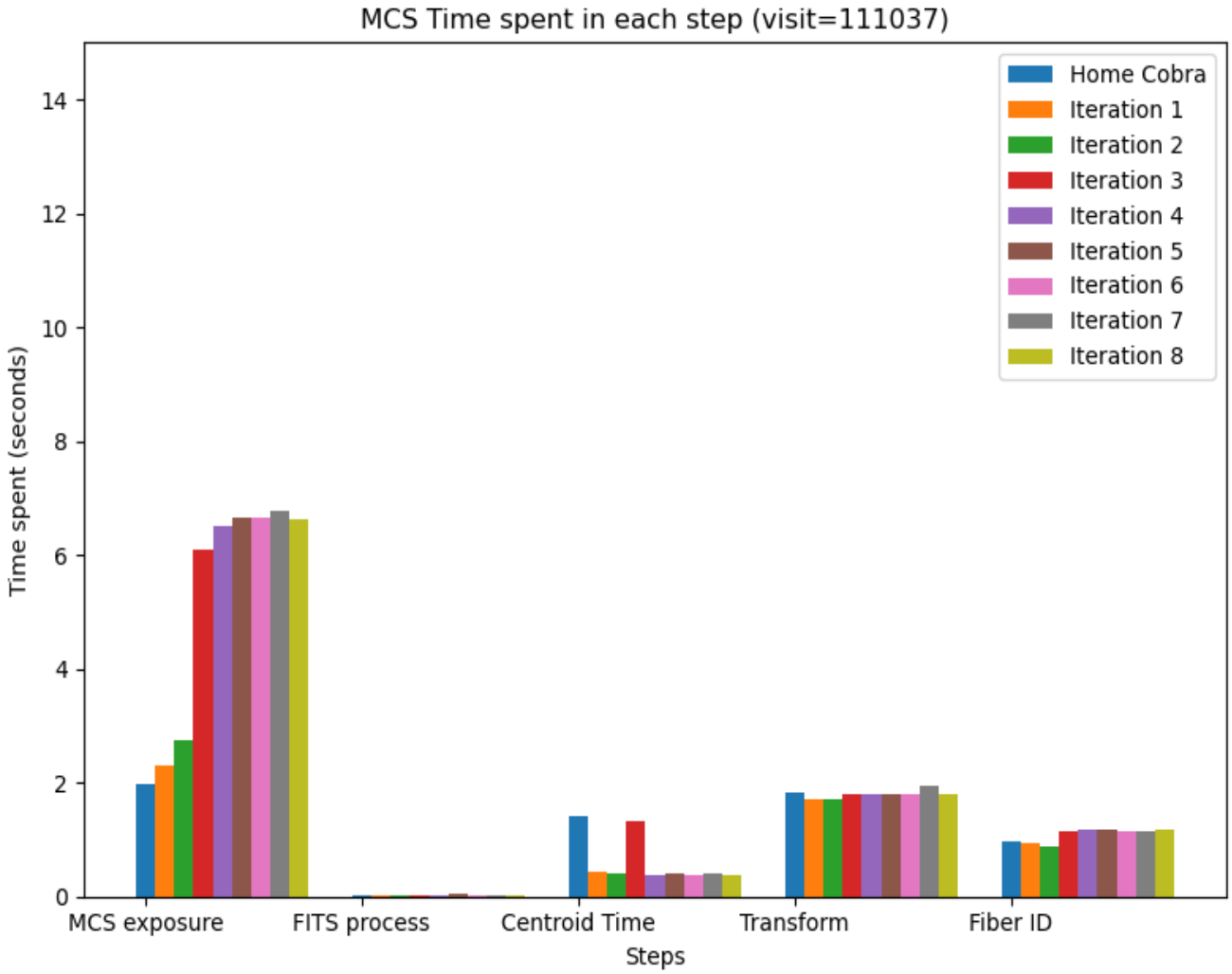

MCS Time spent in each step (visit=111017)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

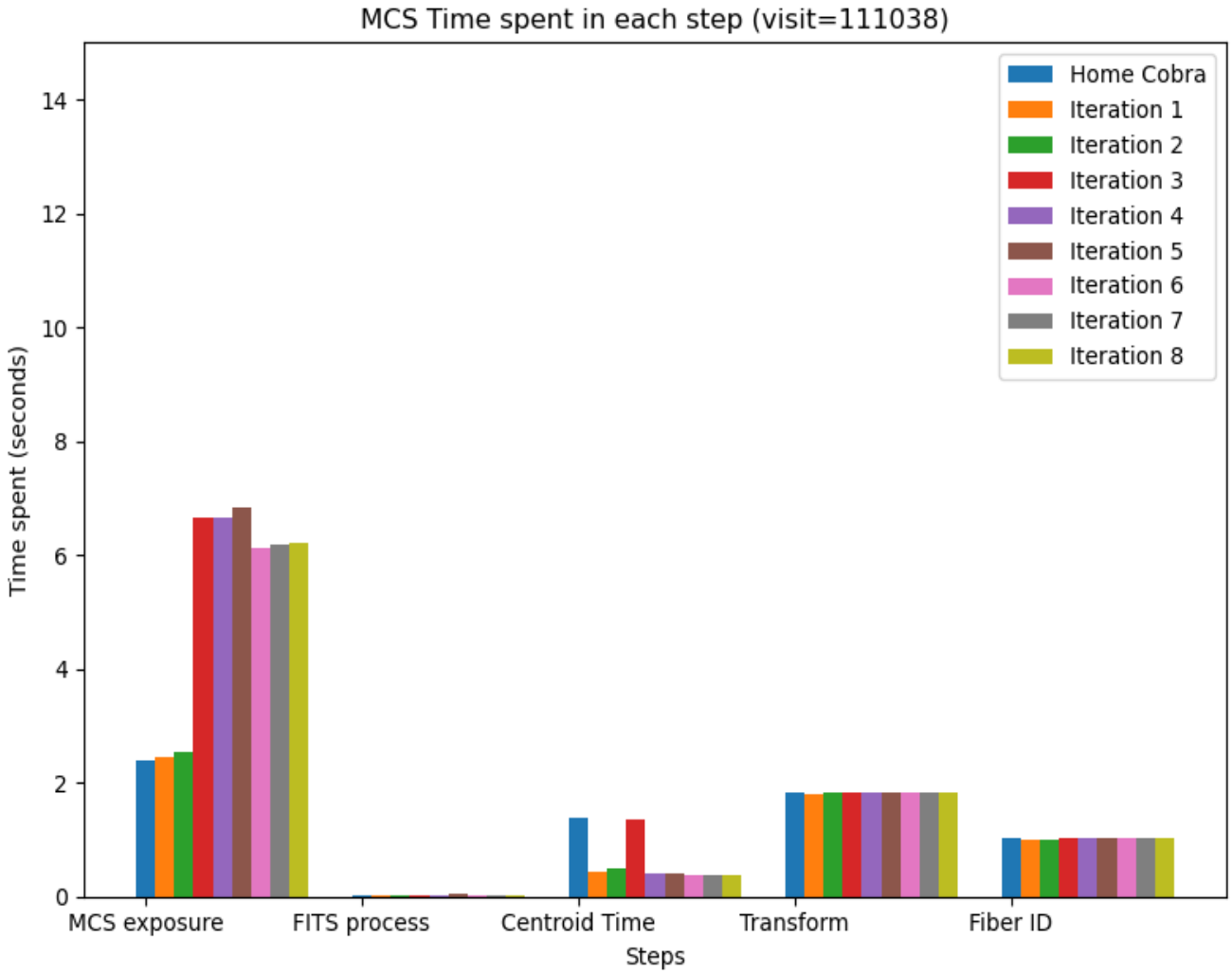

MCS Time spent in each step (visit=111019)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

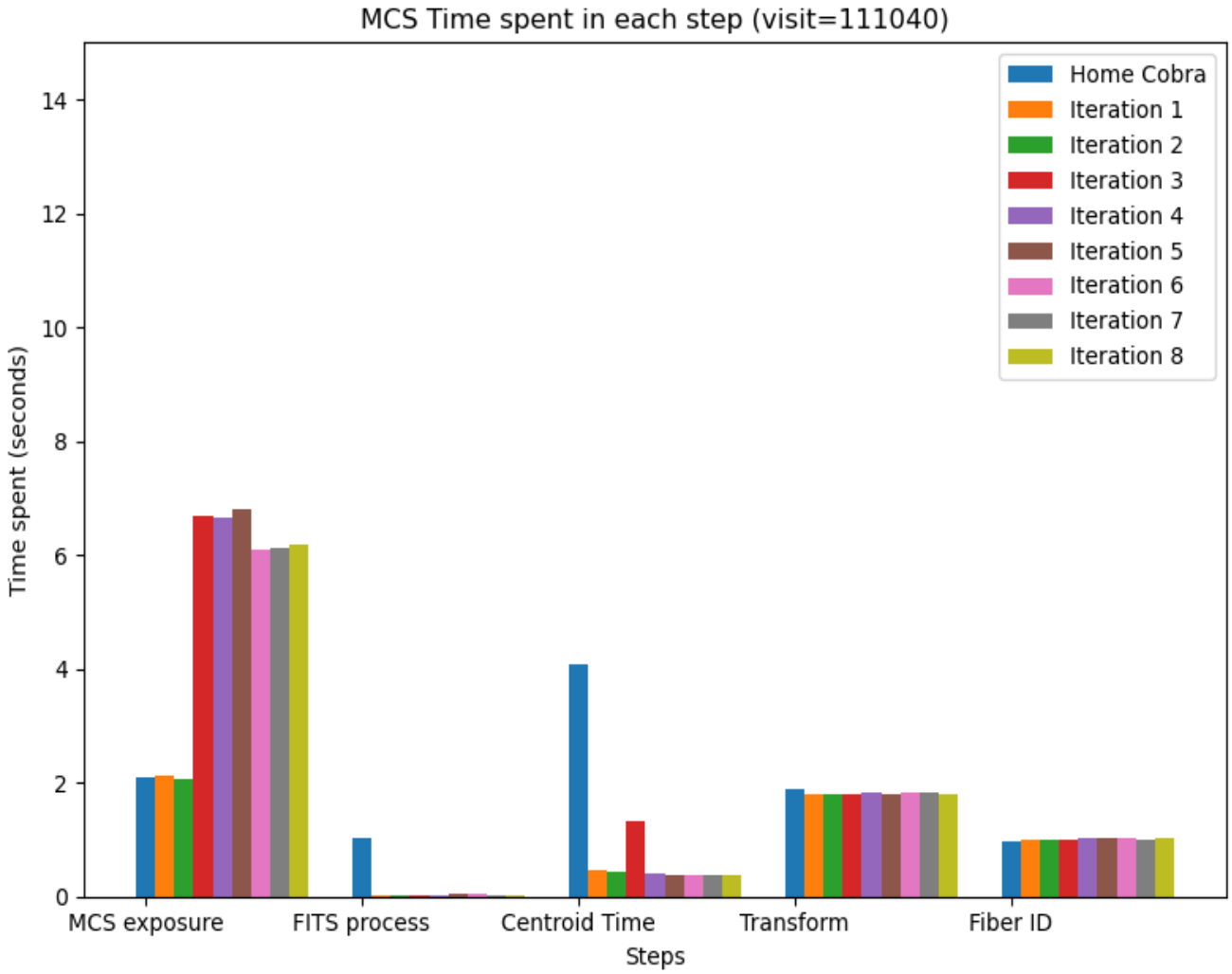

MCS Time spent in each step (visit=111021)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

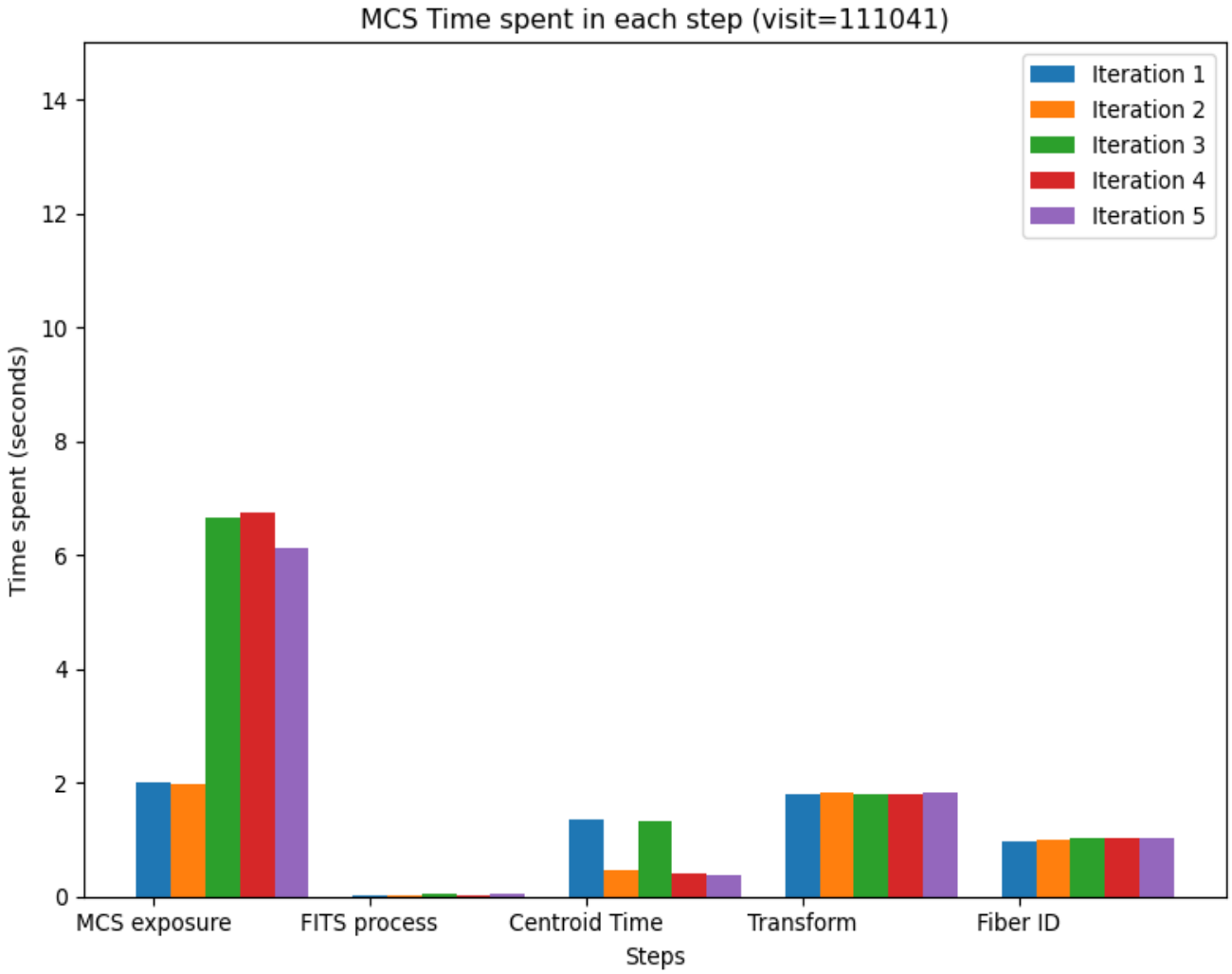

MCS Time spent in each step (visit=111025)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

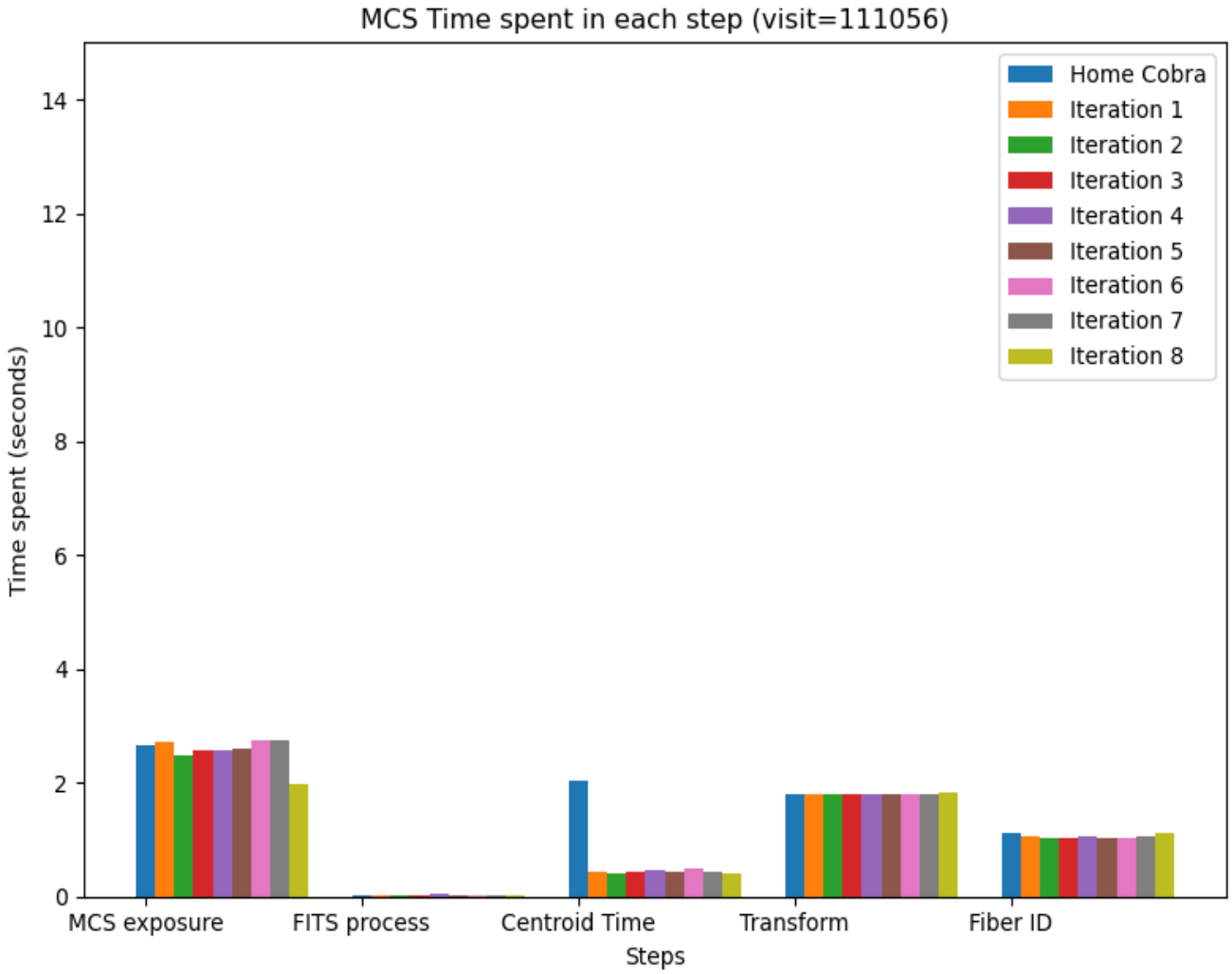

MCS Time spent in each step (visit=111026)
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

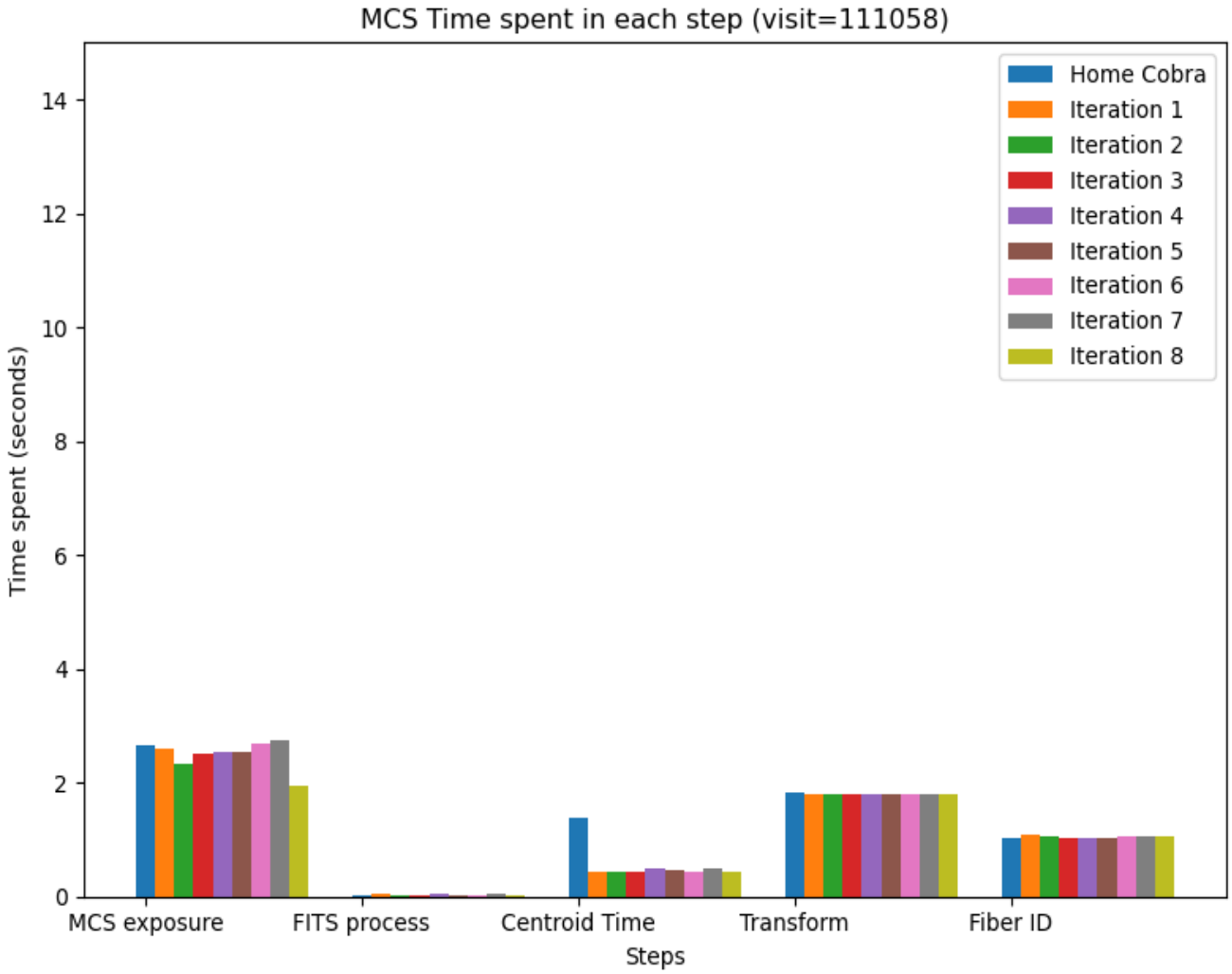

MCS Time spent in each step (visit=111037)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

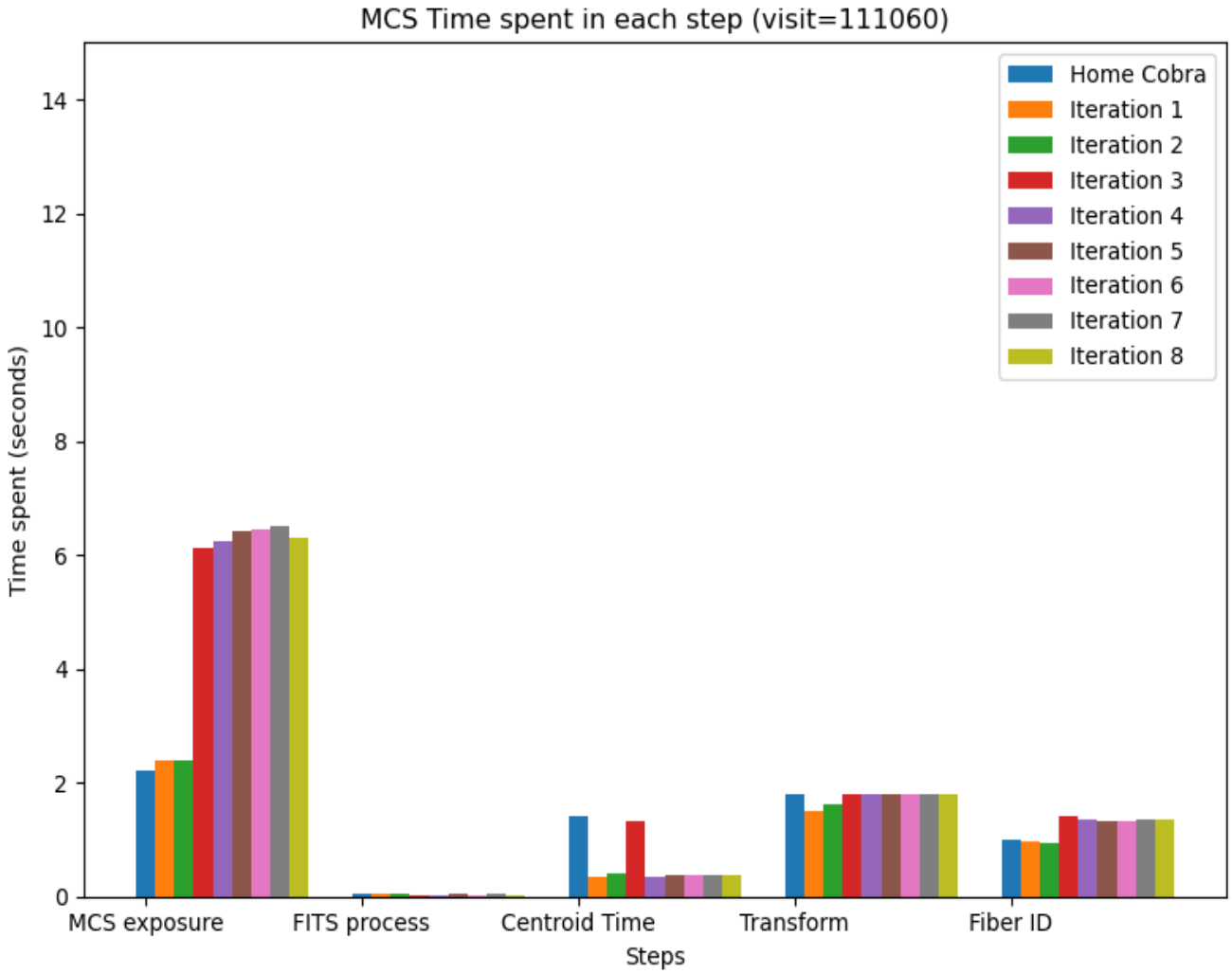

MCS Time spent in each step (visit=111038)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

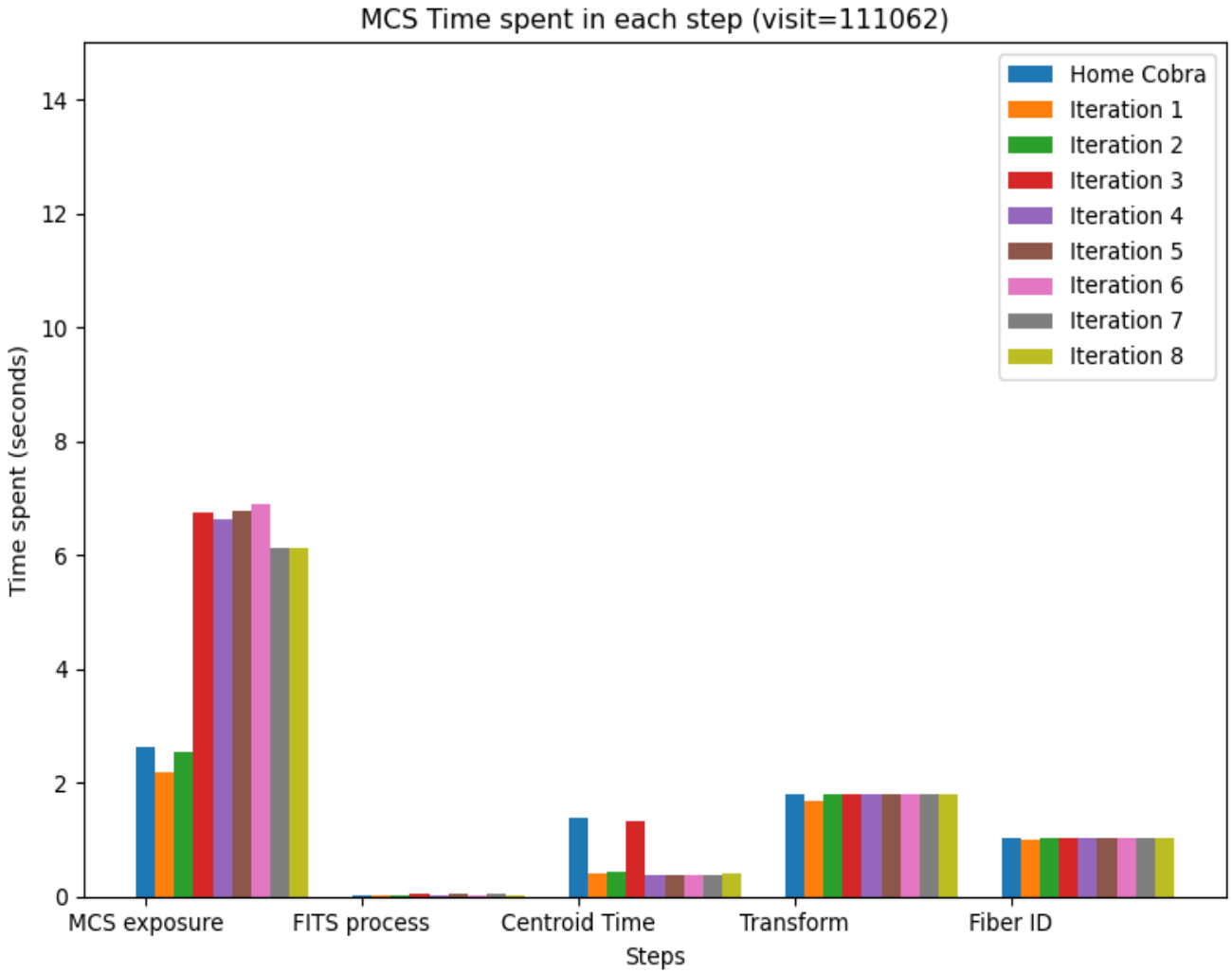

MCS Time spent in each step (visit=111040)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

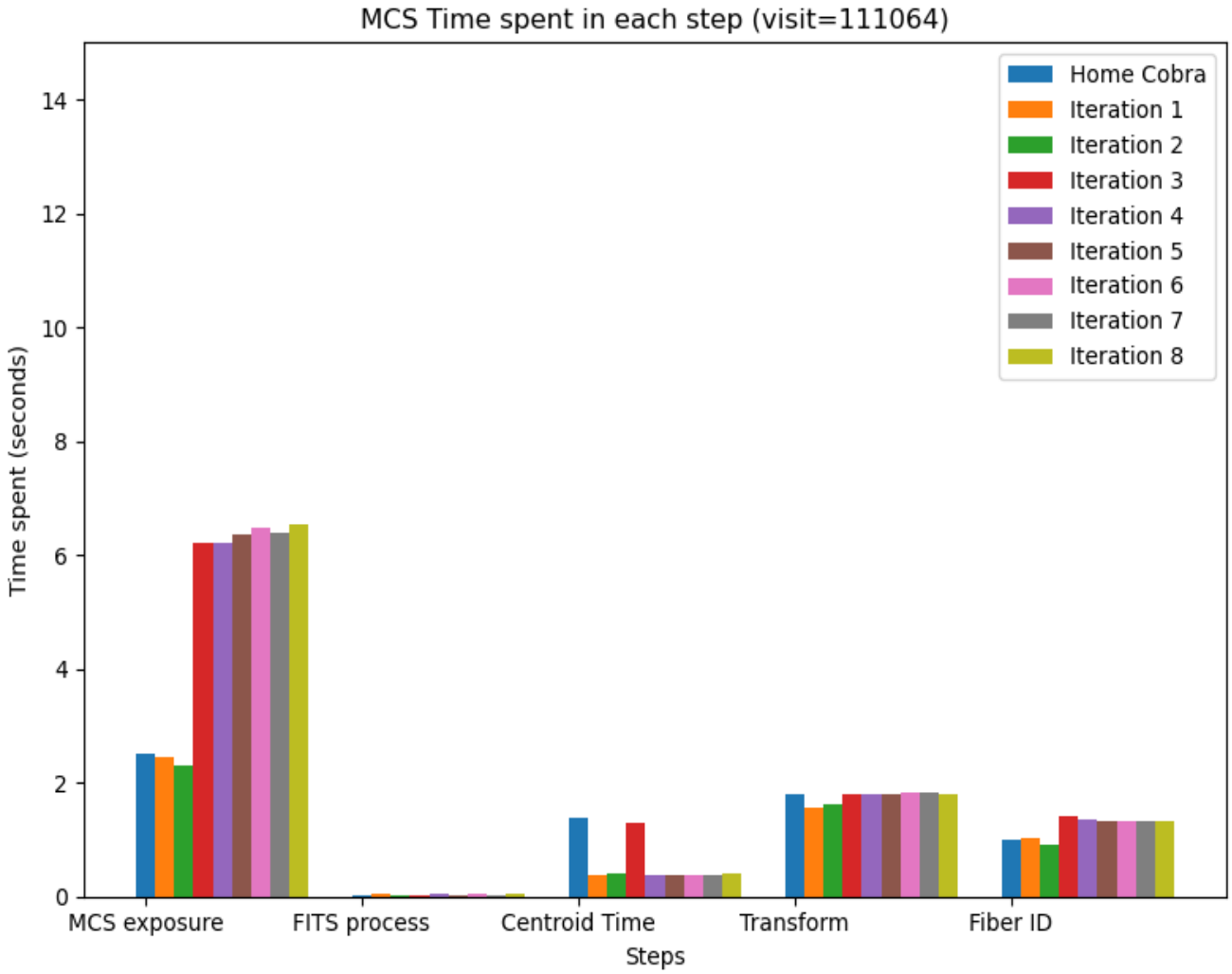

MCS Time spent in each step (visit=111041)
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

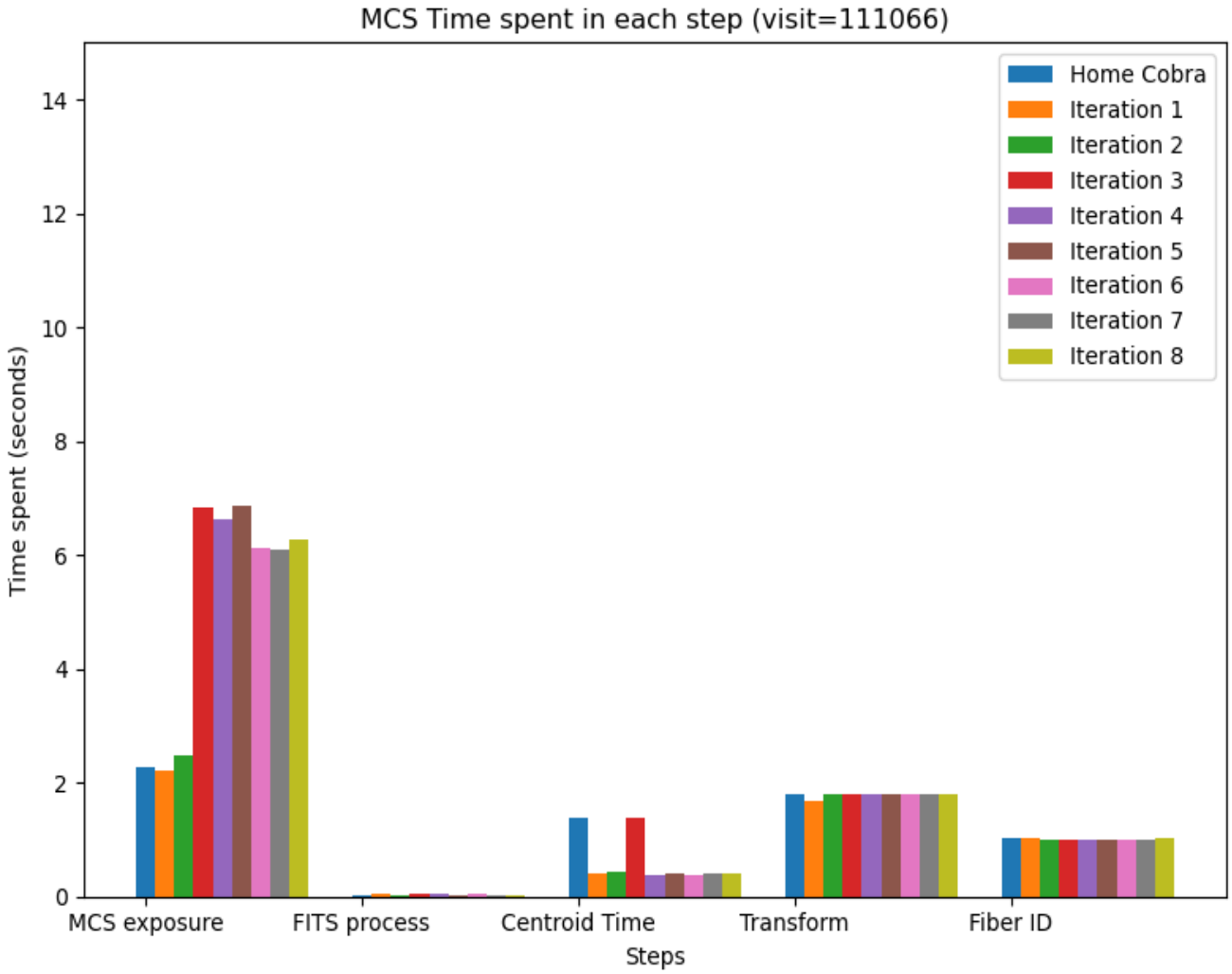

MCS Time spent in each step (visit=111056)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

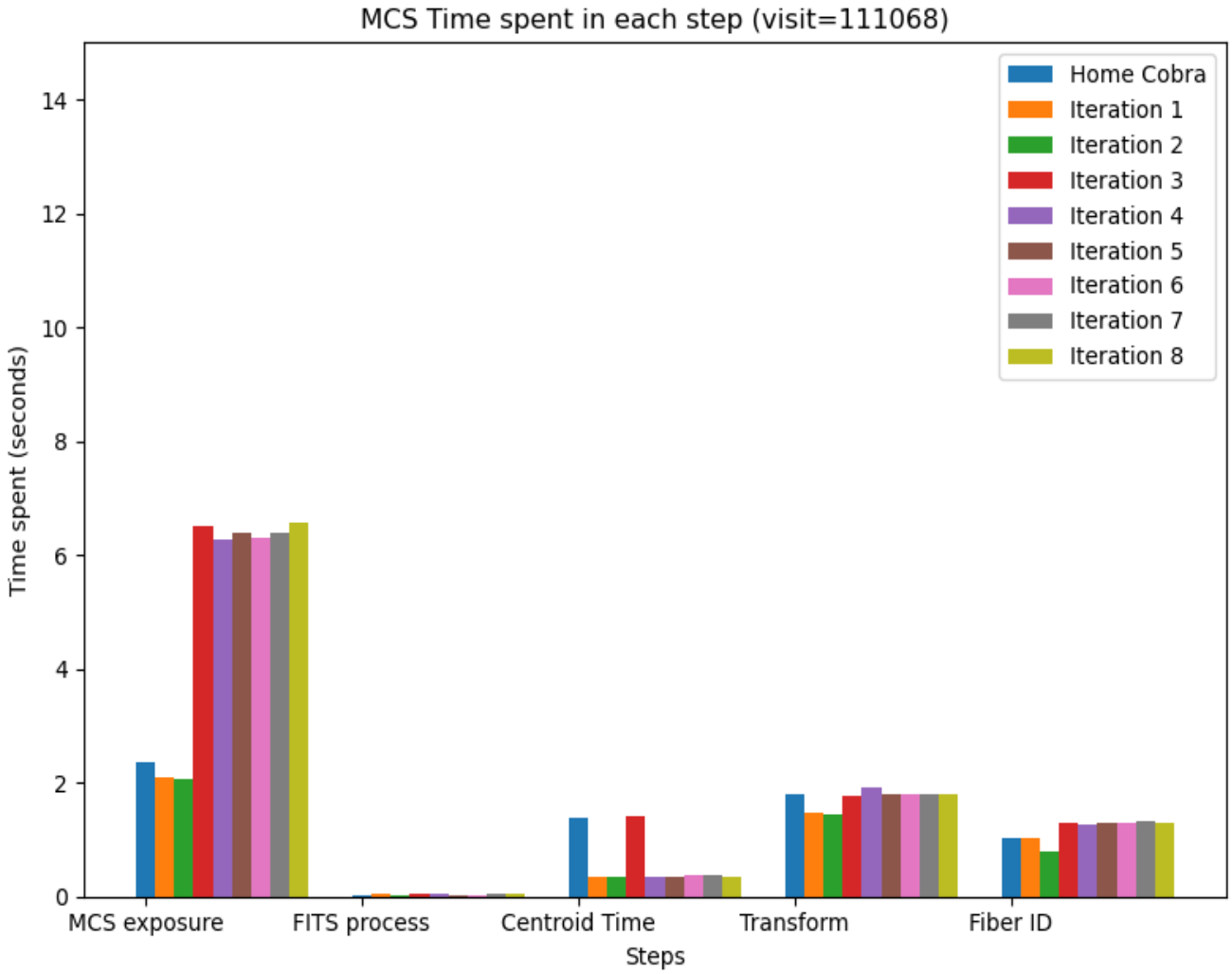

MCS Time spent in each step (visit=111058)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

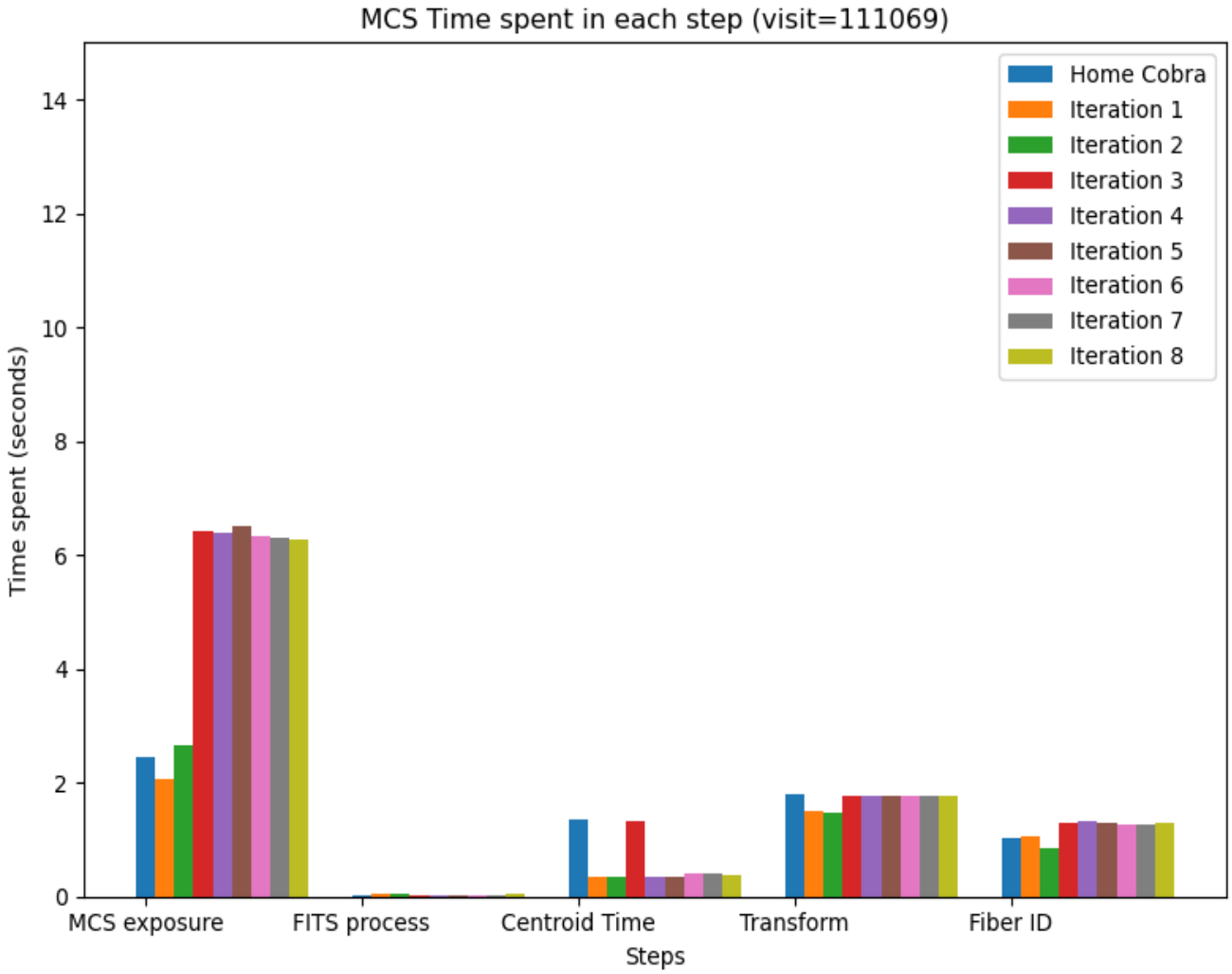

MCS Time spent in each step (visit=111060)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

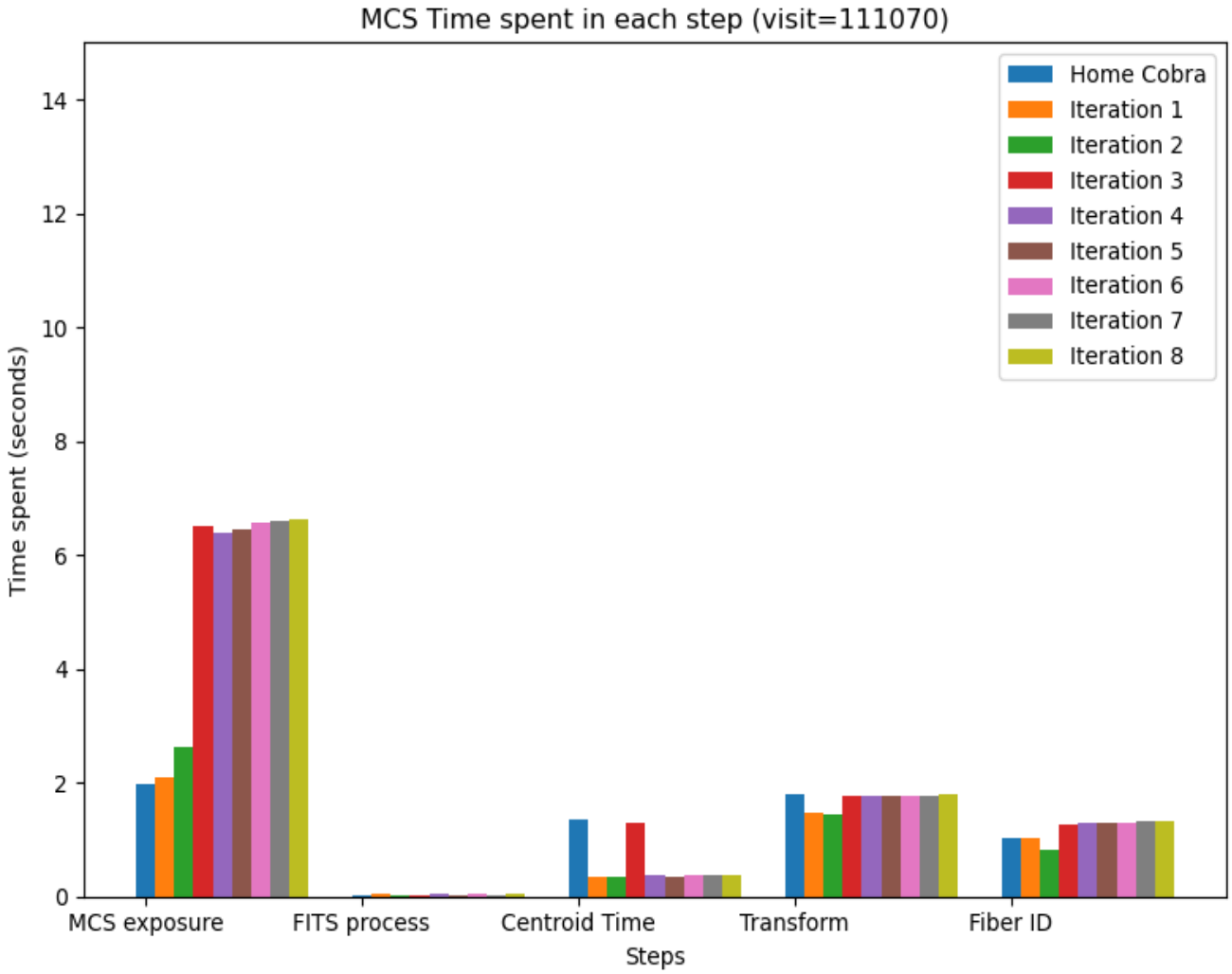

MCS Time spent in each step (visit=111062)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps


MCS Time spent in each step (visit=111064)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps


MCS Time spent in each step (visit=111066)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps


MCS Time spent in each step (visit=111068)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps


MCS Time spent in each step (visit=111069)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps


MCS Time spent in each step (visit=111070)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
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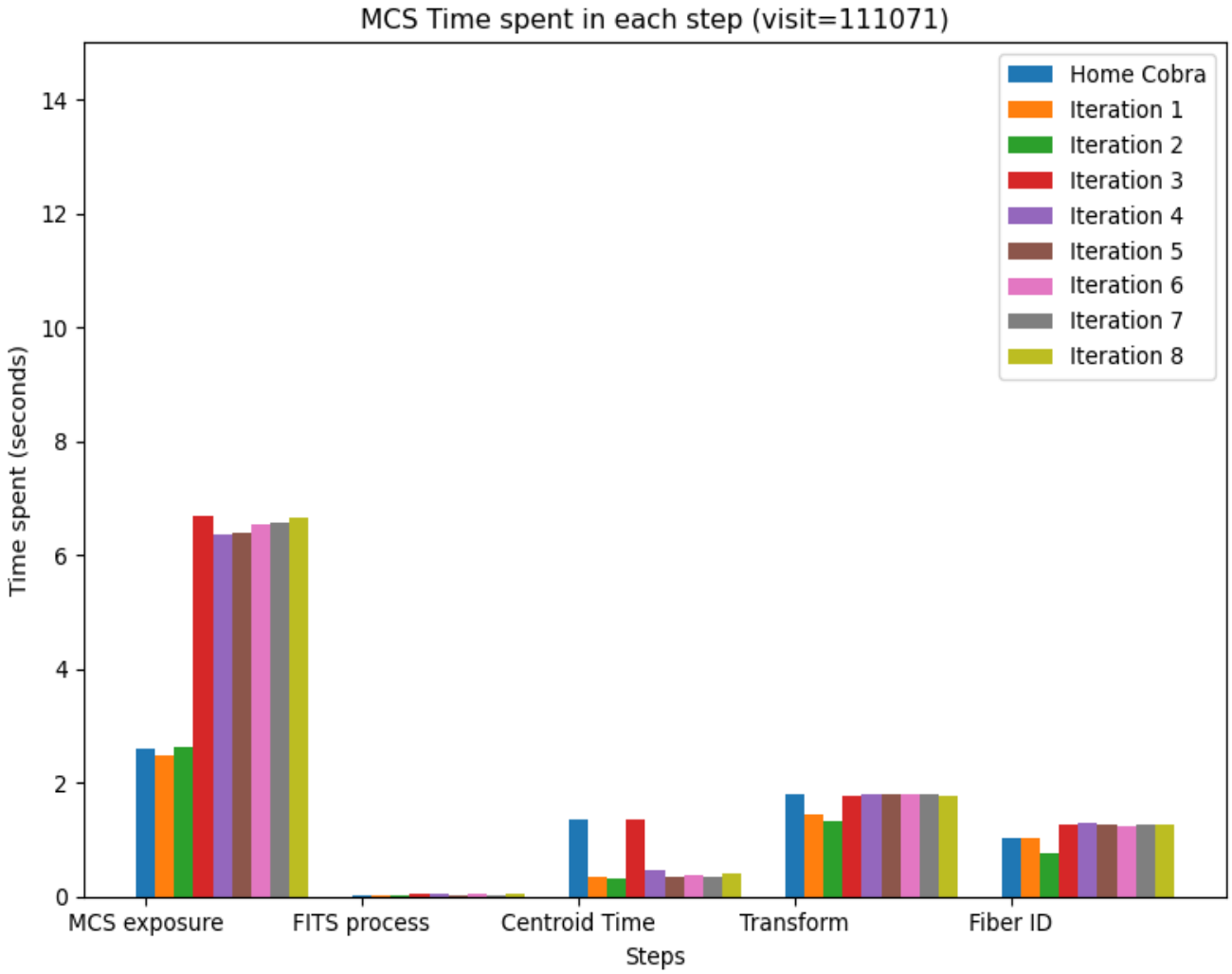
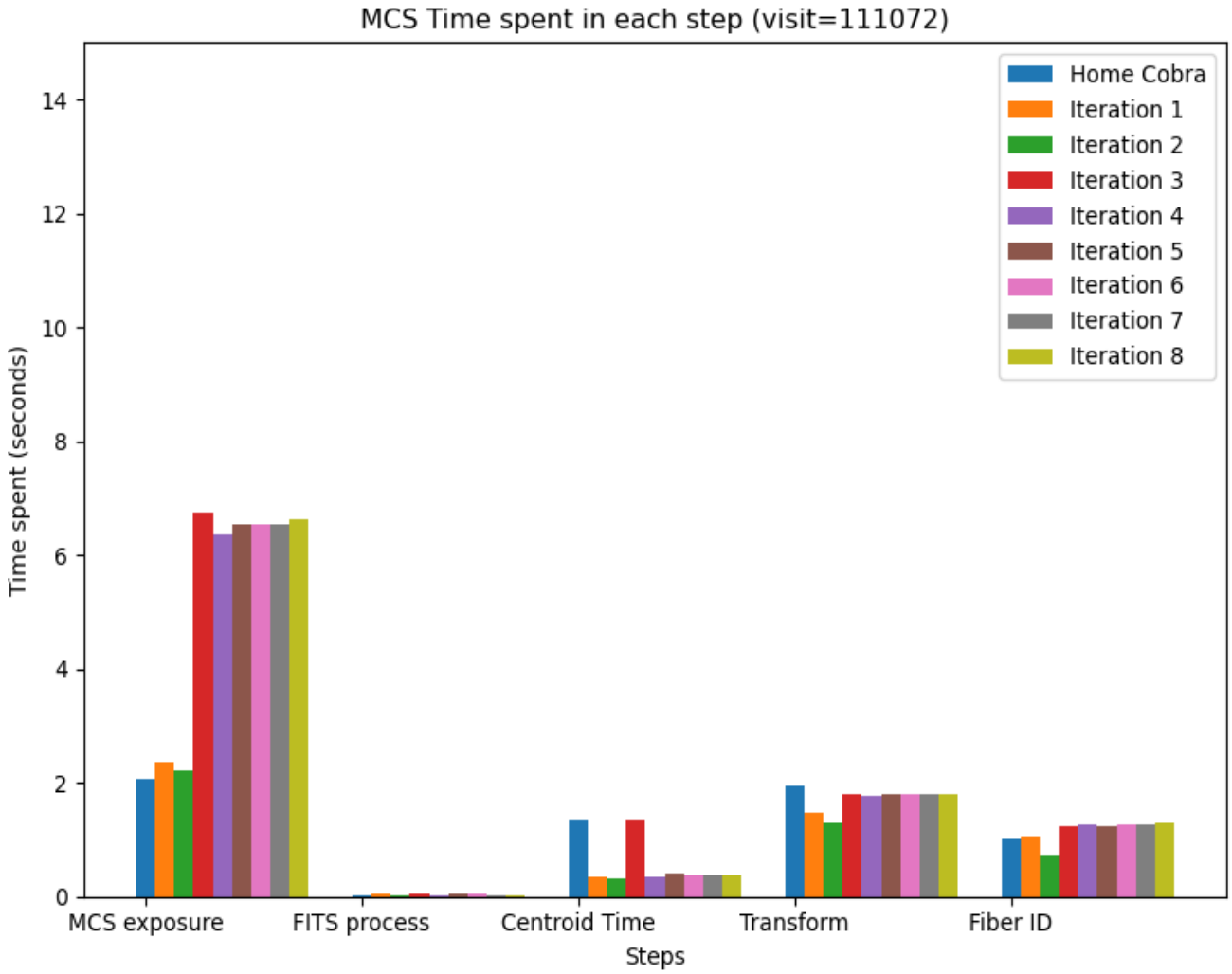
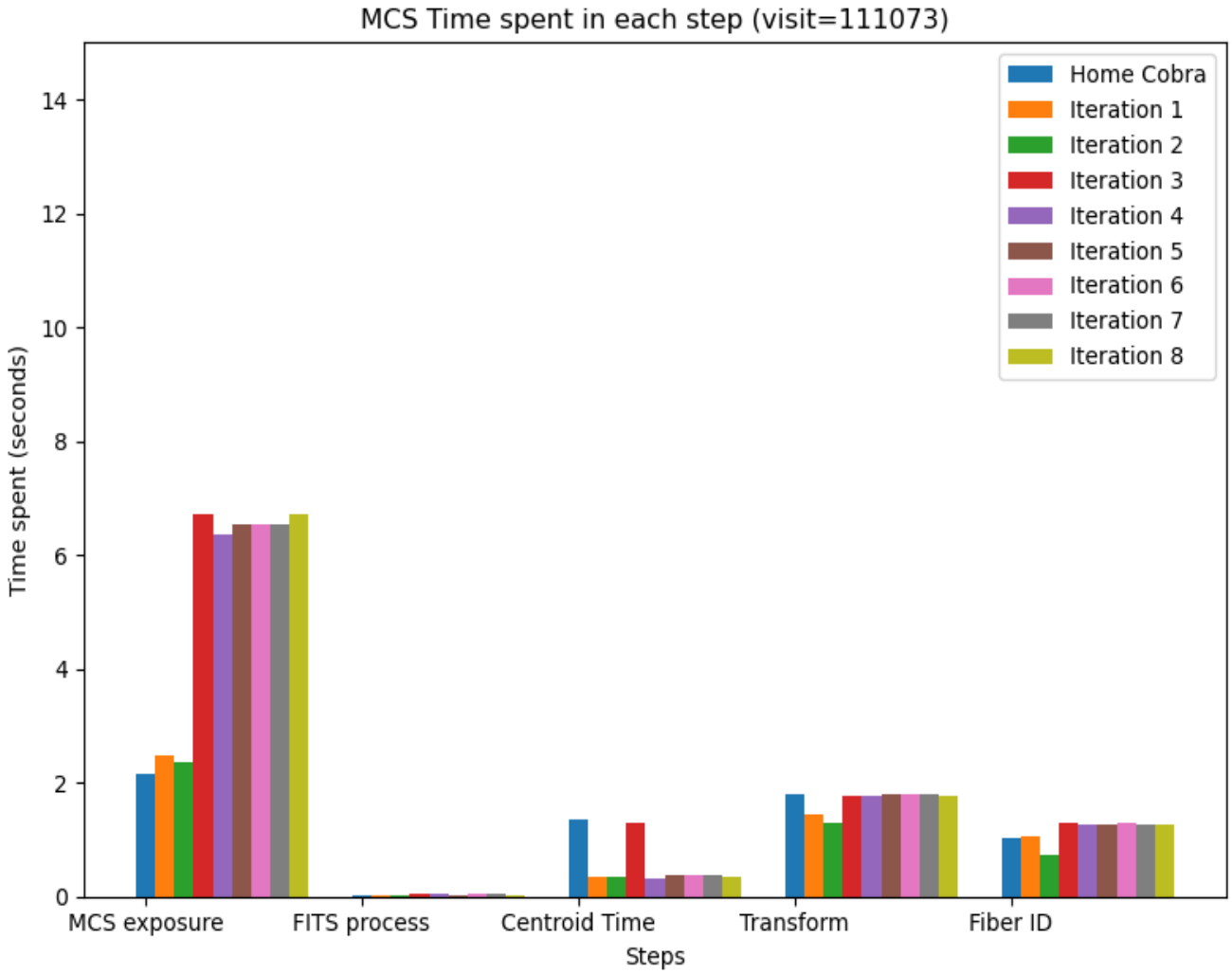
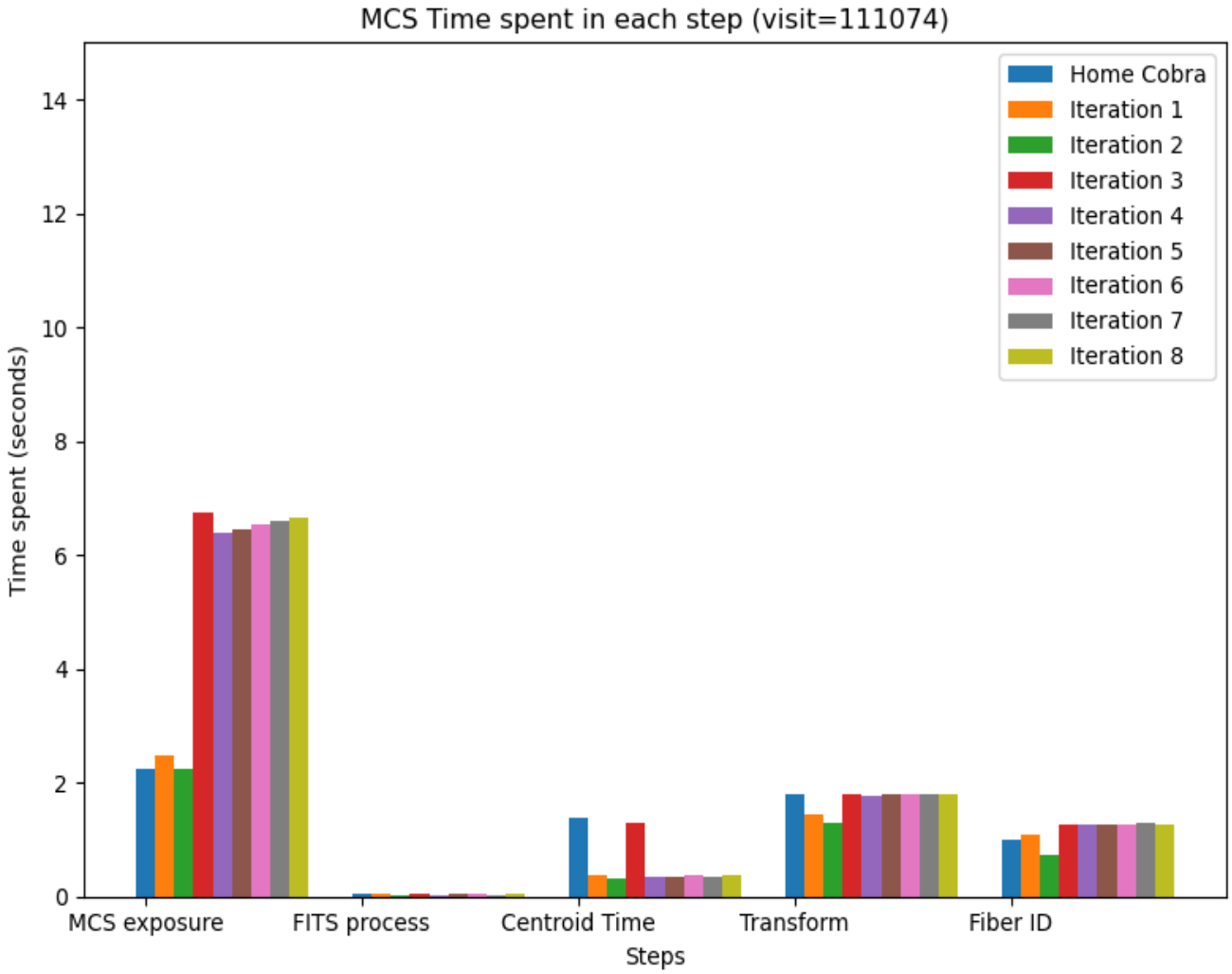
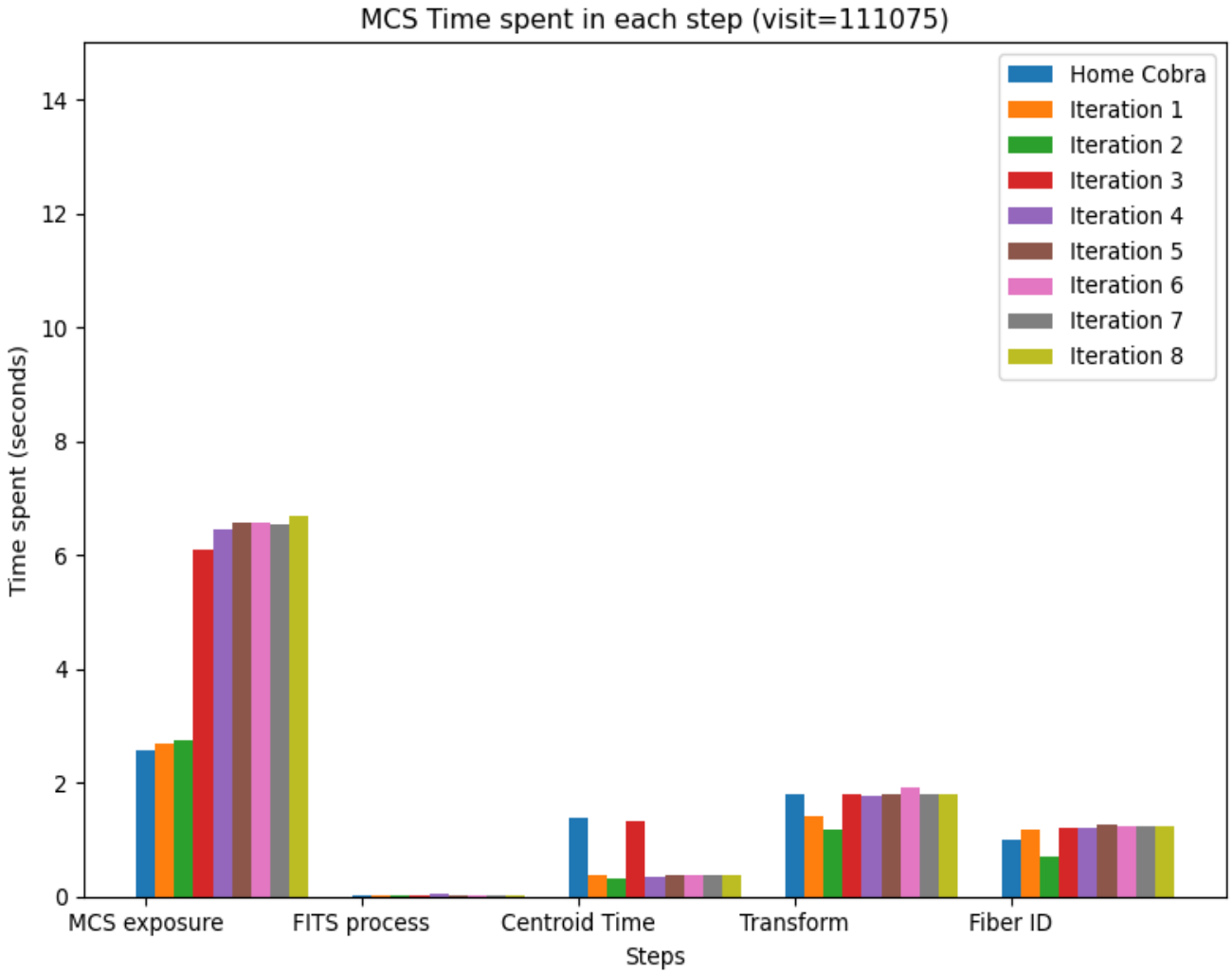
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

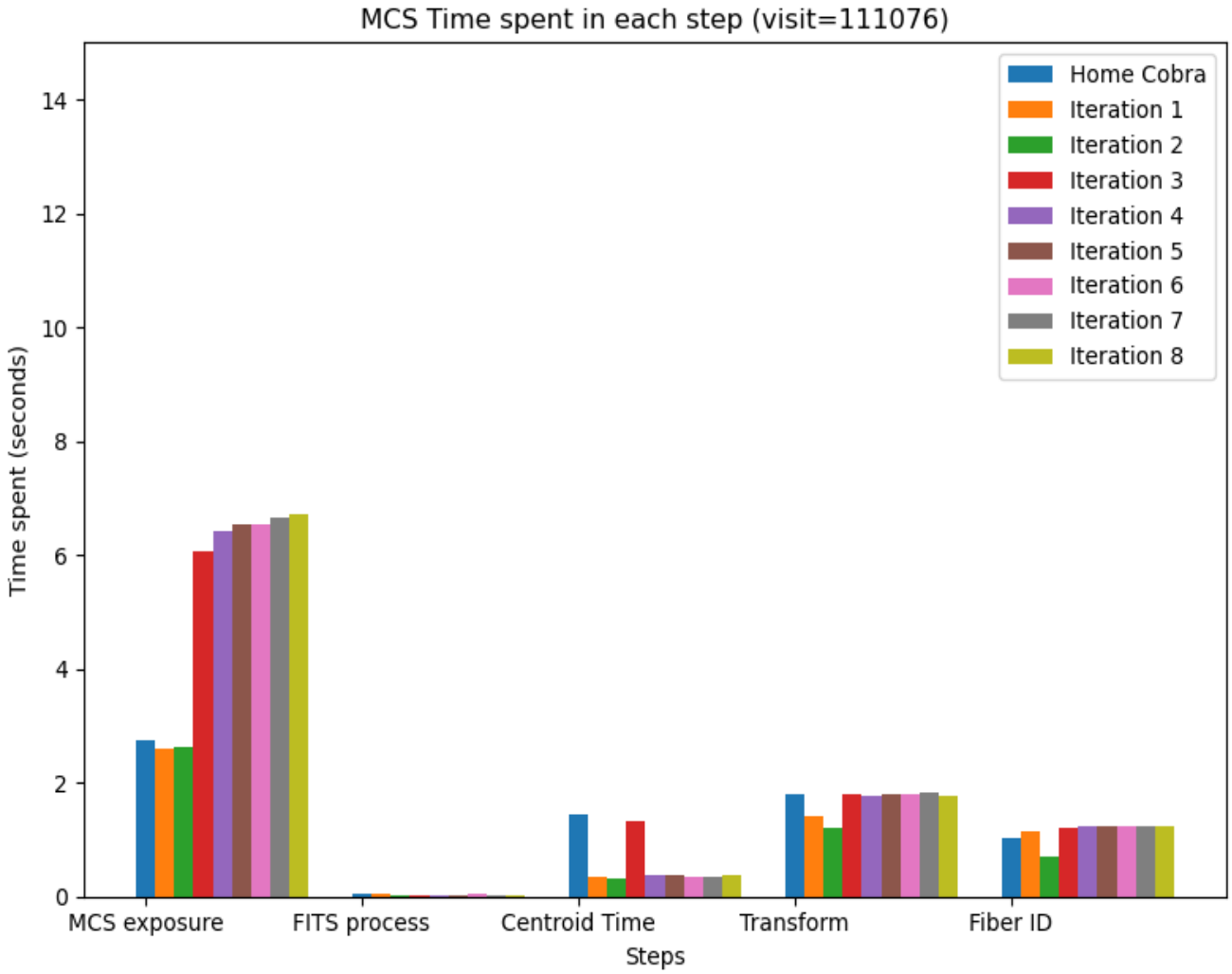

MCS Time spent in each step (visit=111071)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

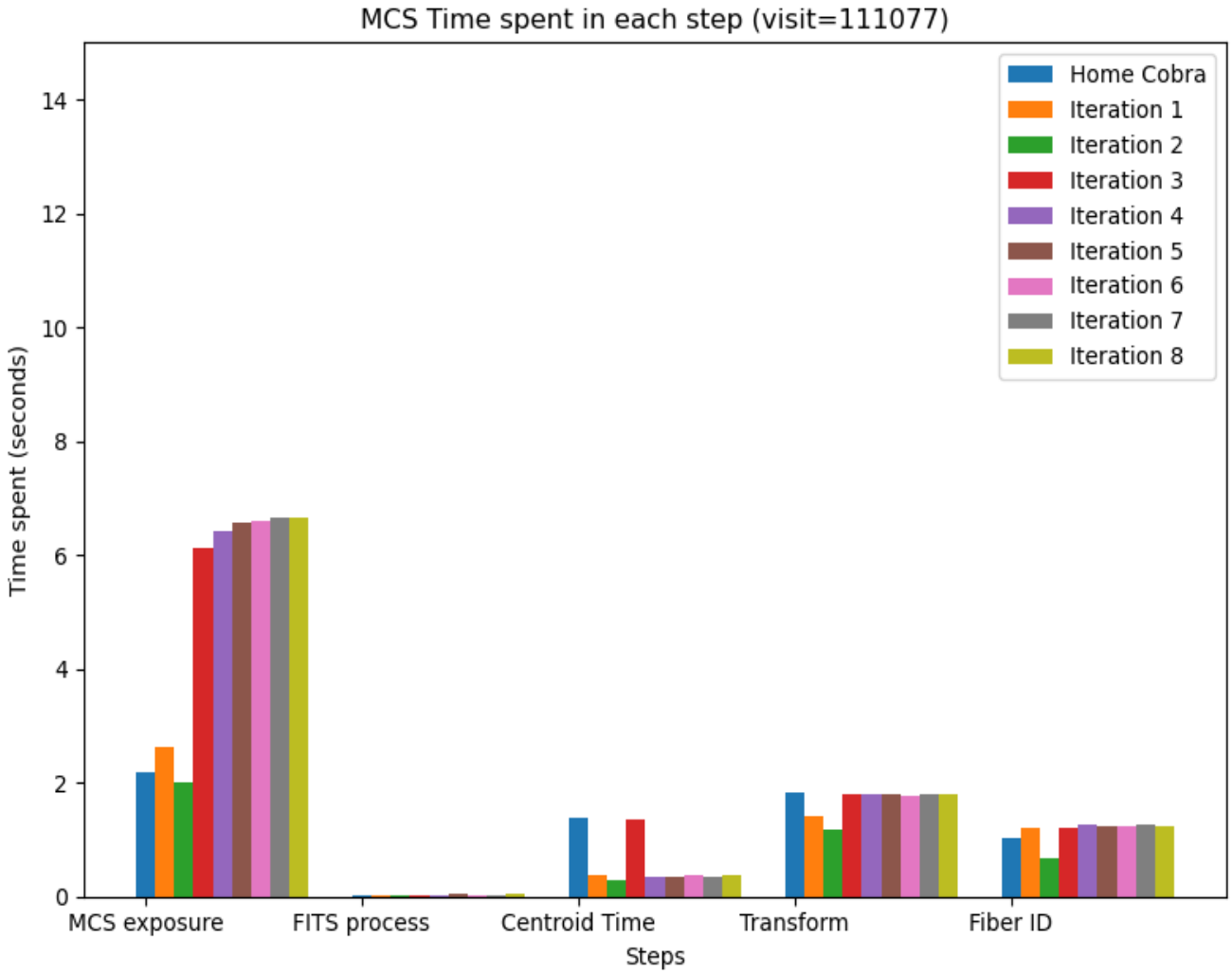

MCS Time spent in each step (visit=111072)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

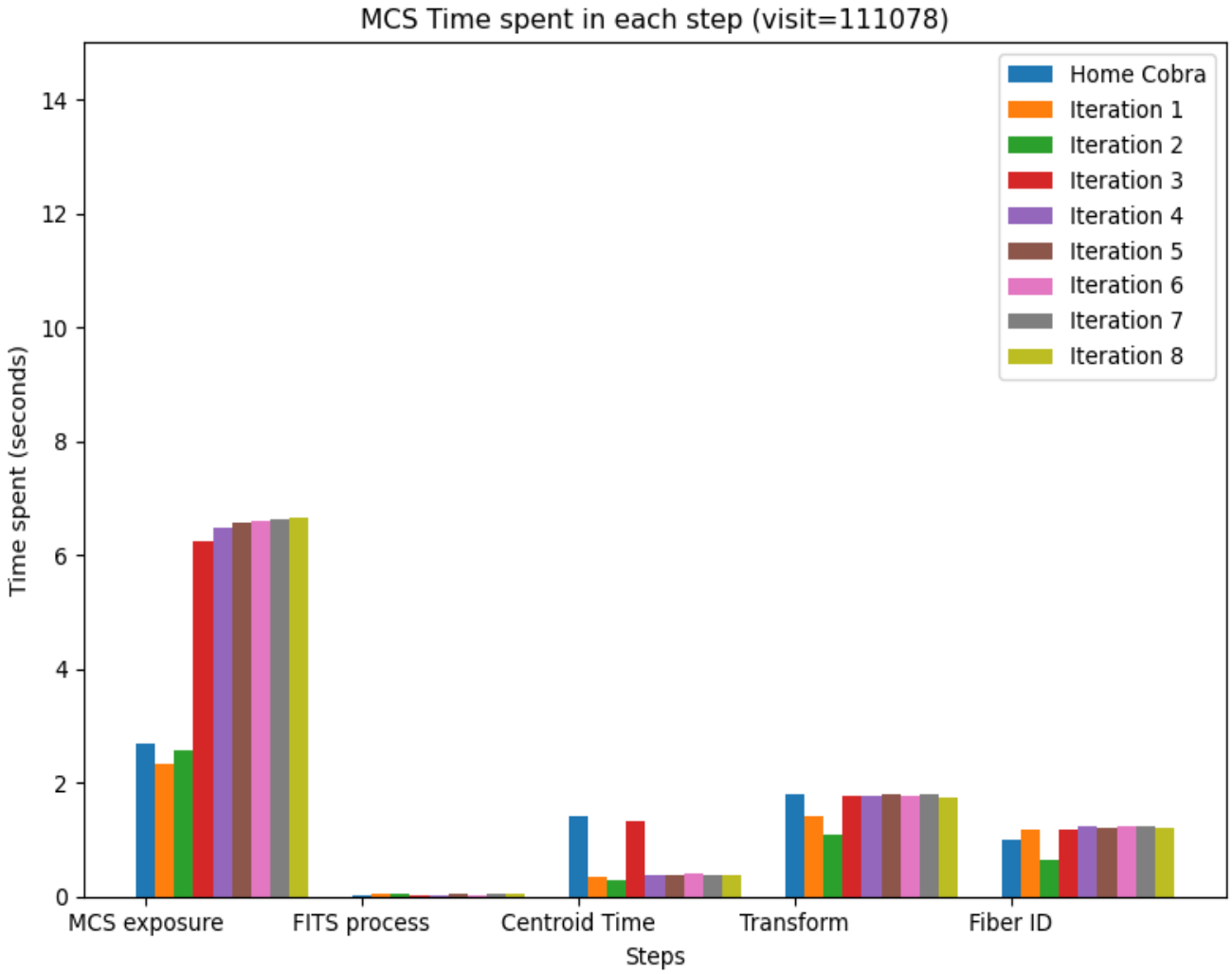

MCS Time spent in each step (visit=111073)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

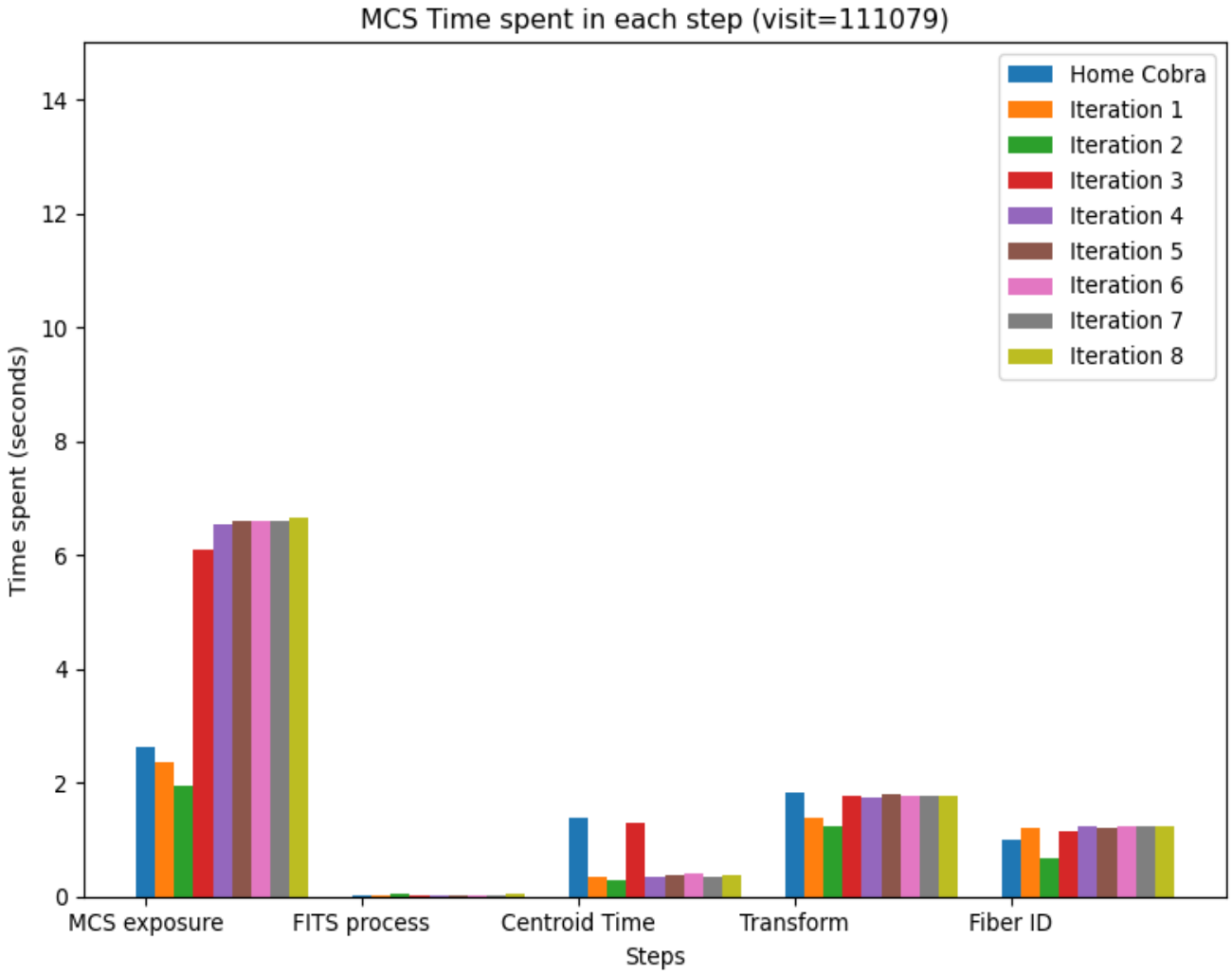

MCS Time spent in each step (visit=111074)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps


MCS Time spent in each step (visit=111075)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps


MCS Time spent in each step (visit=111076)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps


MCS Time spent in each step (visit=111077)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps


MCS Time spent in each step (visit=111078)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps


MCS Time spent in each step (visit=111079)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
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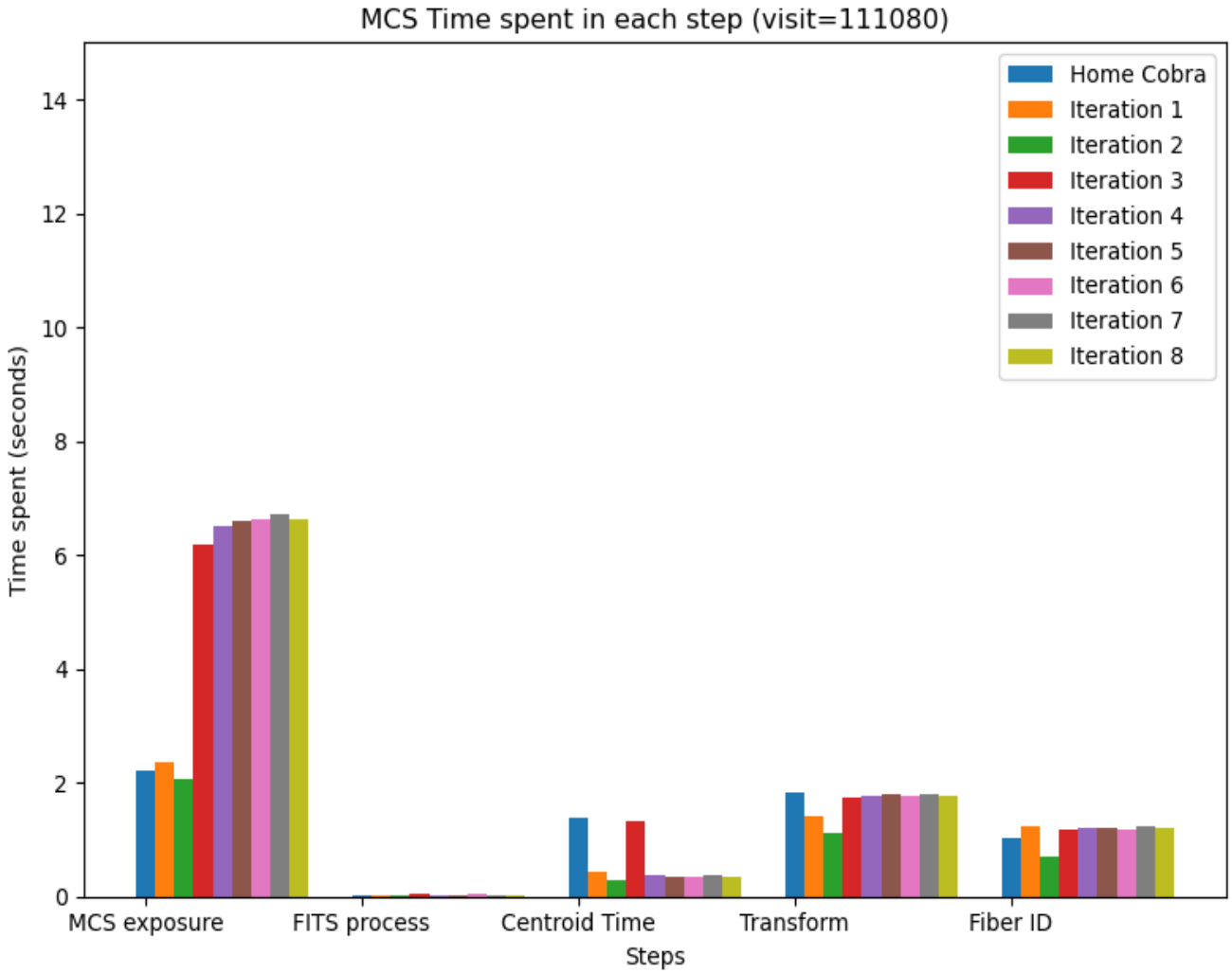
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps


MCS Time spent in each step (visit=111080)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
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8
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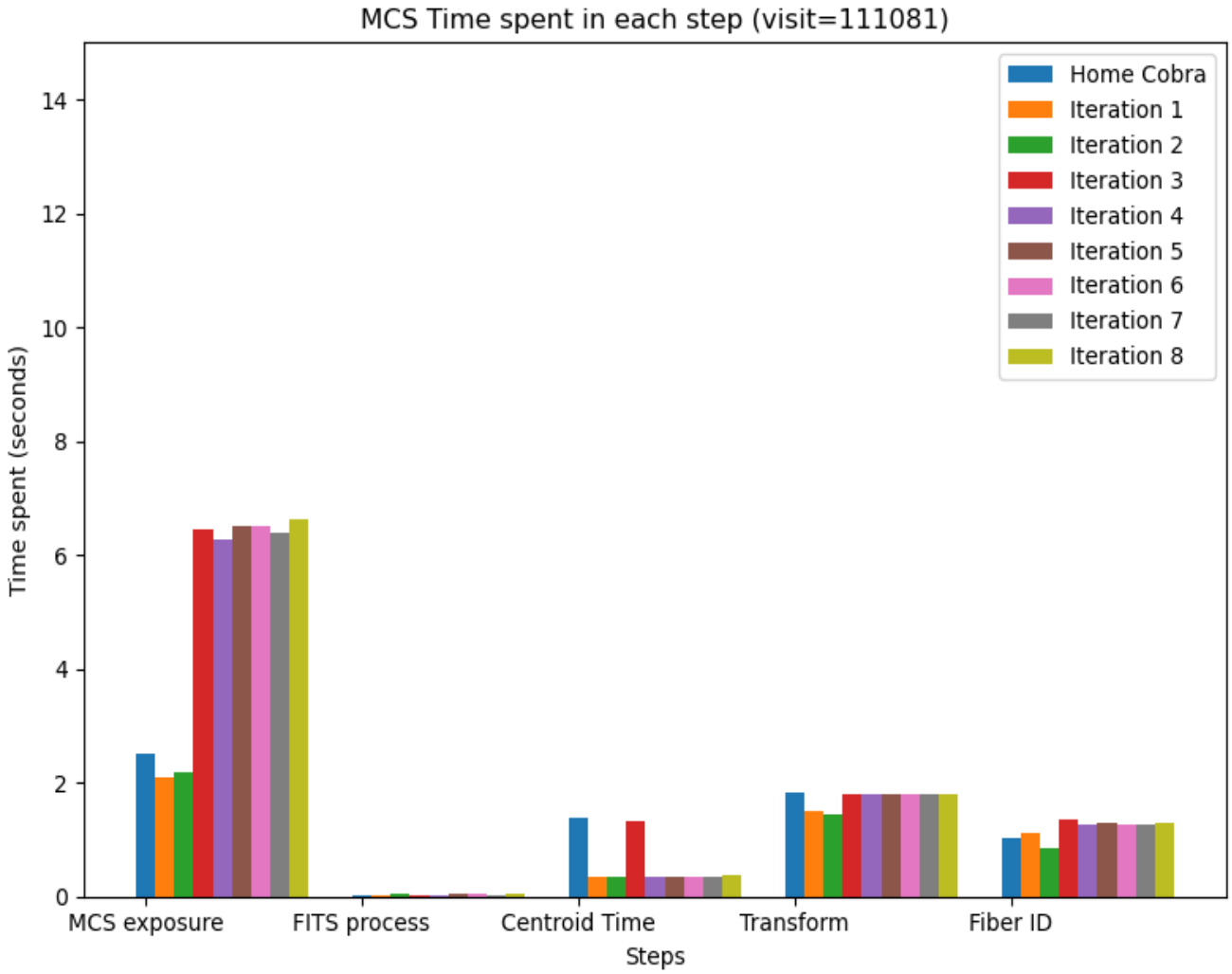
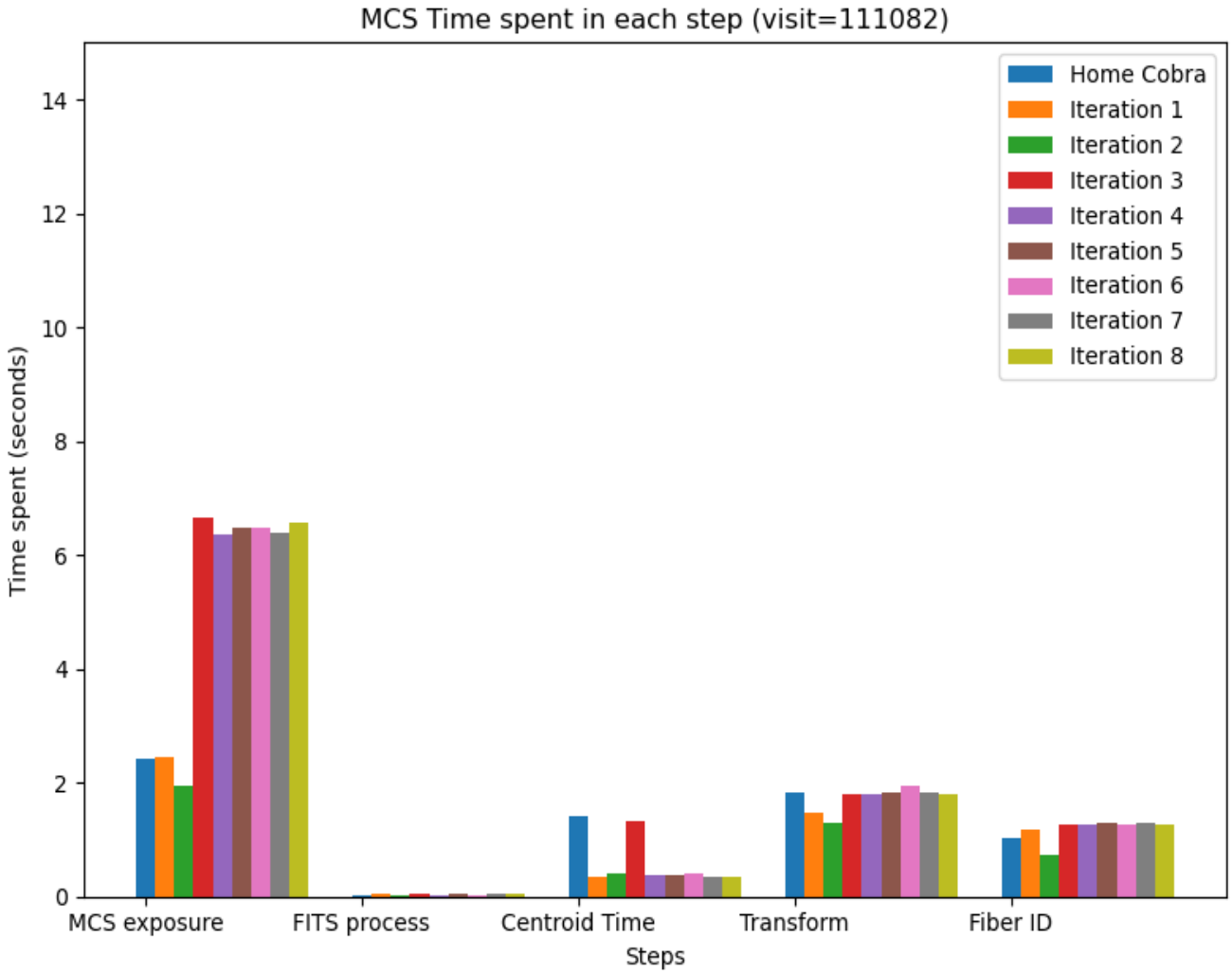
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps


MCS Time spent in each step (visit=111081)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps


MCS Time spent in each step (visit=111082)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
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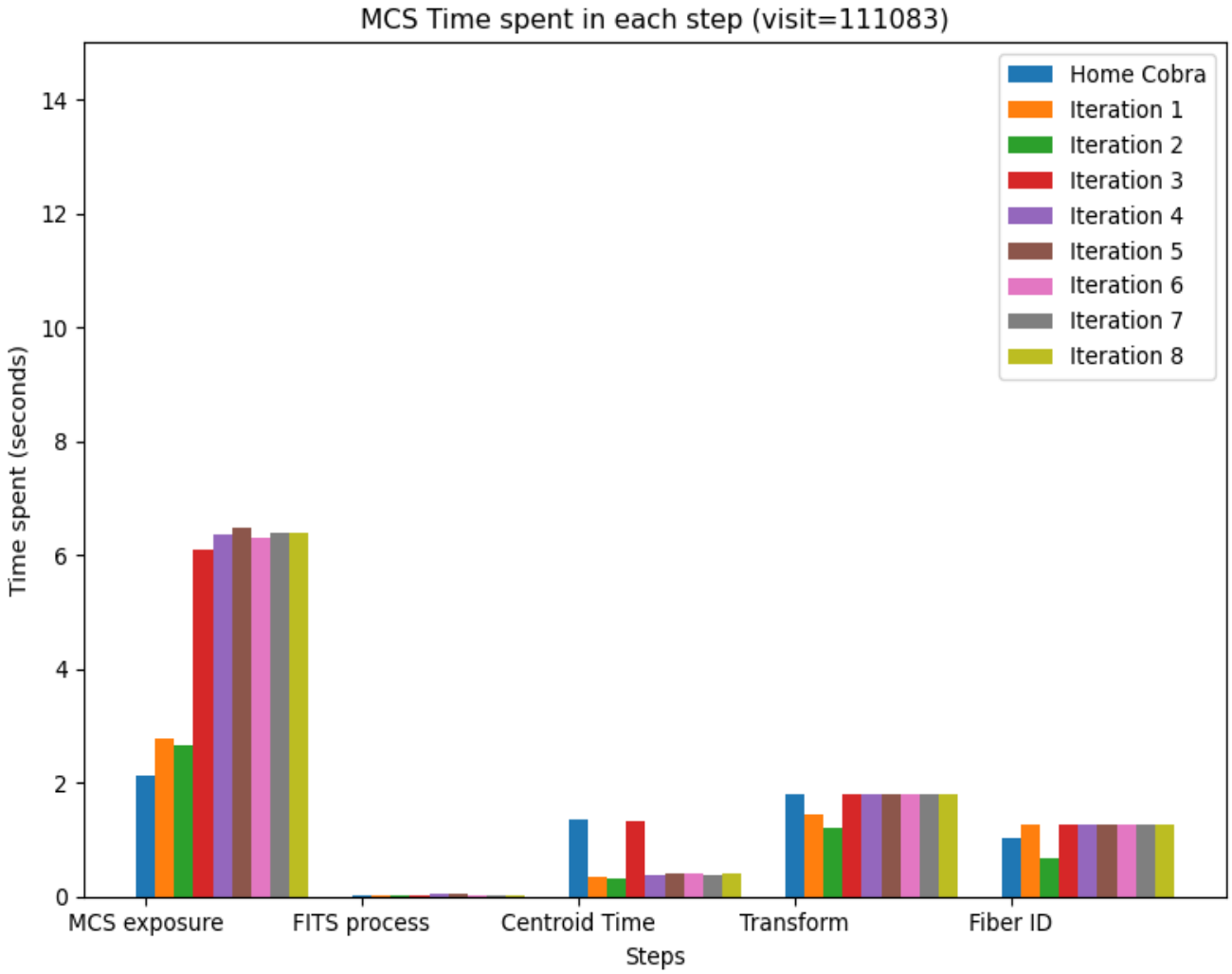
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps


MCS Time spent in each step (visit=111083)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
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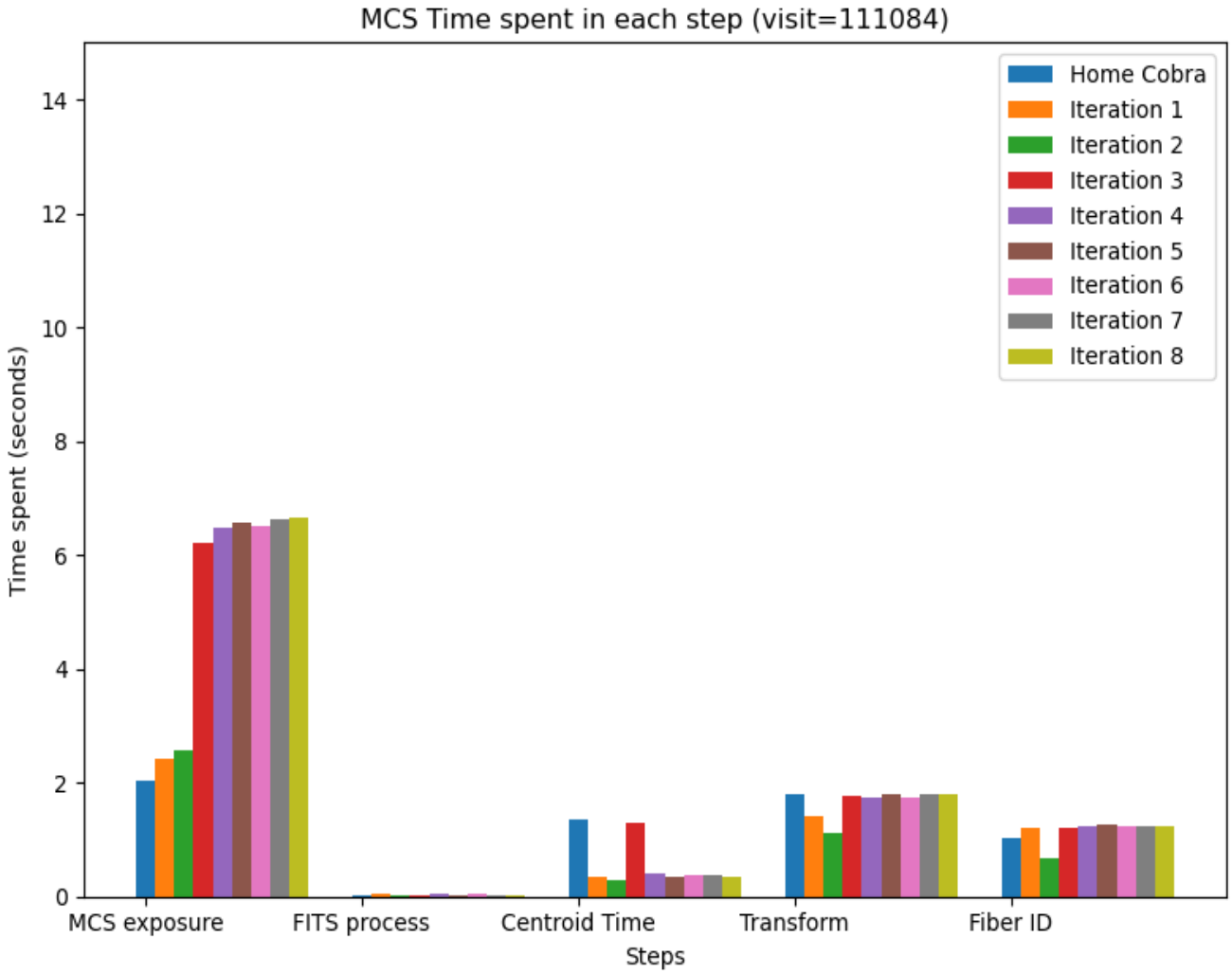
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps


MCS Time spent in each step (visit=111084)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
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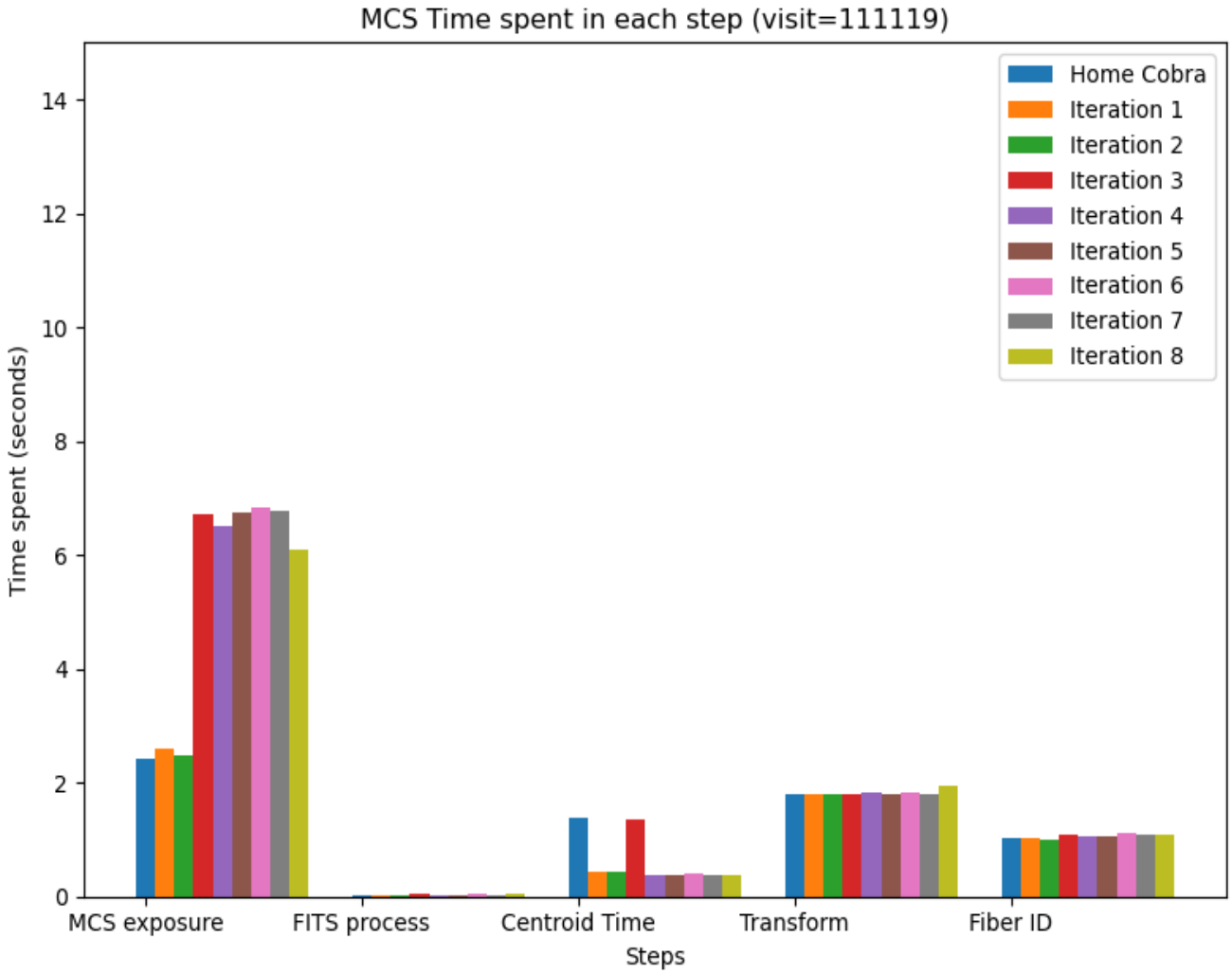
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps


MCS Time spent in each step (visit=111119)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
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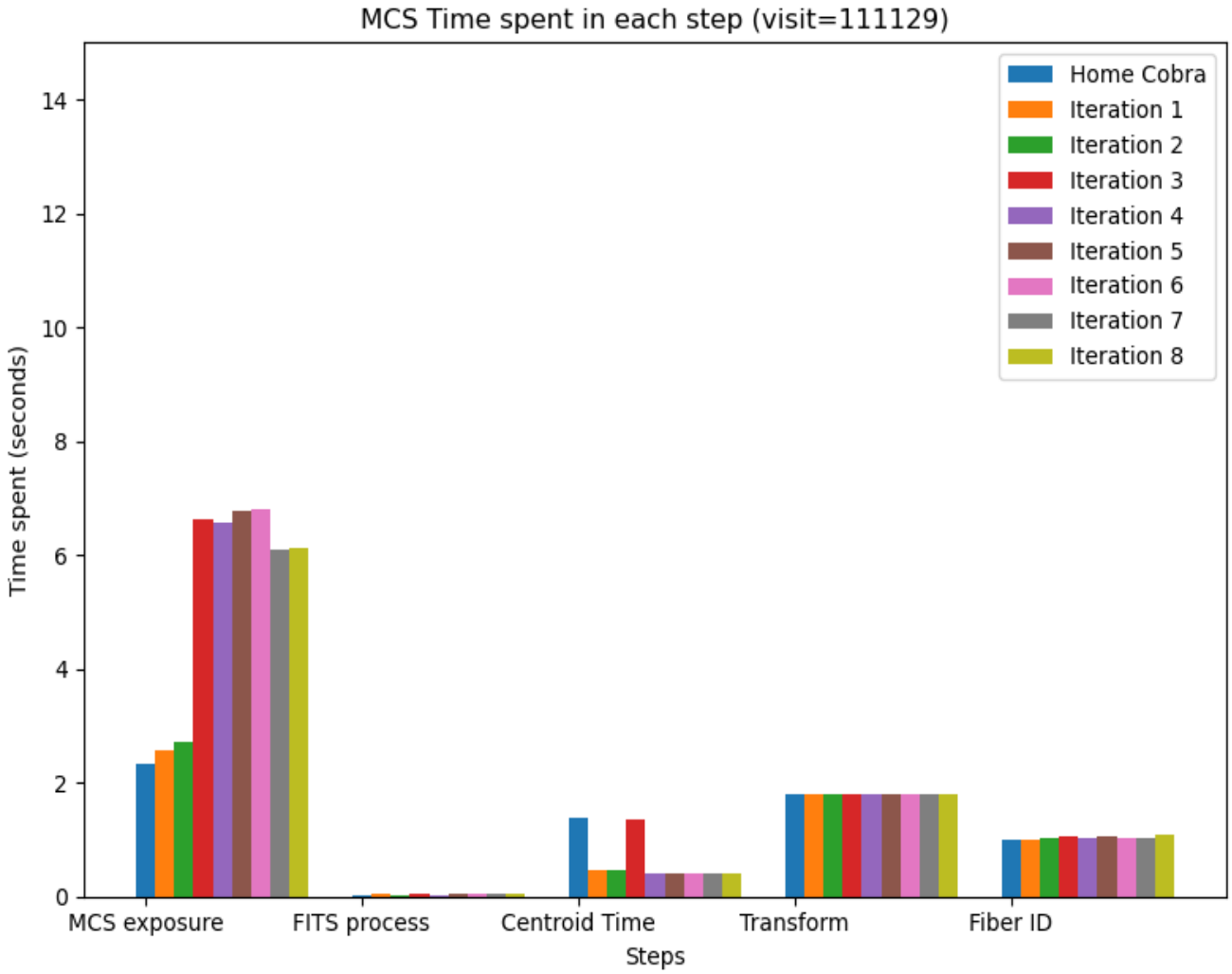
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps


MCS Time spent in each step (visit=111129)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
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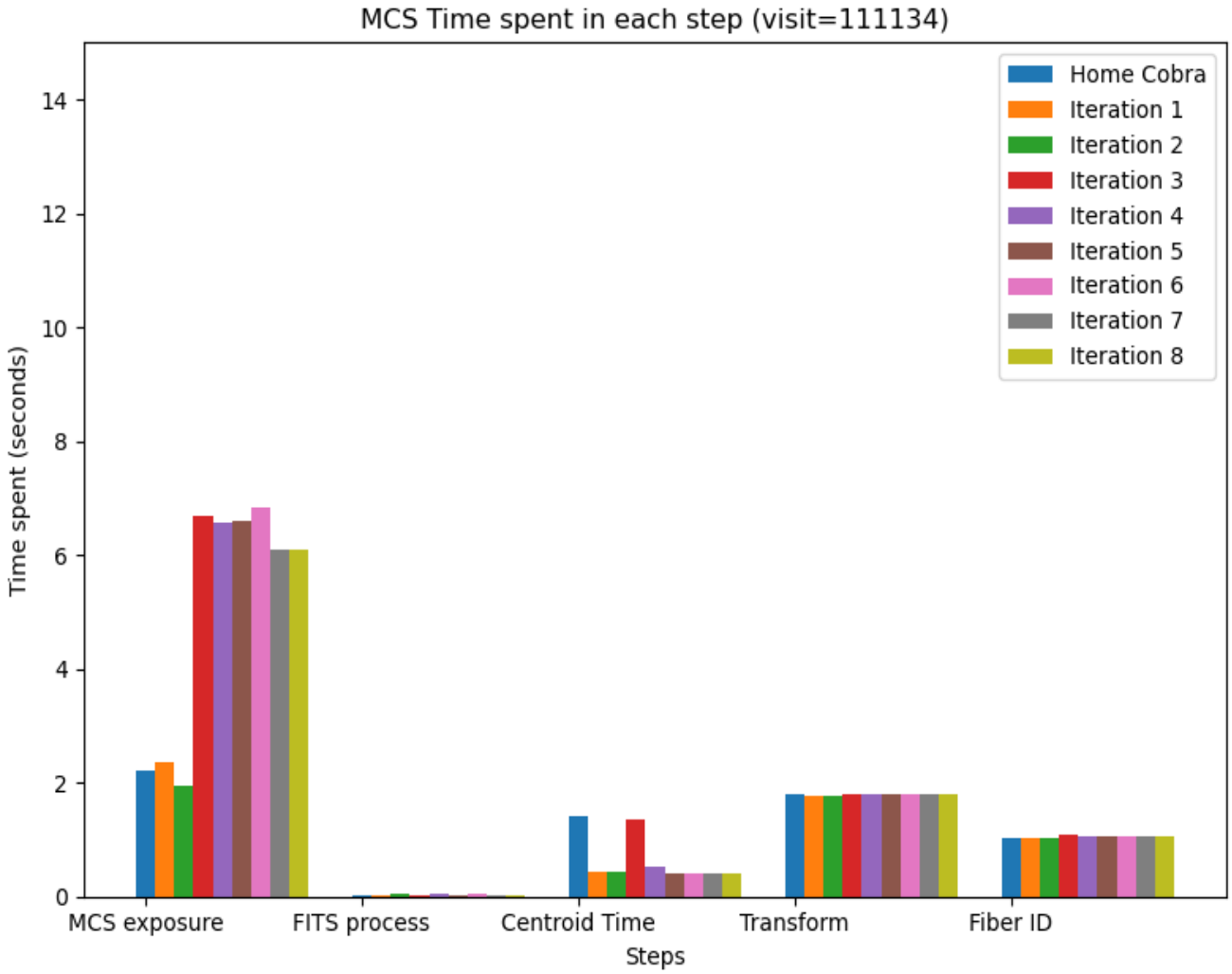
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps


MCS Time spent in each step (visit=111134)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
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8
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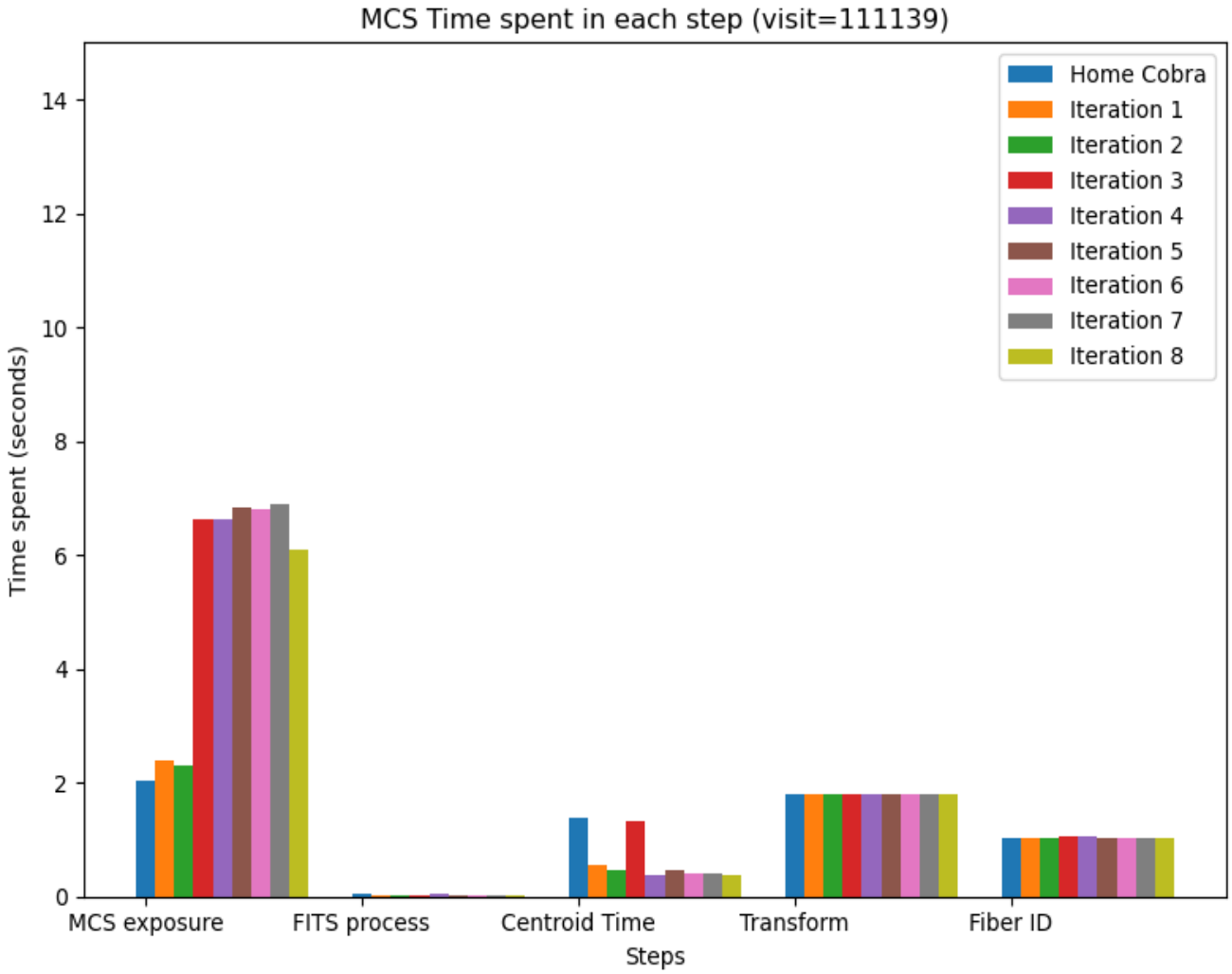
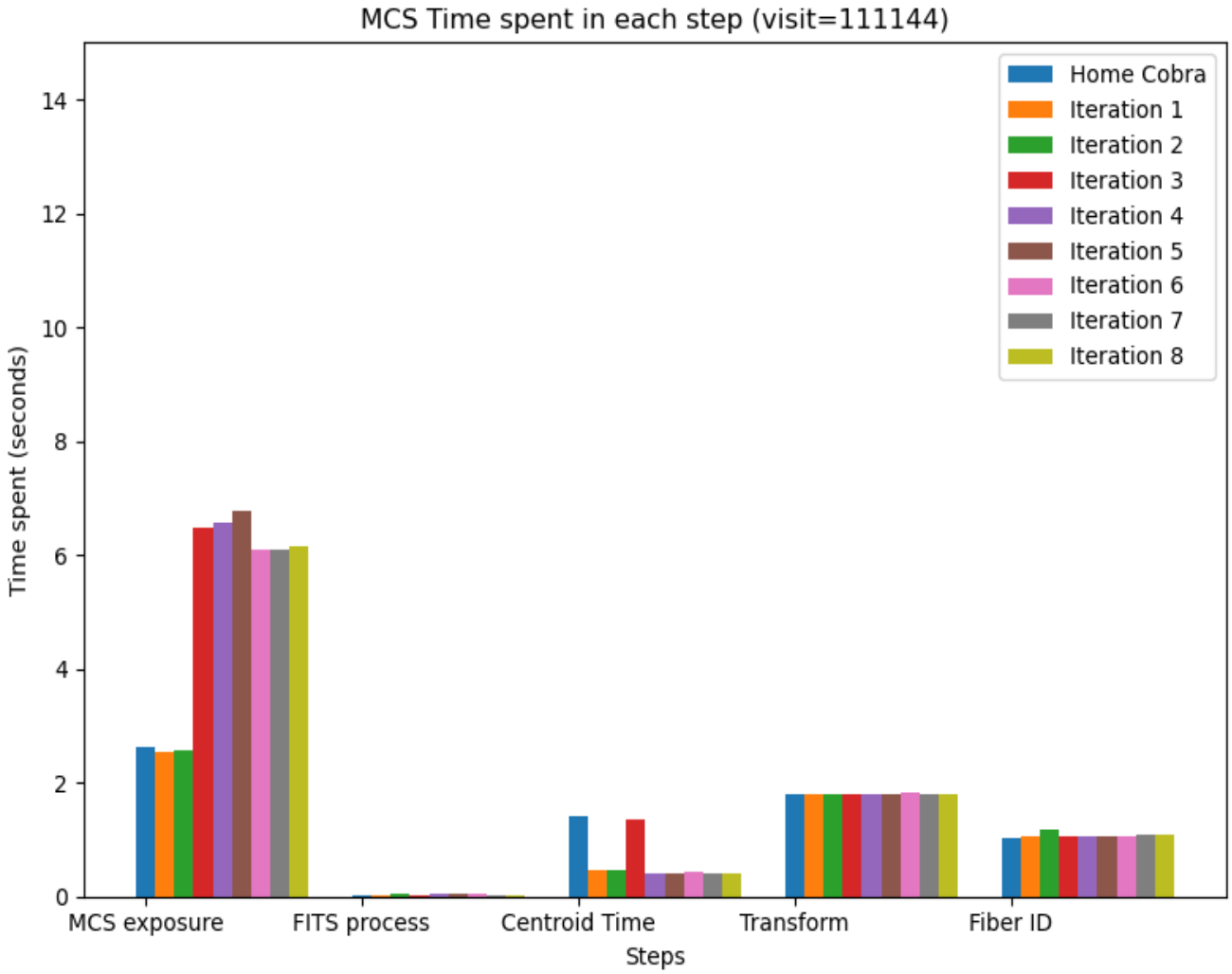
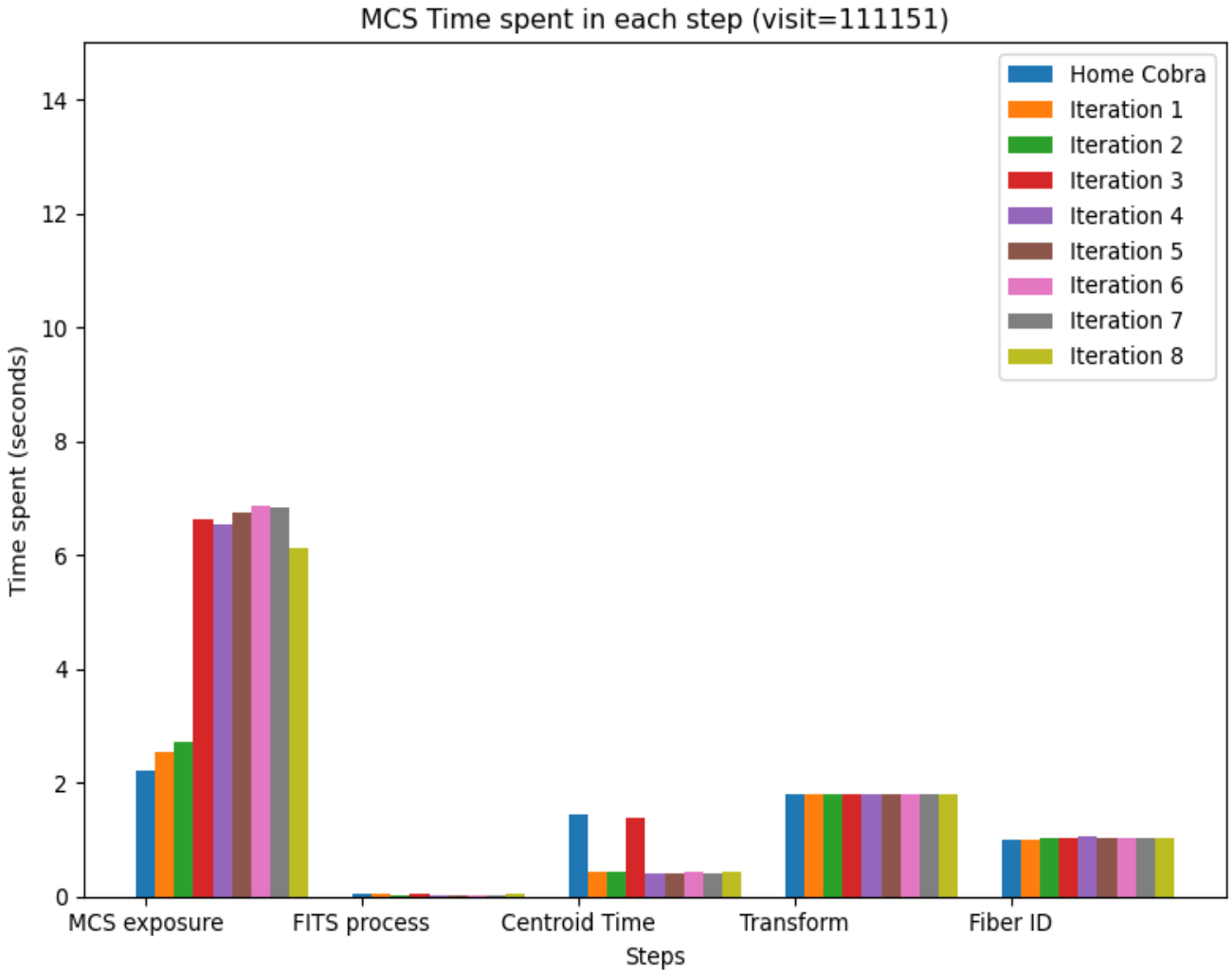
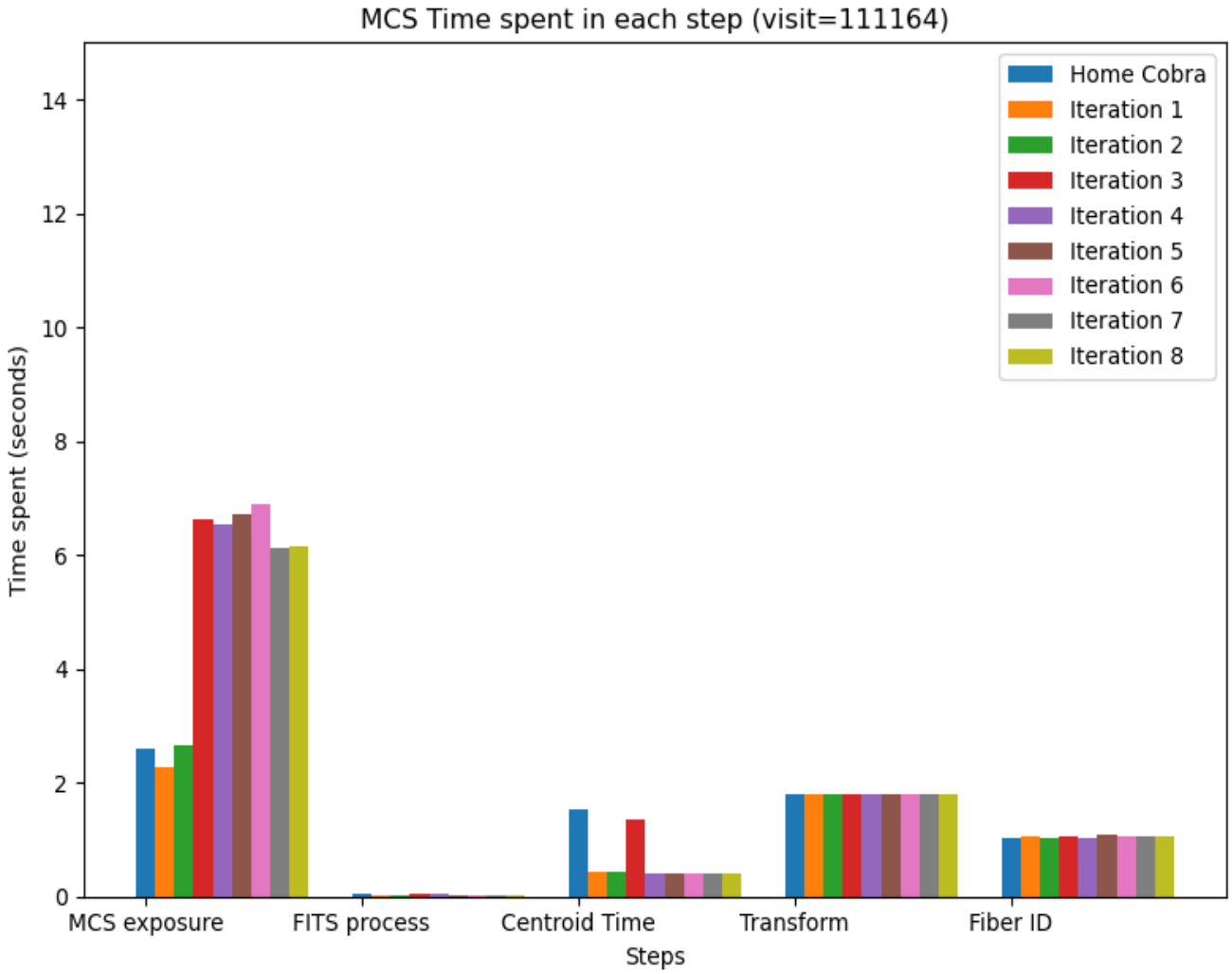
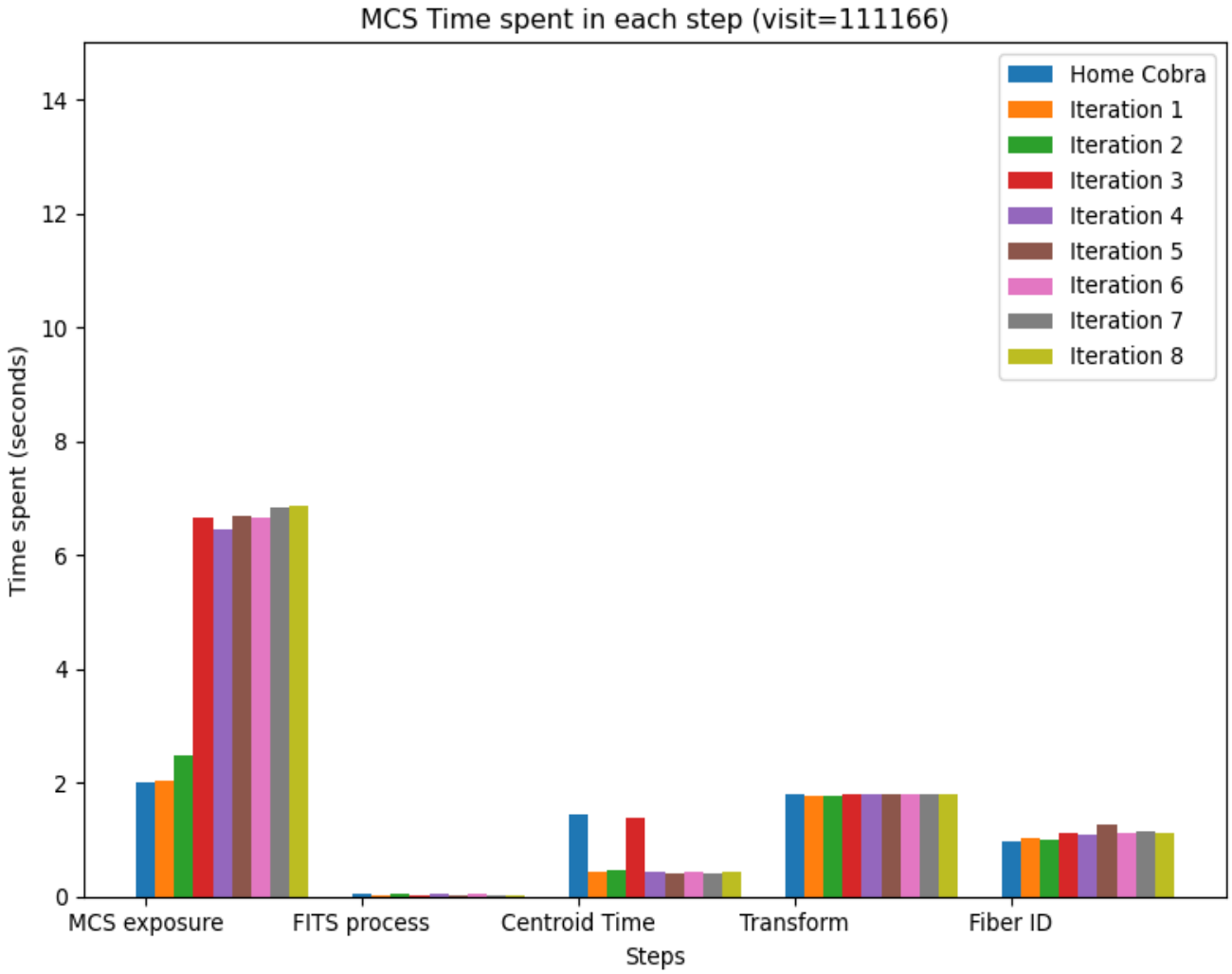
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

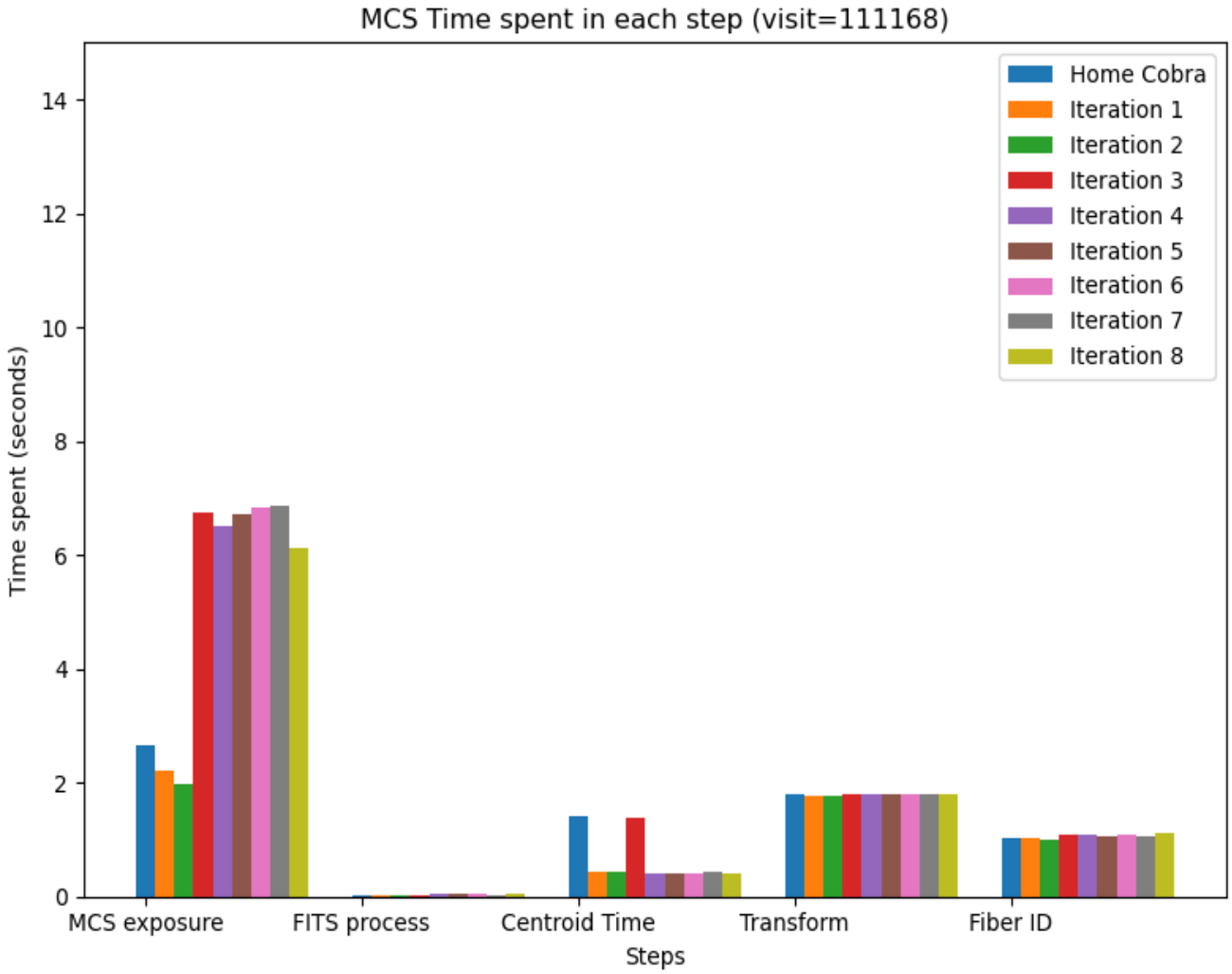

MCS Time spent in each step (visit=111139)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

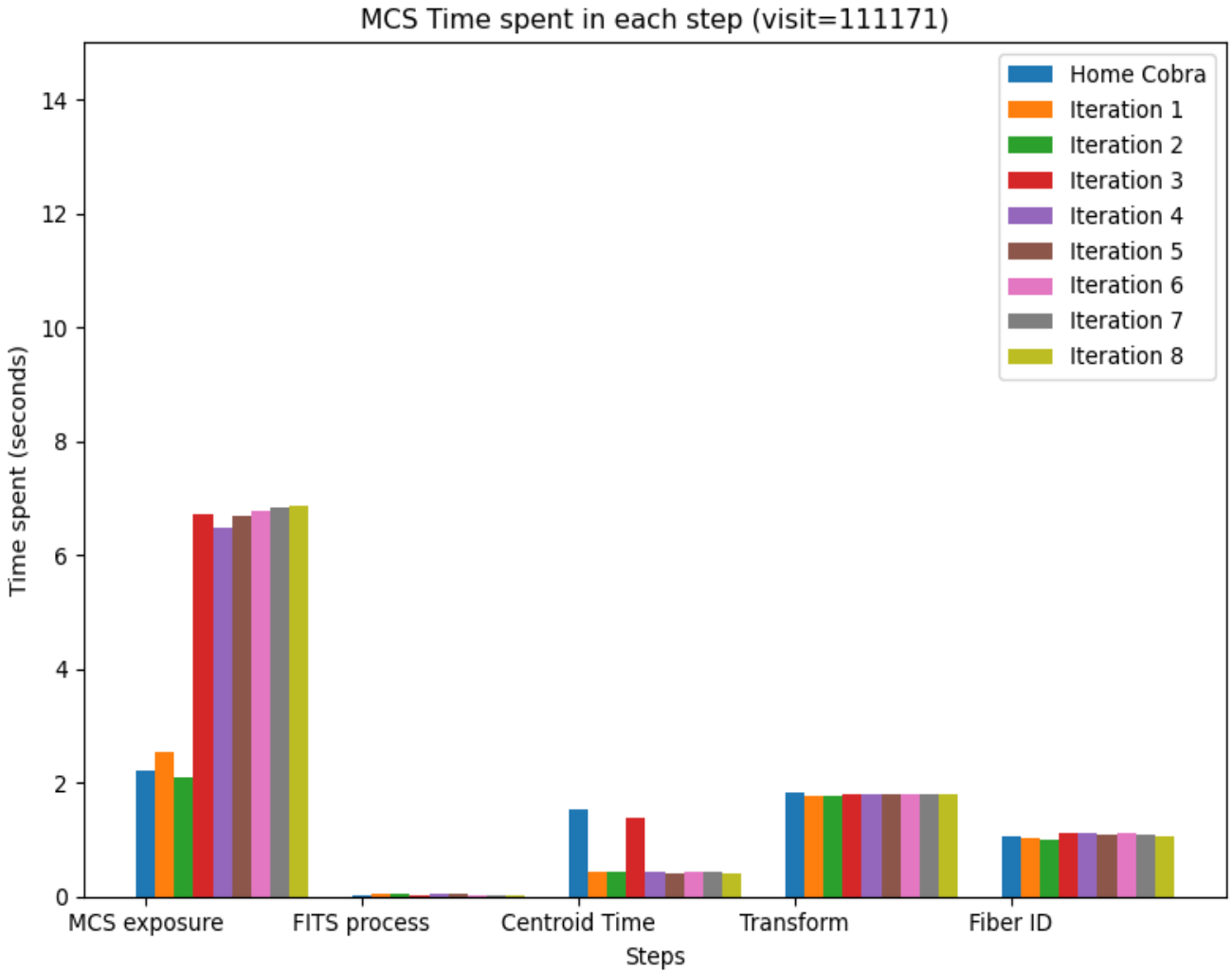

MCS Time spent in each step (visit=111144)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

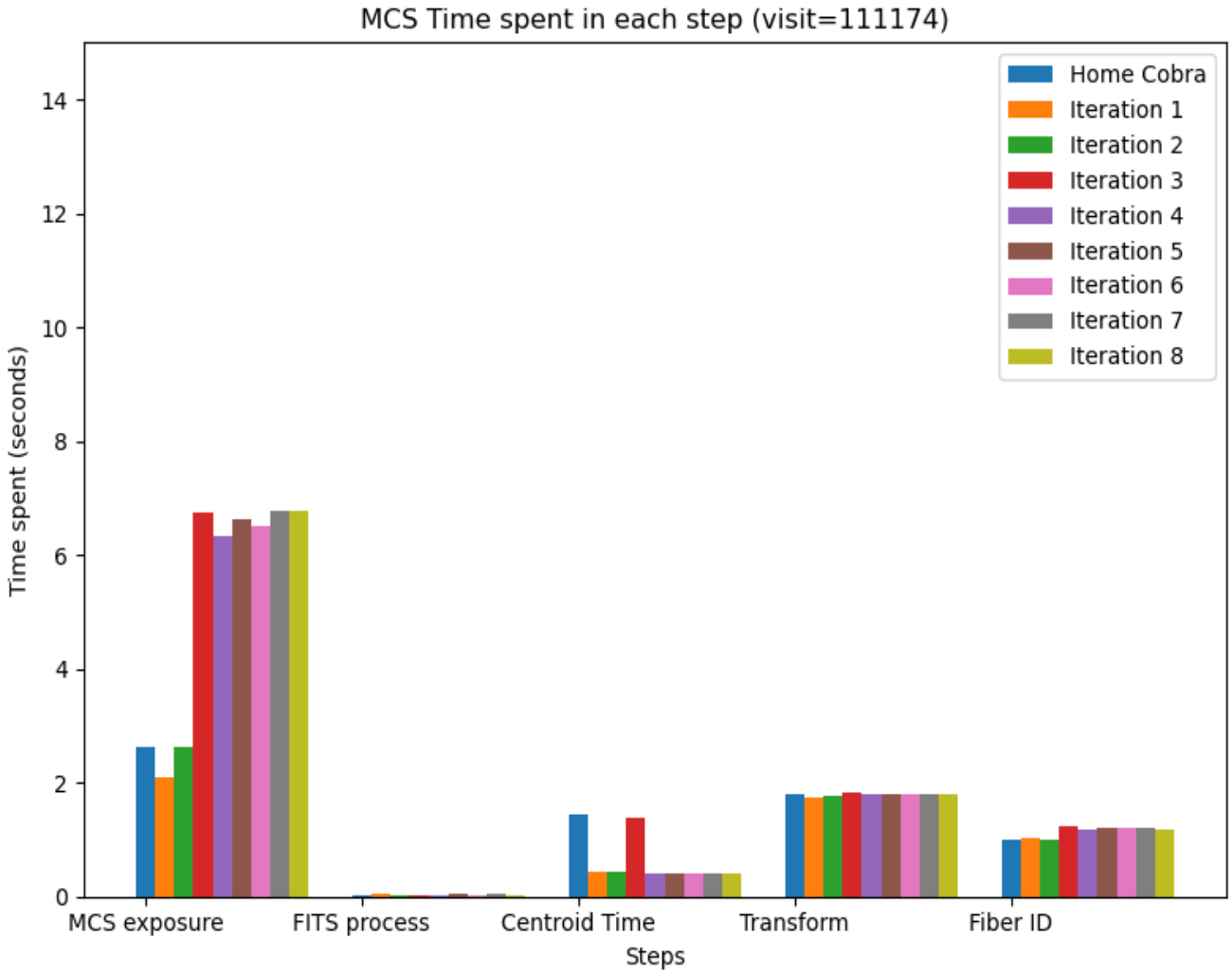

MCS Time spent in each step (visit=111151)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

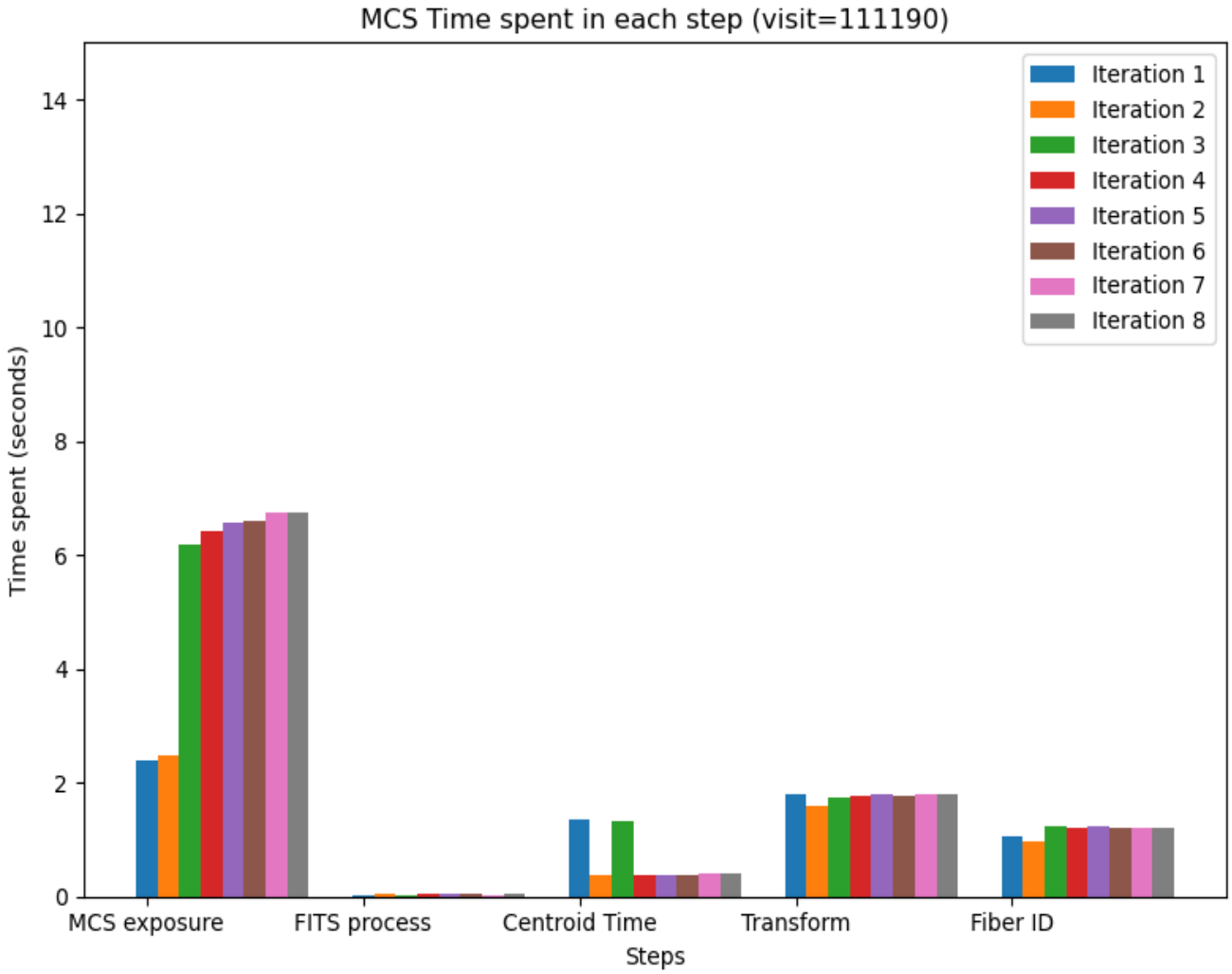

MCS Time spent in each step (visit=111164)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

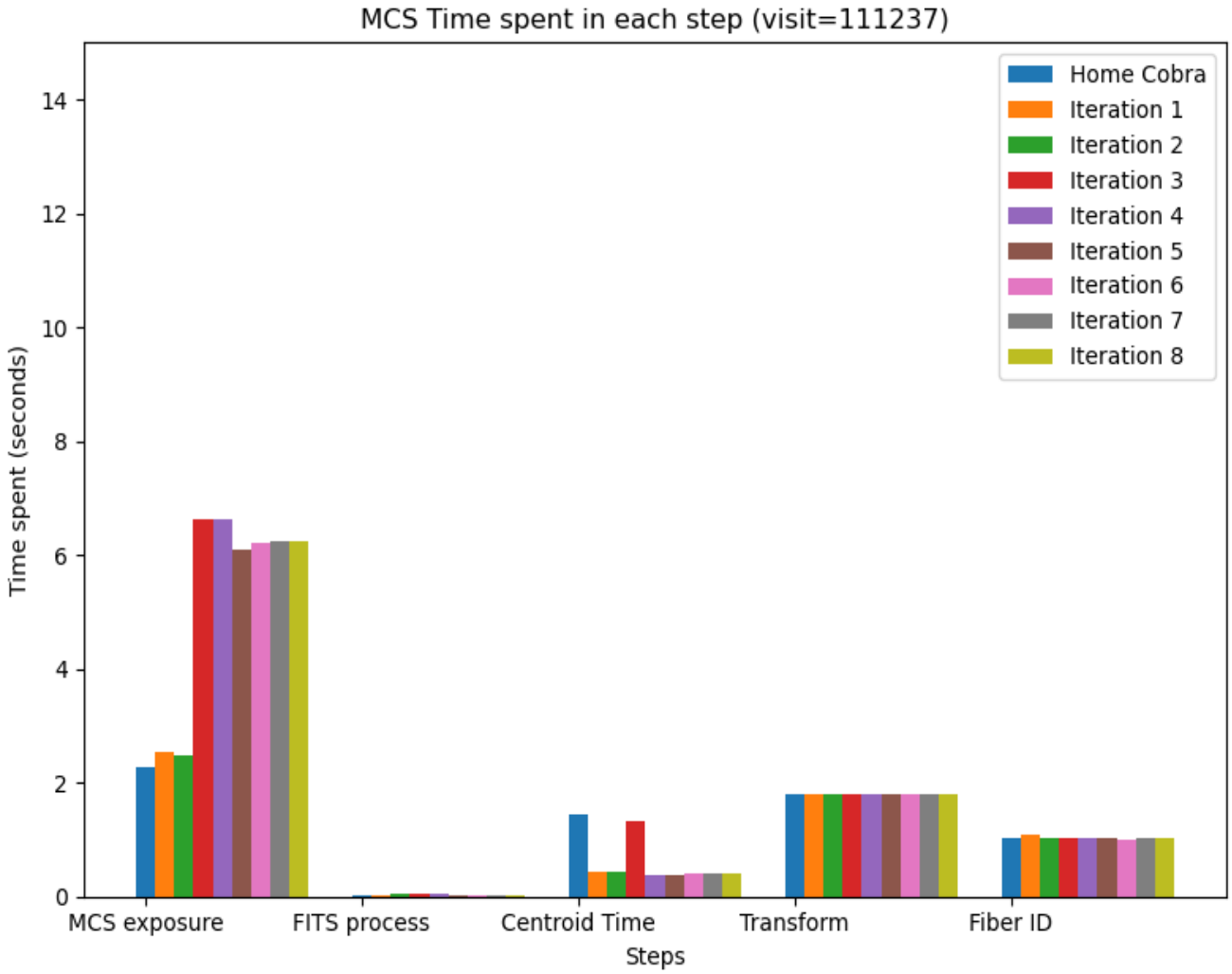

MCS Time spent in each step (visit=111166)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

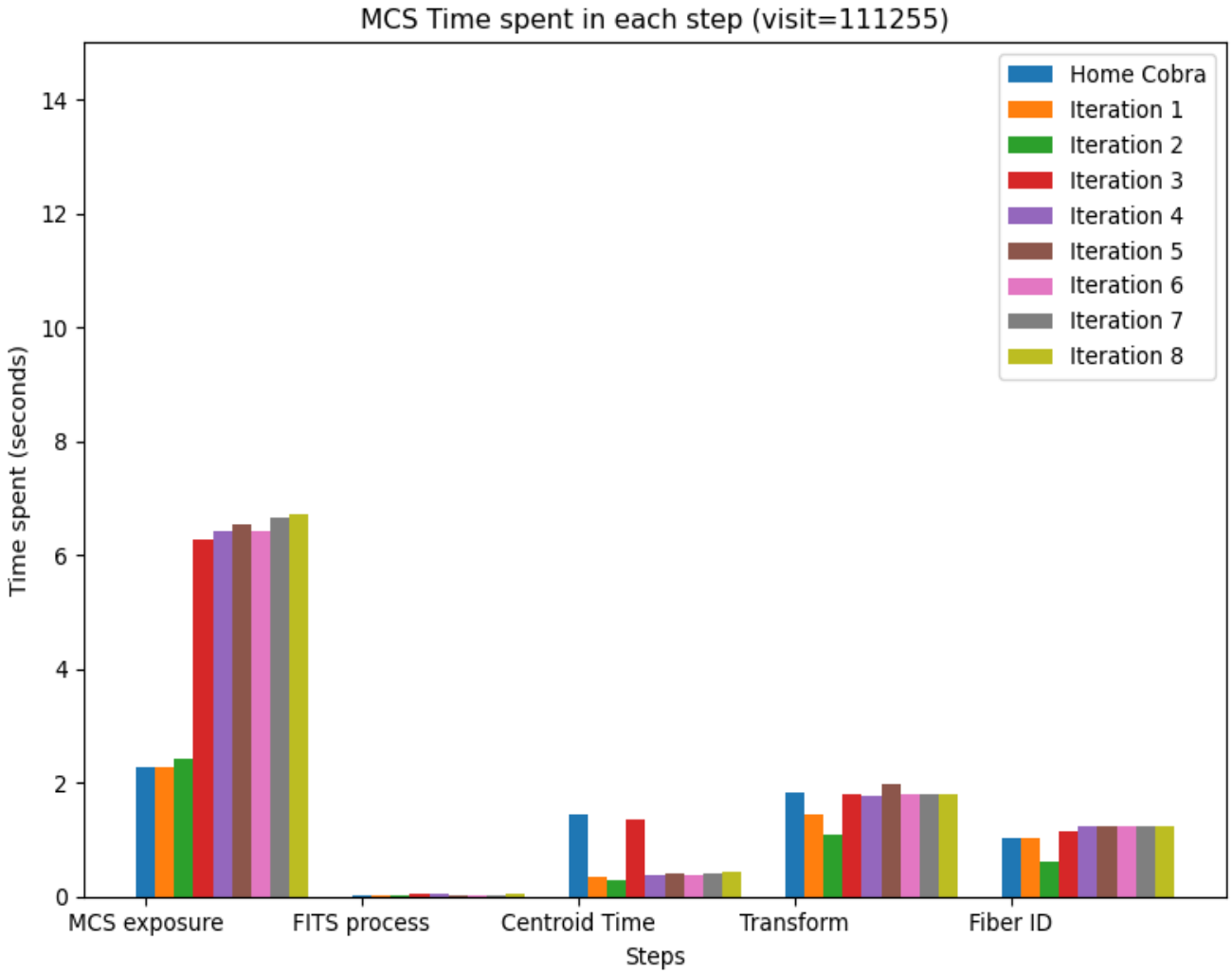

MCS Time spent in each step (visit=111168)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

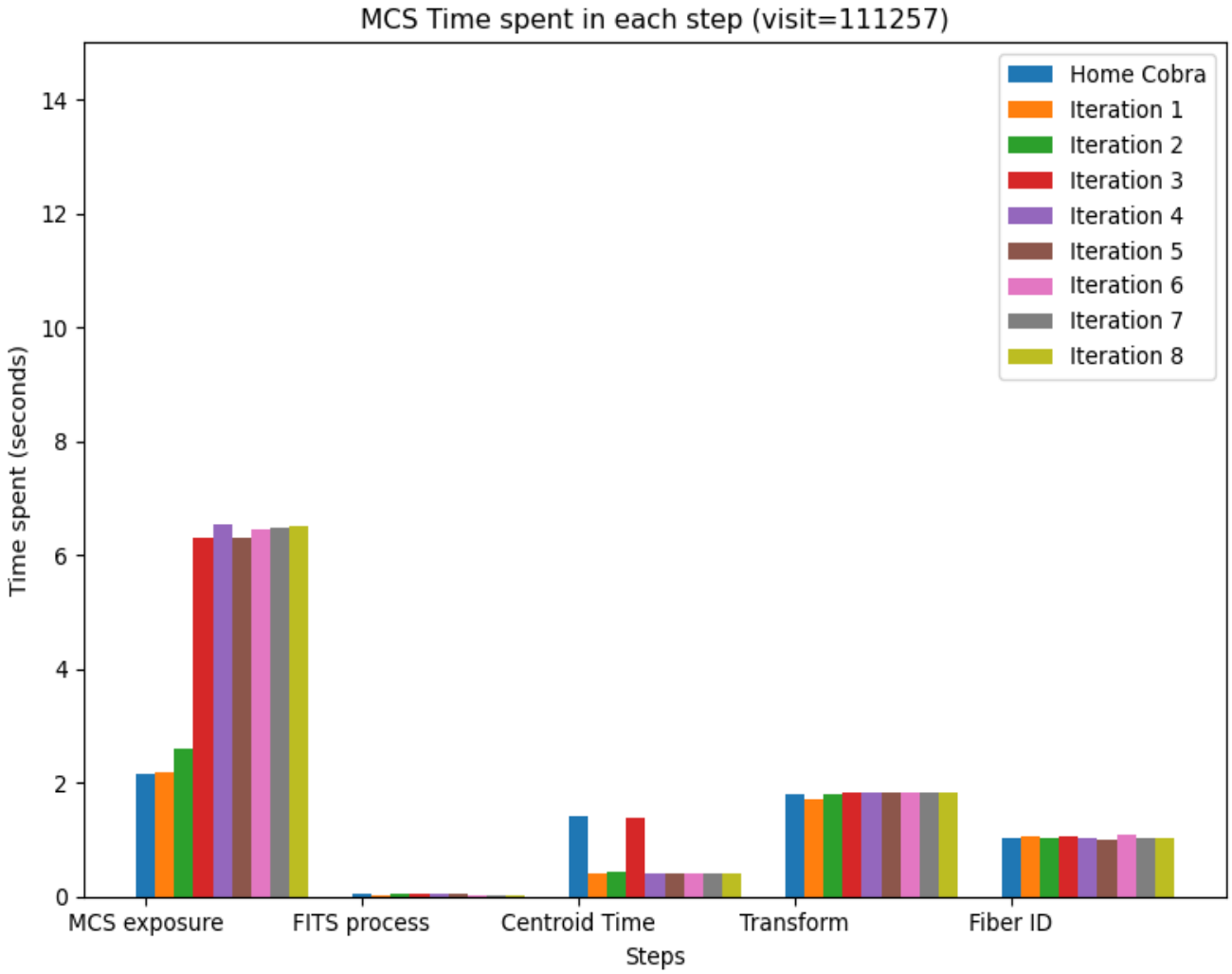

MCS Time spent in each step (visit=111171)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

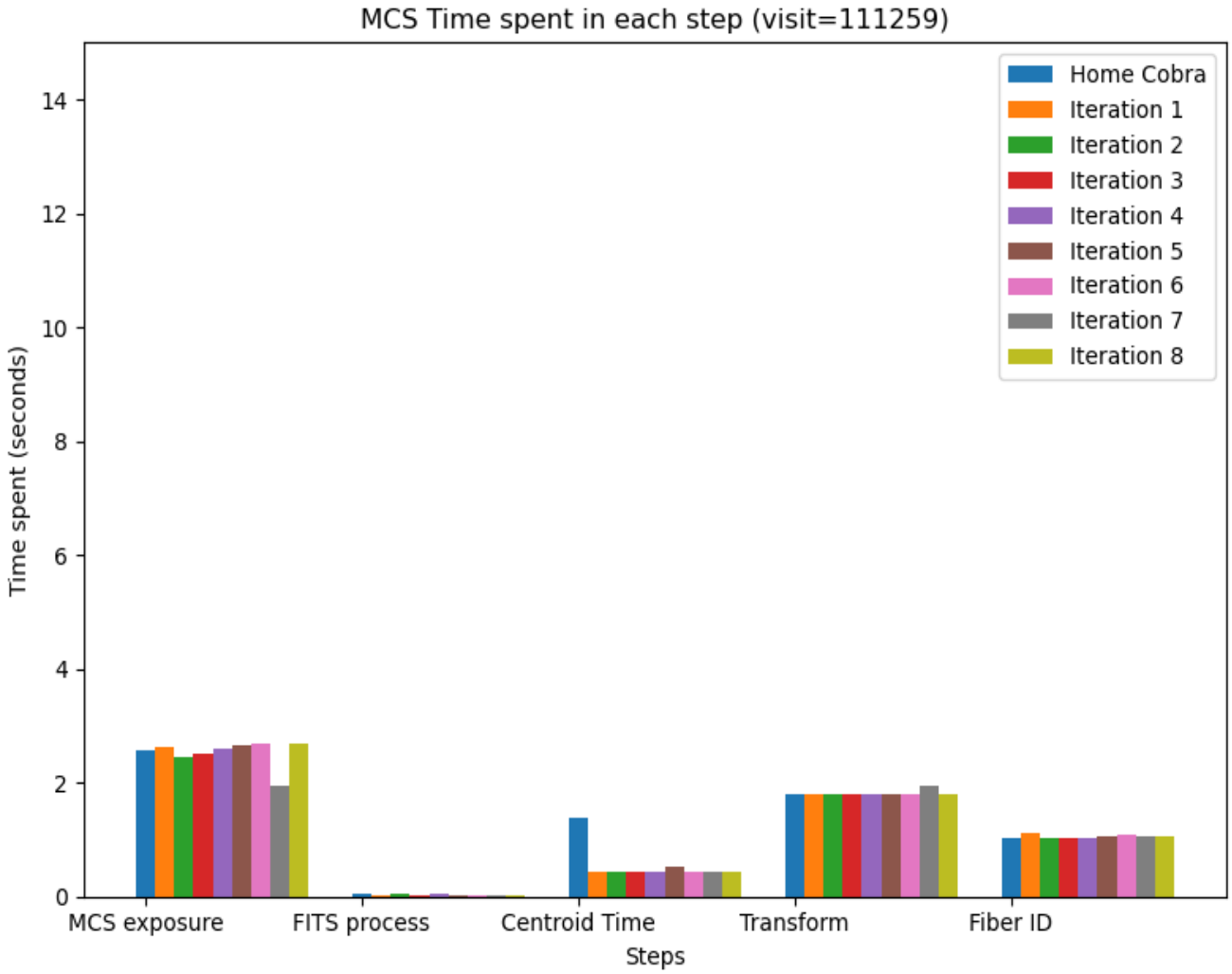

MCS Time spent in each step (visit=111174)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

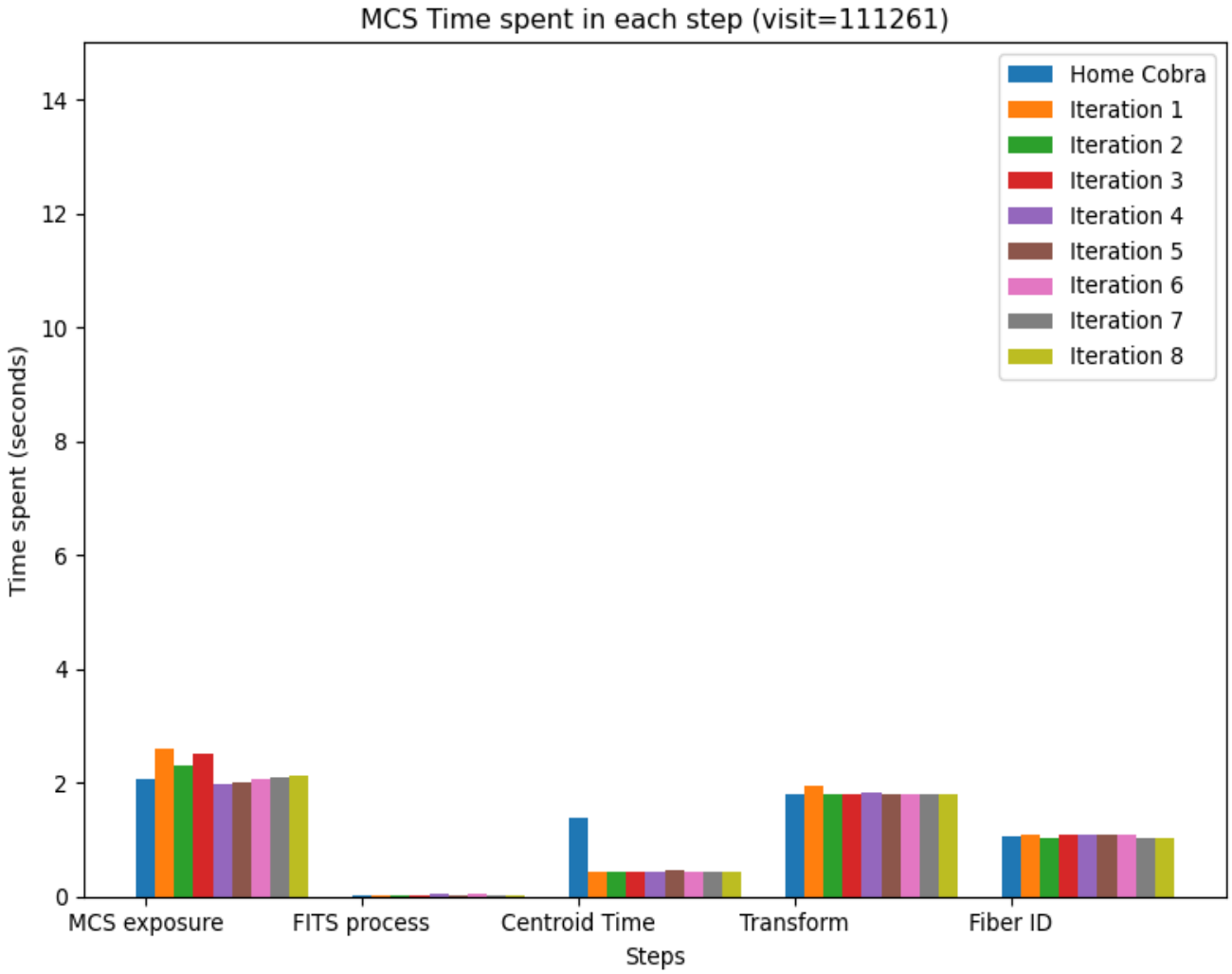

MCS Time spent in each step (visit=111190)
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

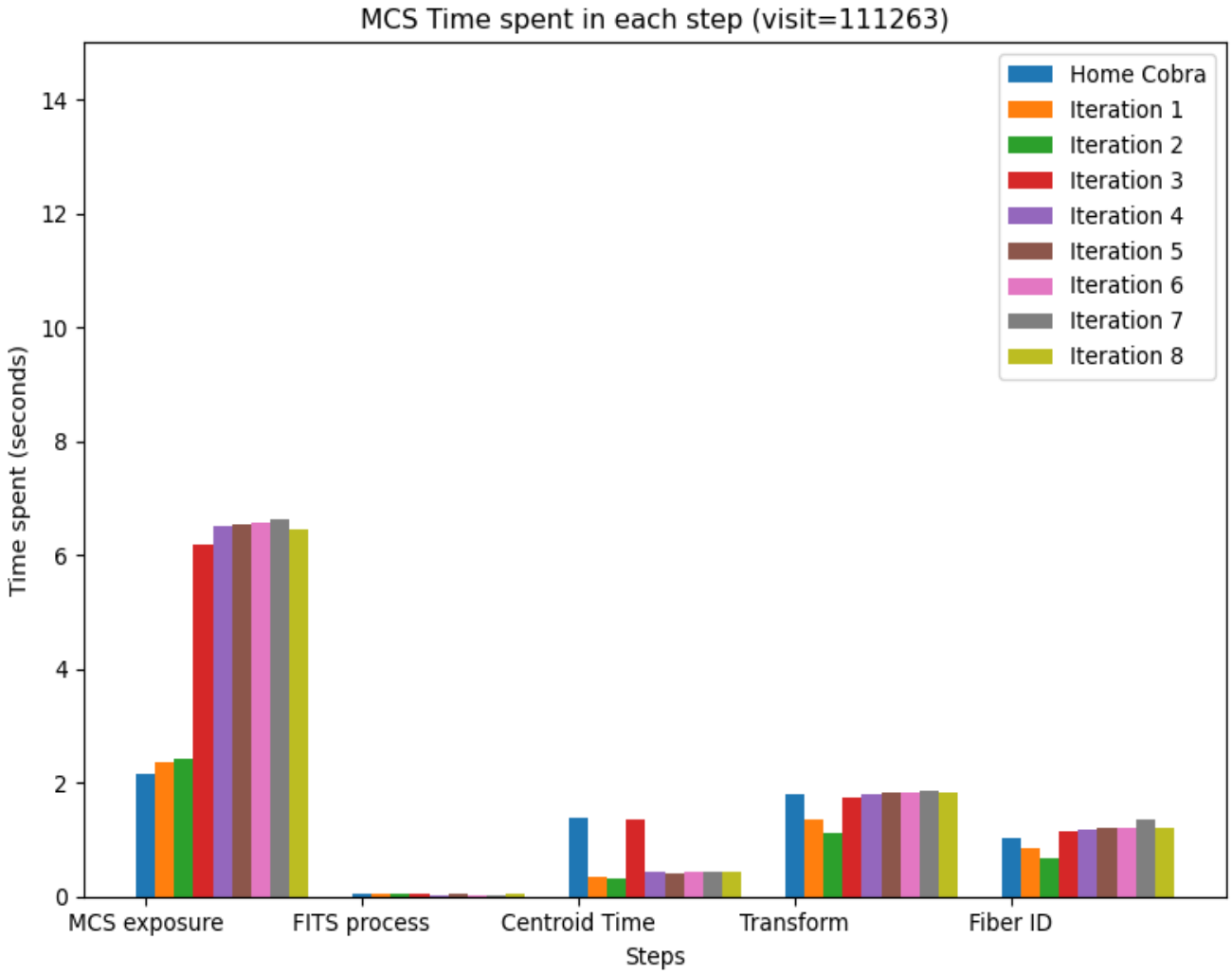

MCS Time spent in each step (visit=111237)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

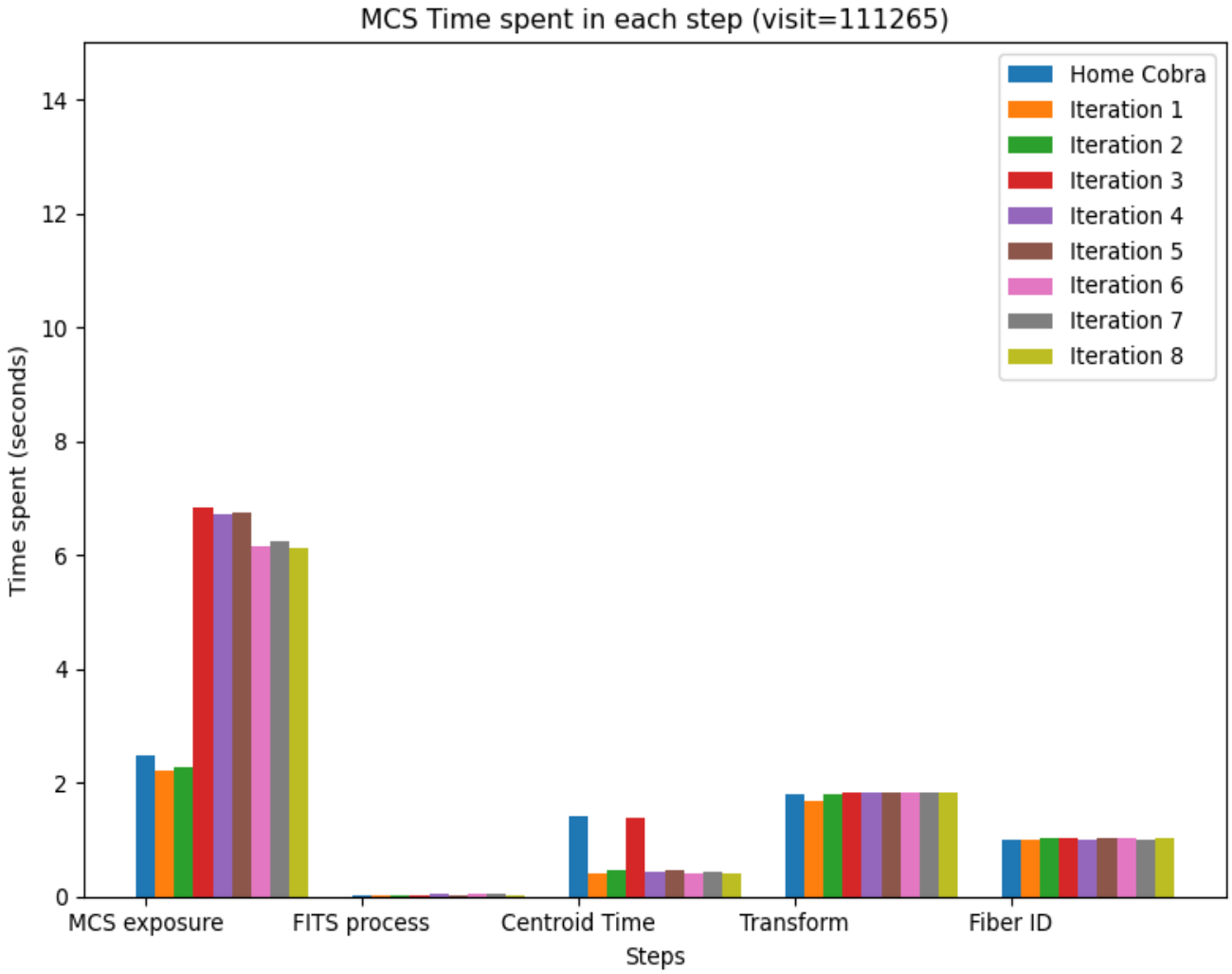

MCS Time spent in each step (visit=111255)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

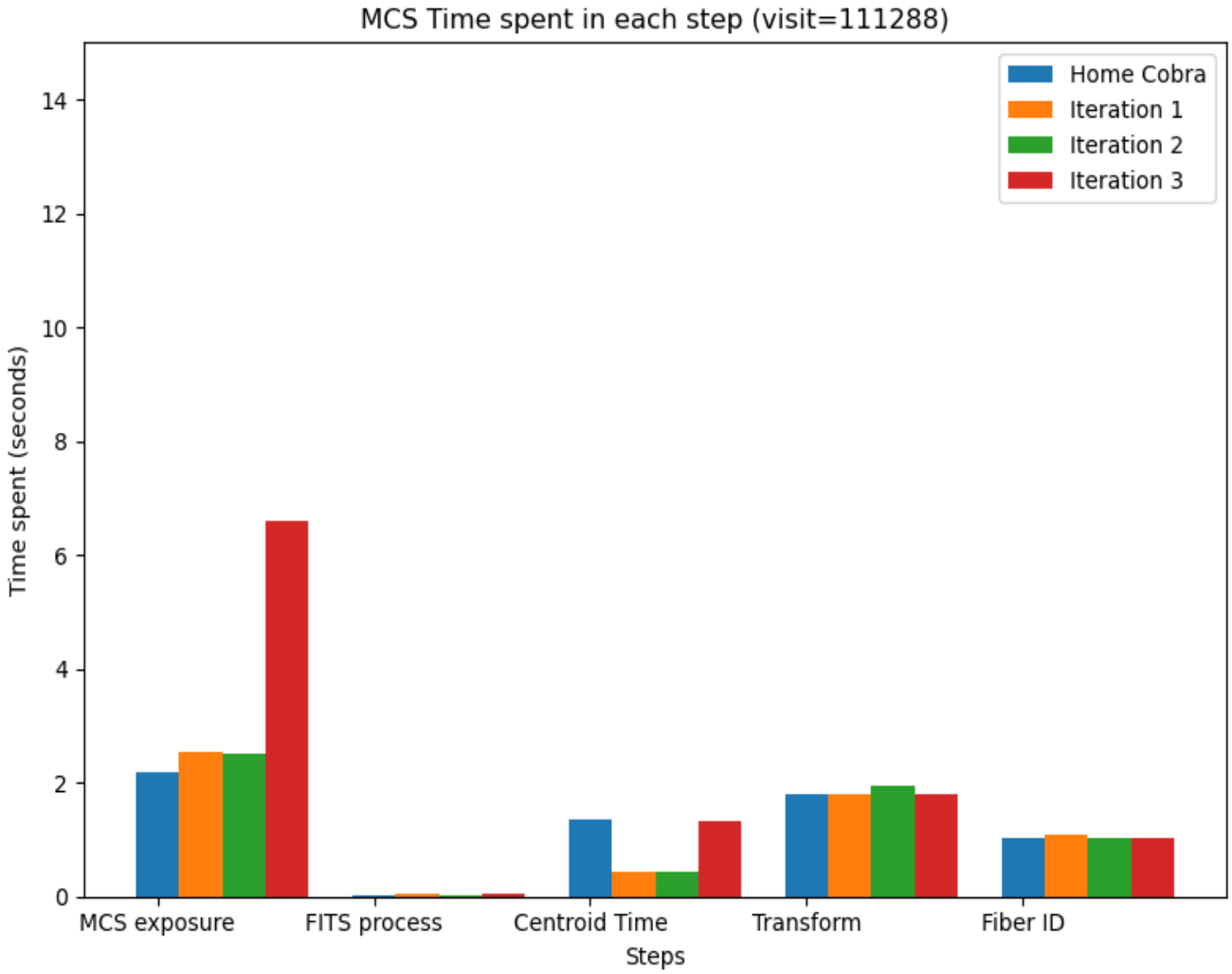

MCS Time spent in each step (visit=111257)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

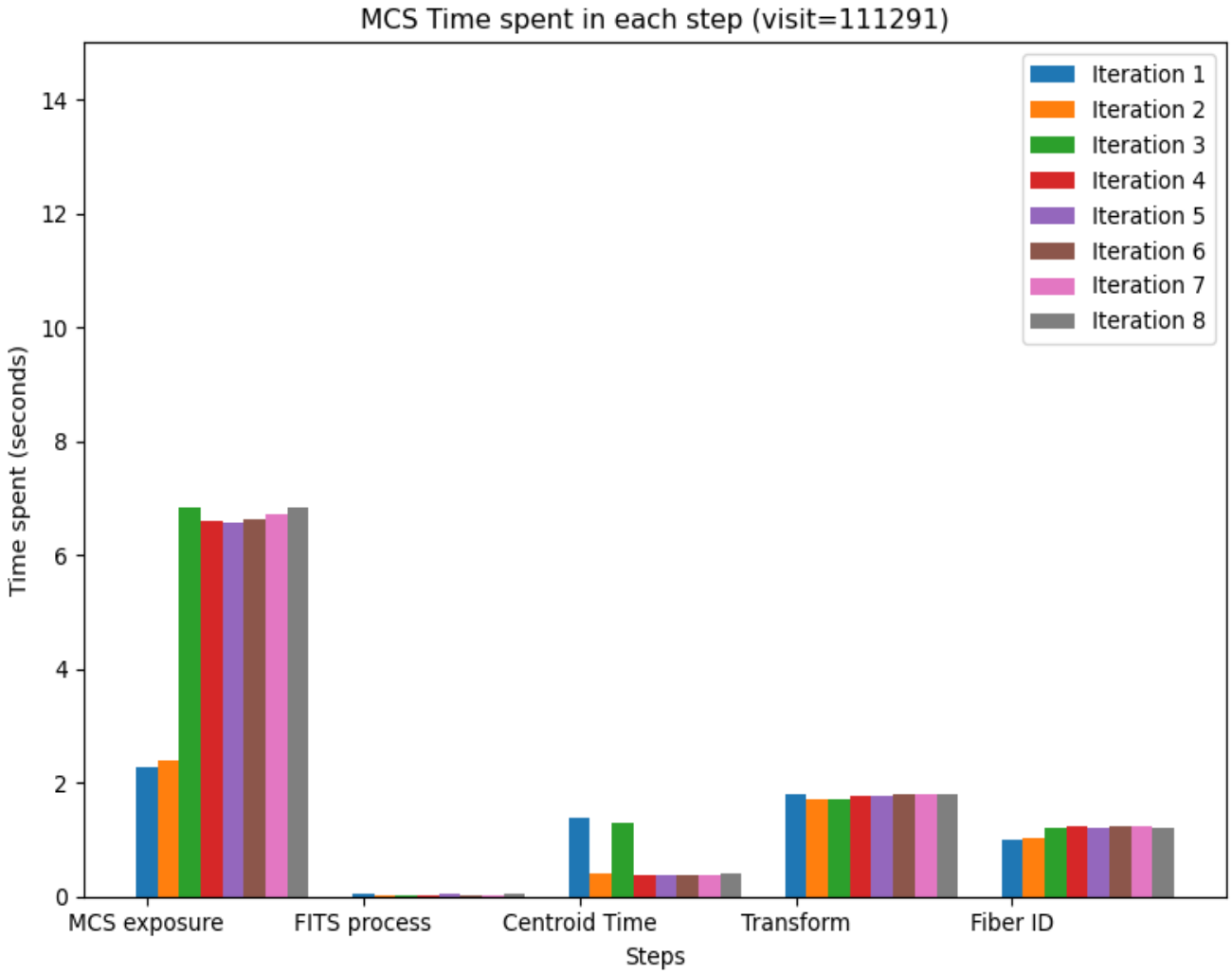

MCS Time spent in each step (visit=111259)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

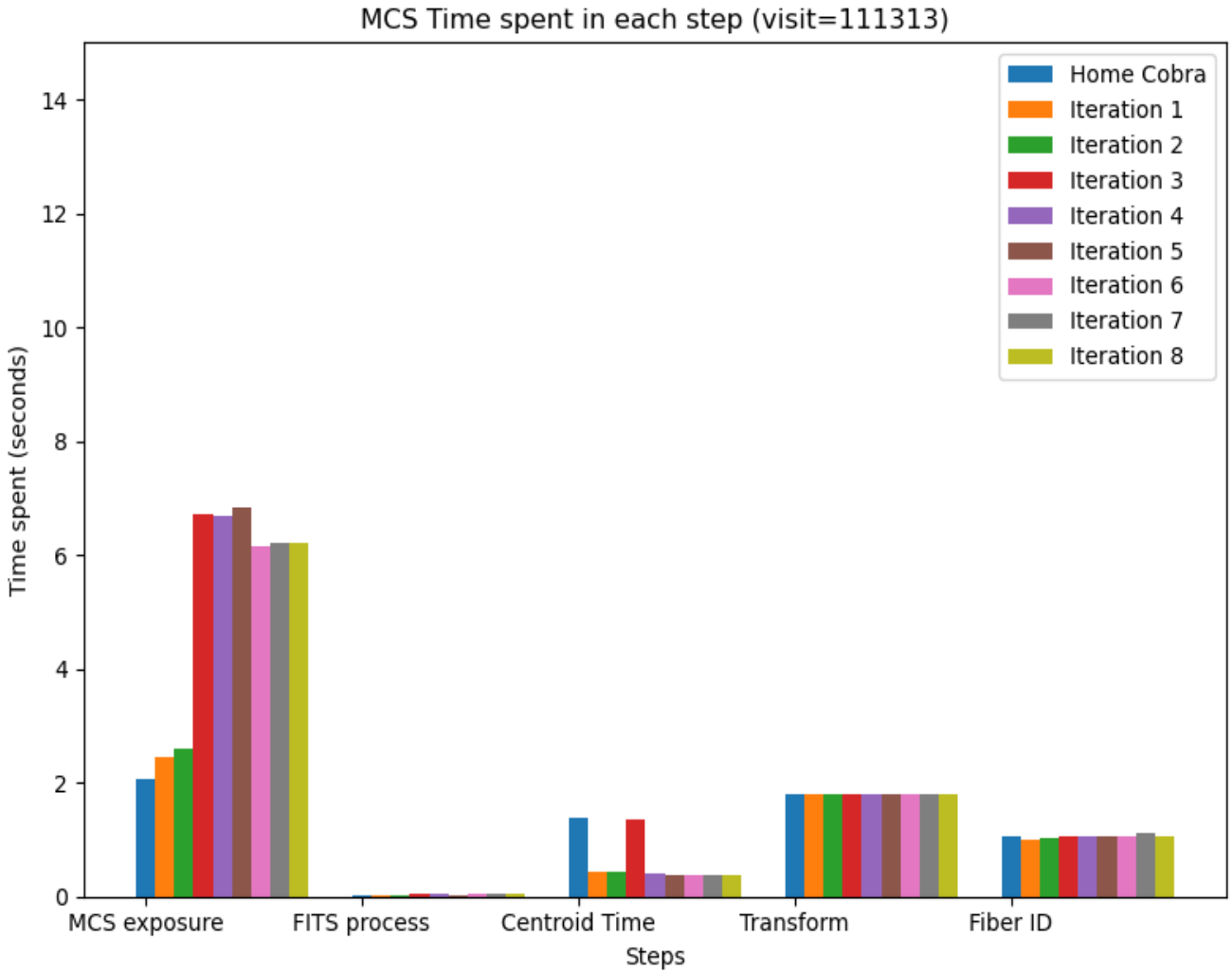

MCS Time spent in each step (visit=111261)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

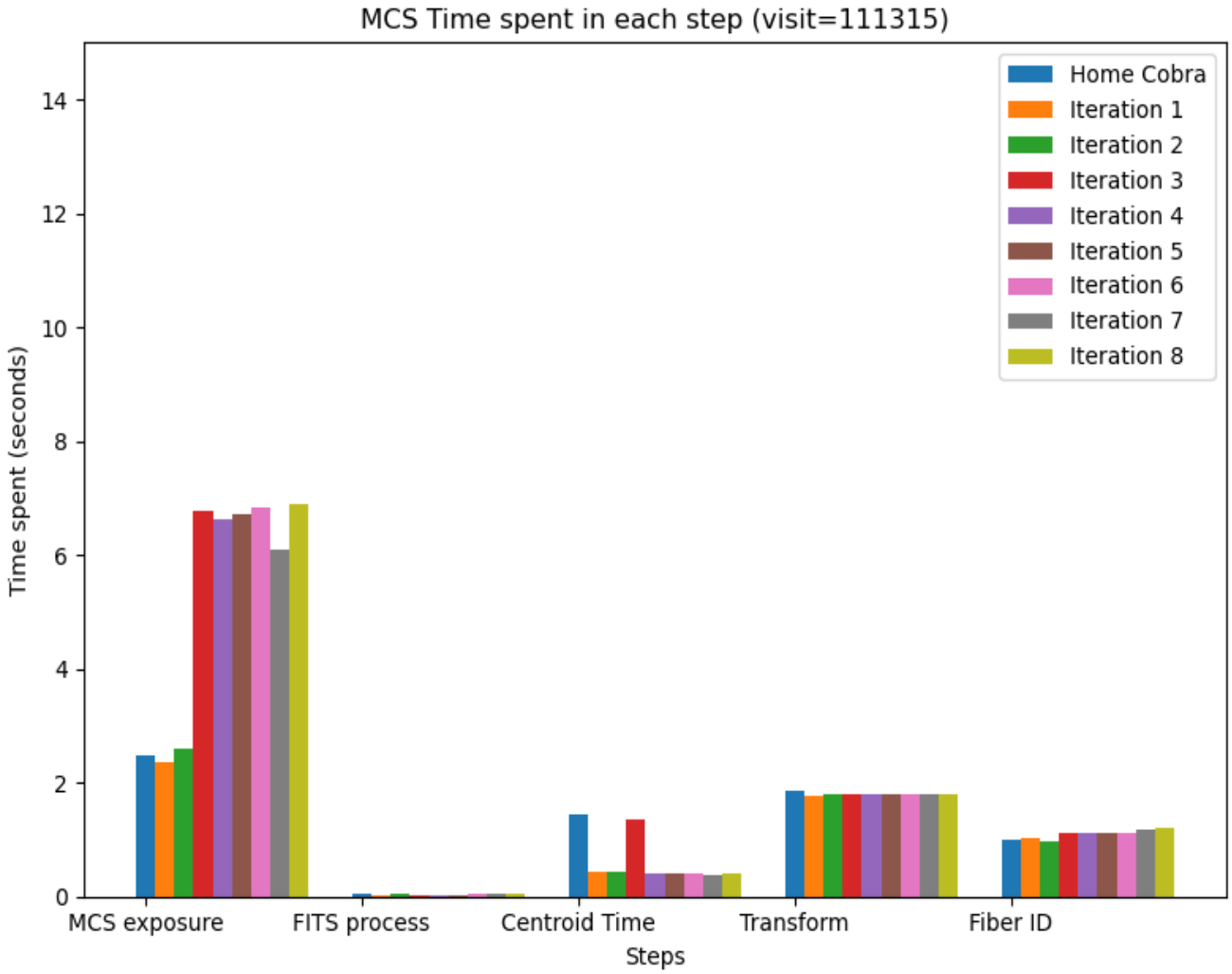

MCS Time spent in each step (visit=111263)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

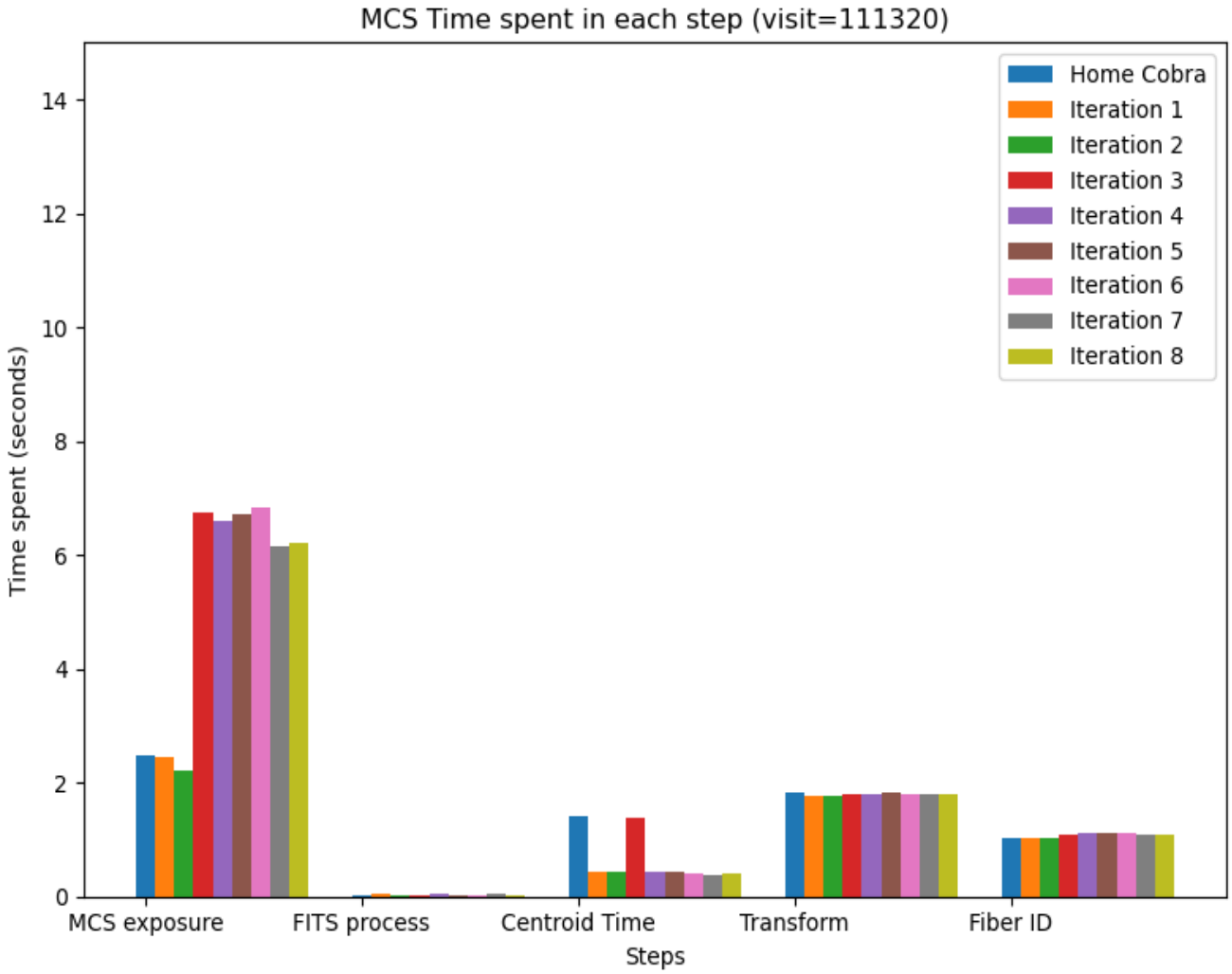

MCS Time spent in each step (visit=111265)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

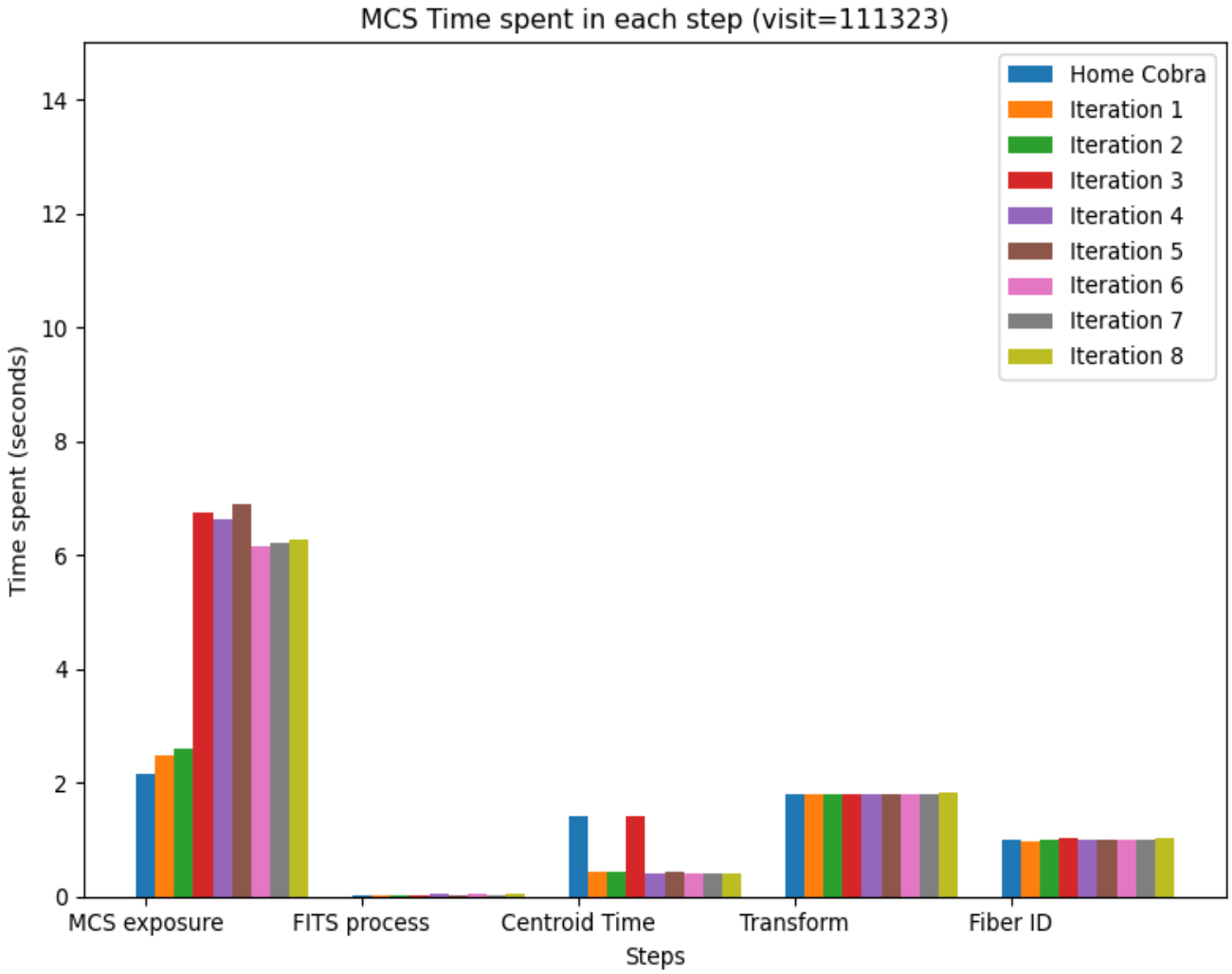

MCS Time spent in each step (visit=111288)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

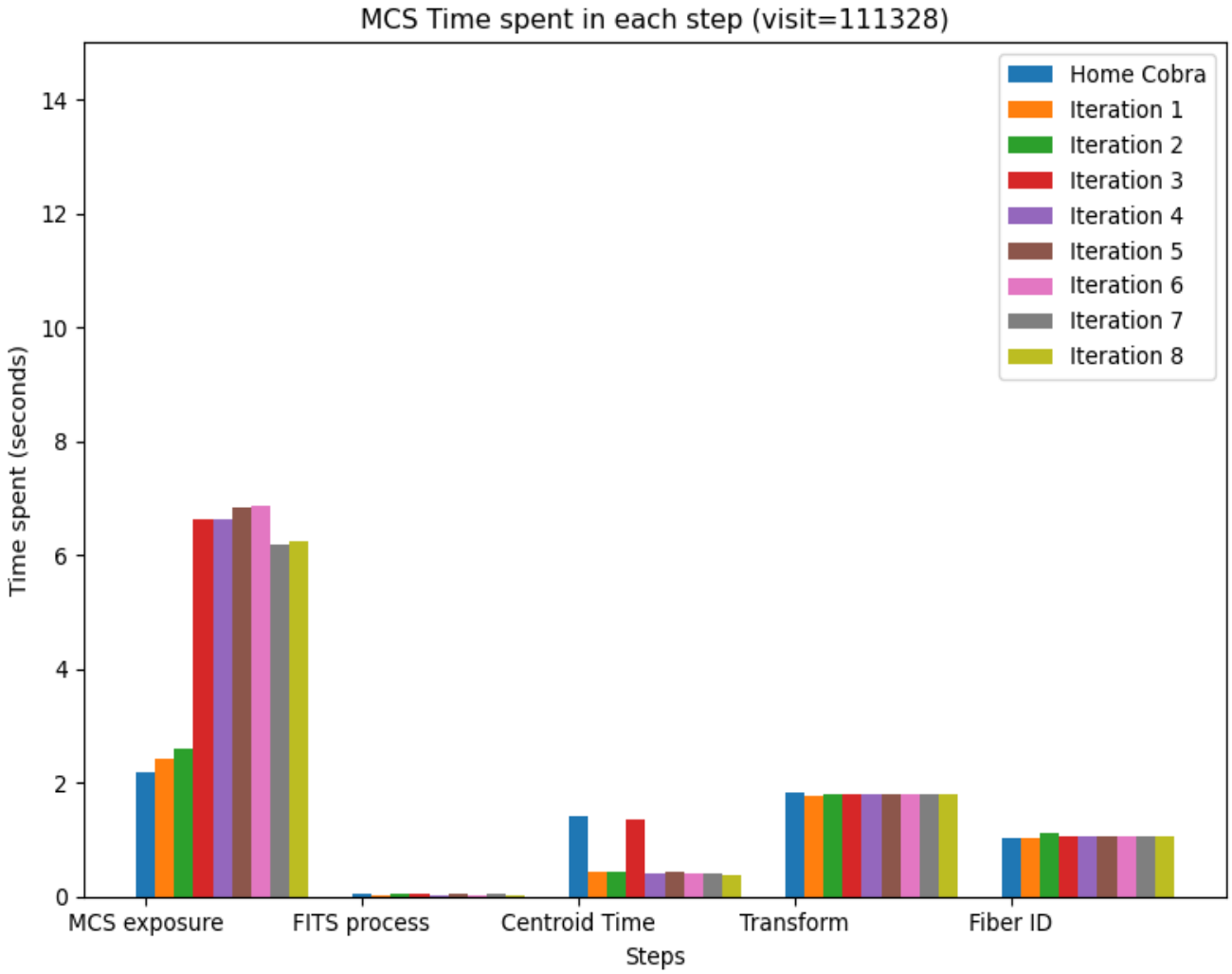

MCS Time spent in each step (visit=111291)
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

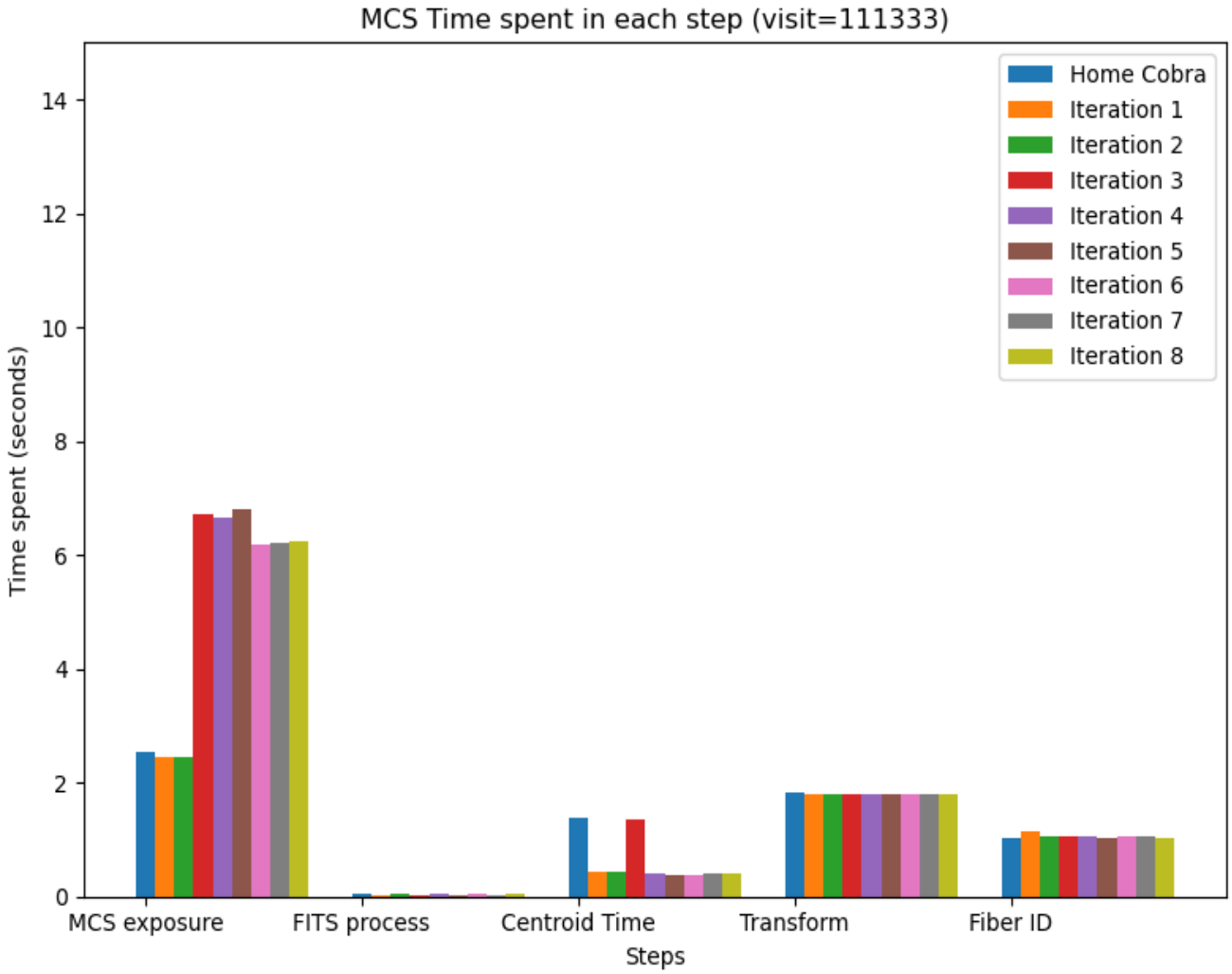

MCS Time spent in each step (visit=111313)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

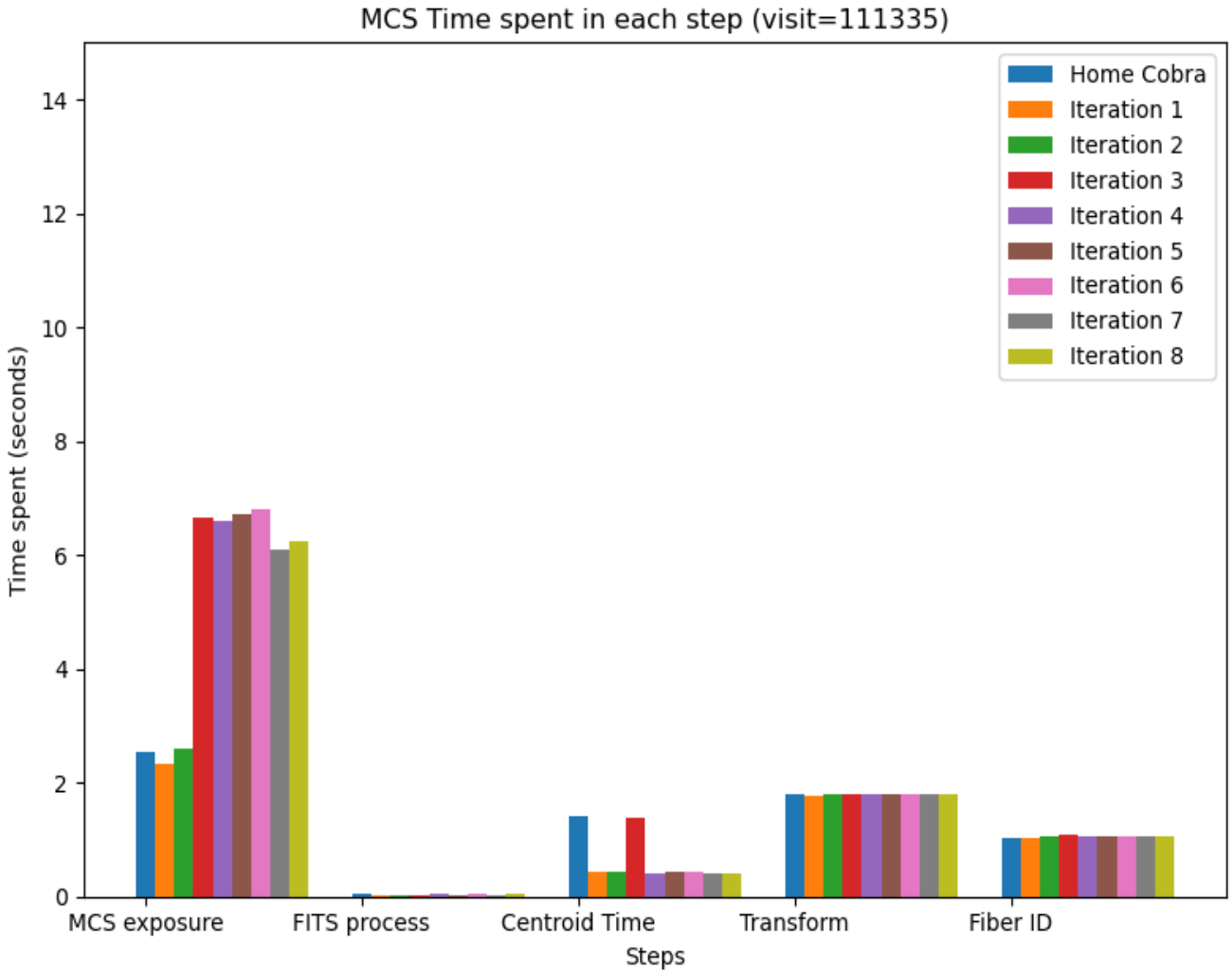

MCS Time spent in each step (visit=111315)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

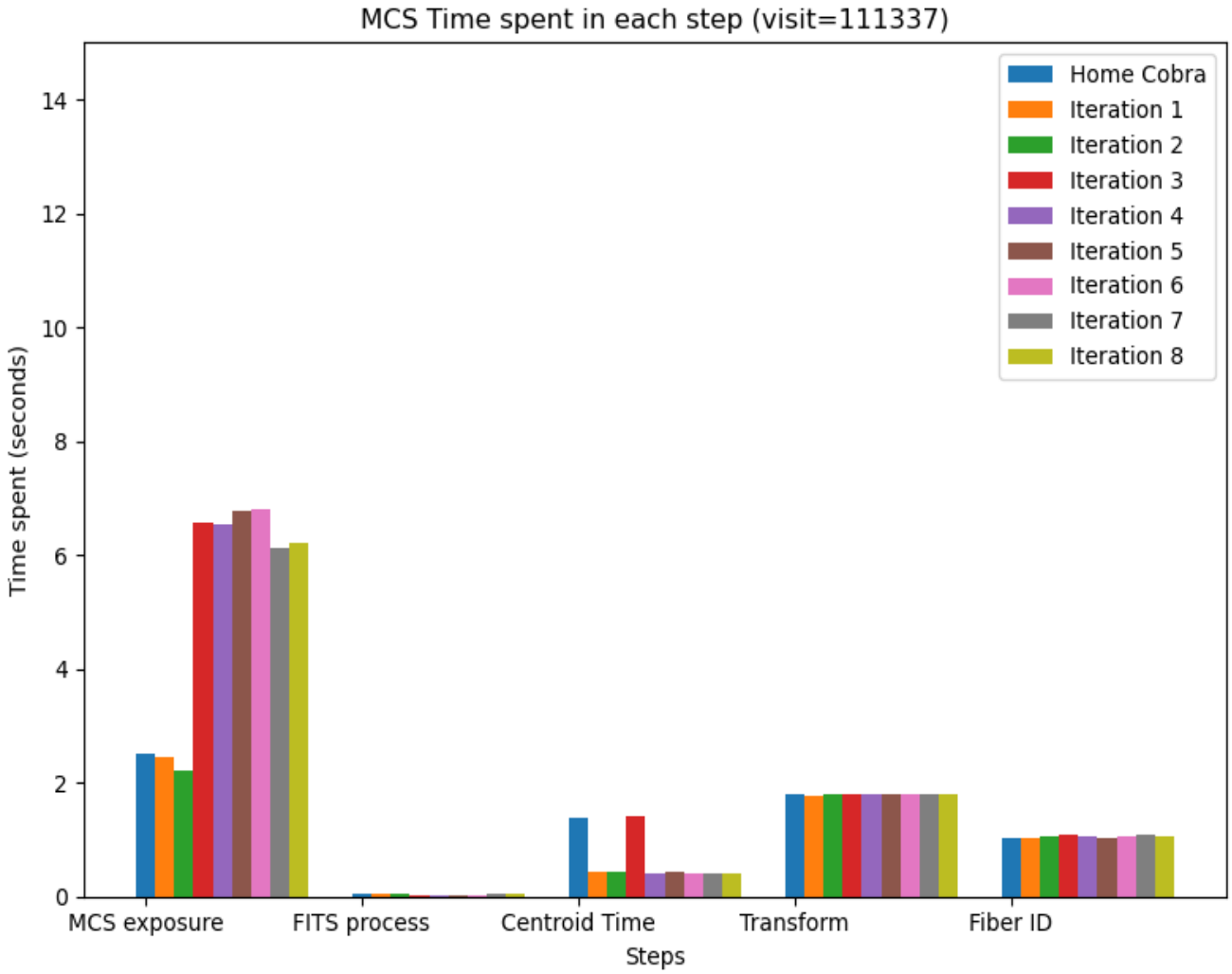

MCS Time spent in each step (visit=111320)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

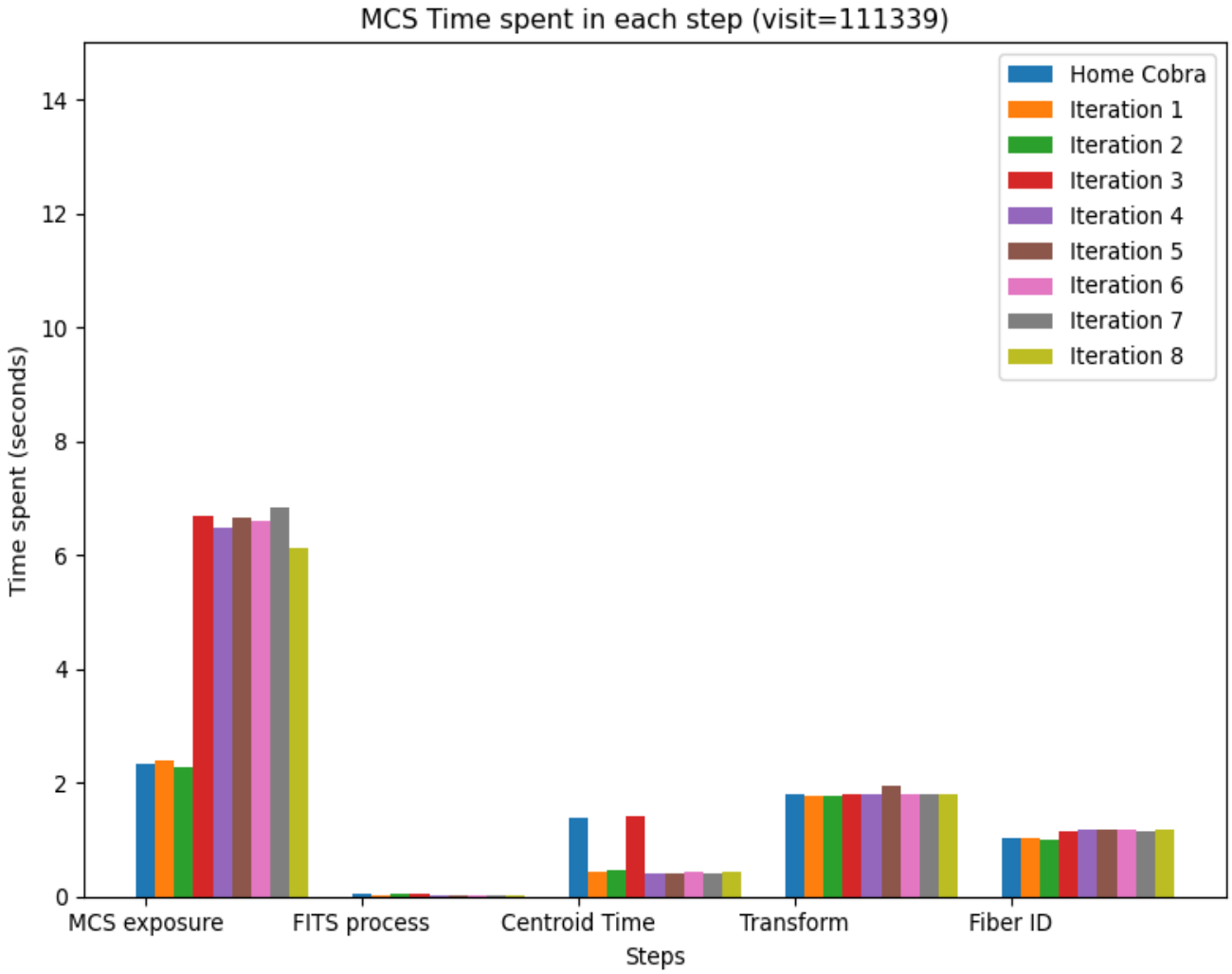

MCS Time spent in each step (visit=111323)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

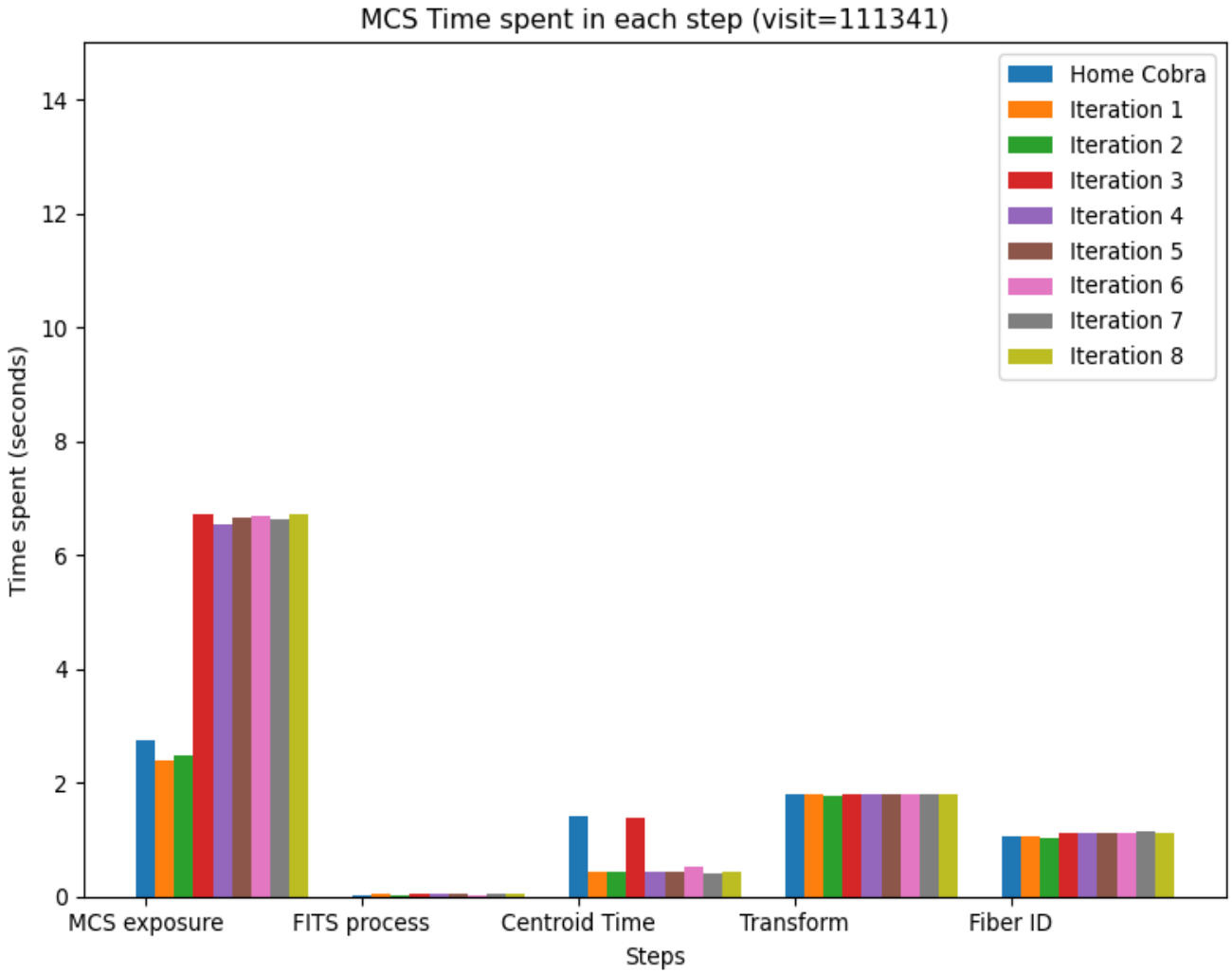

MCS Time spent in each step (visit=111328)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

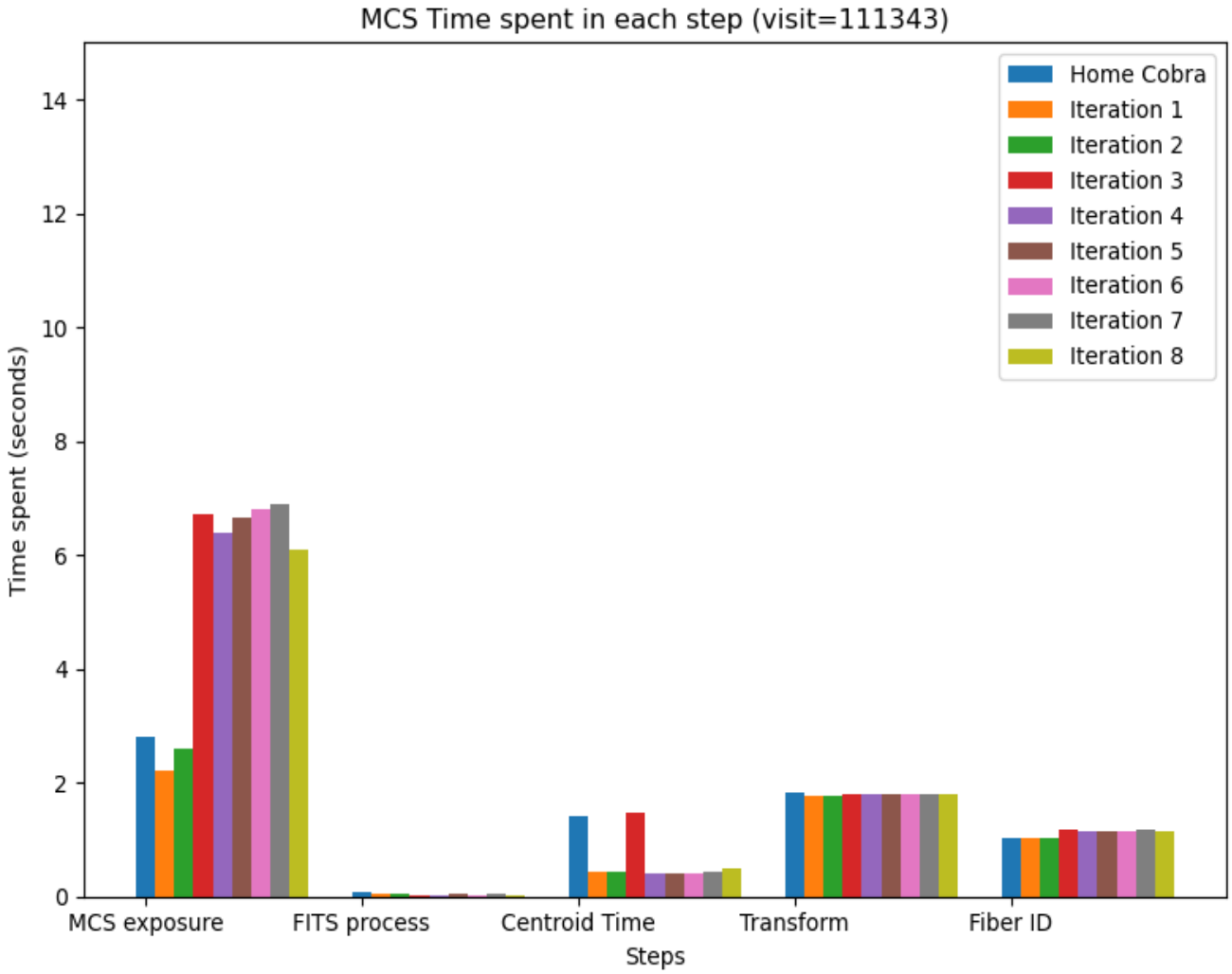

MCS Time spent in each step (visit=111333)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

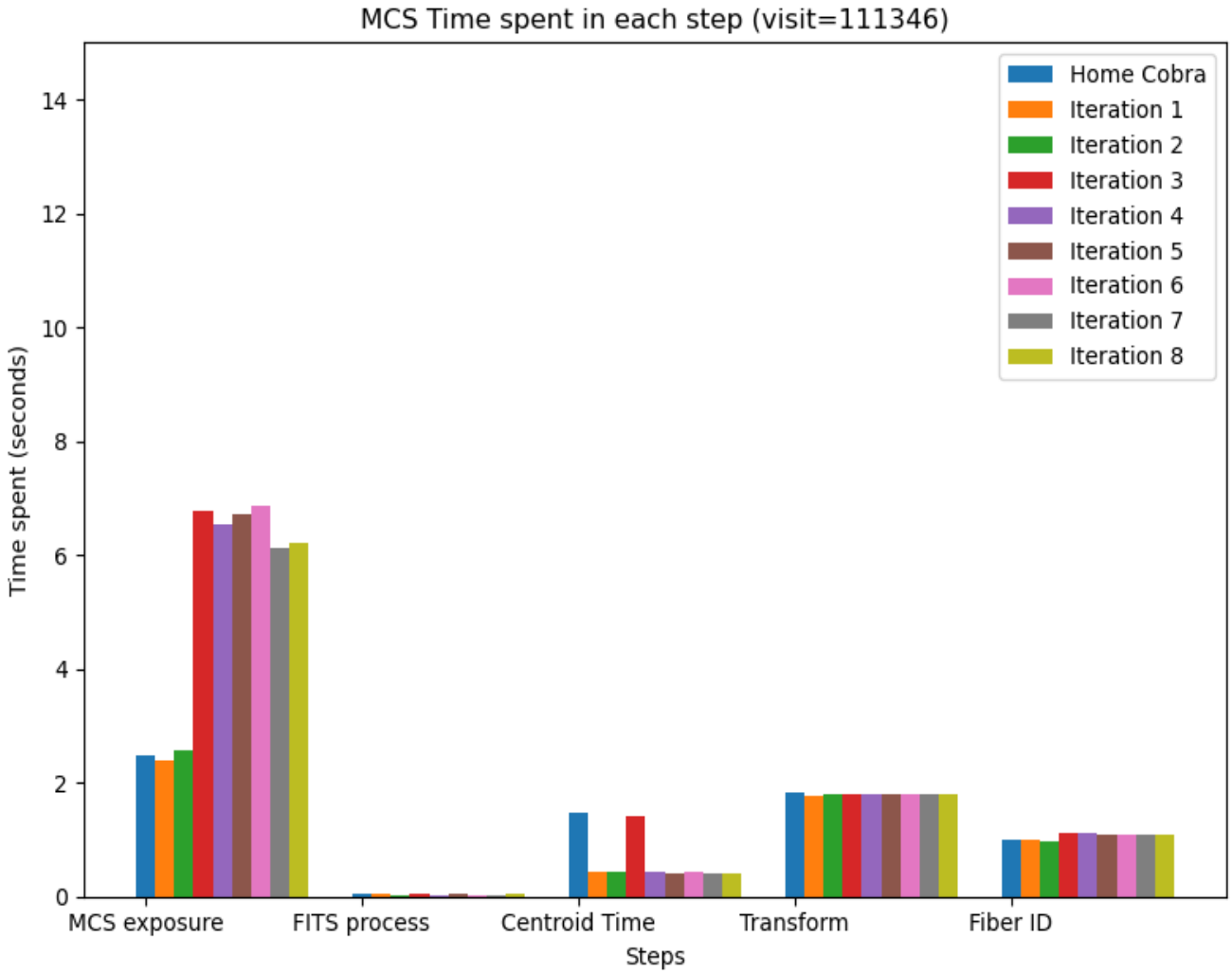

MCS Time spent in each step (visit=111335)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

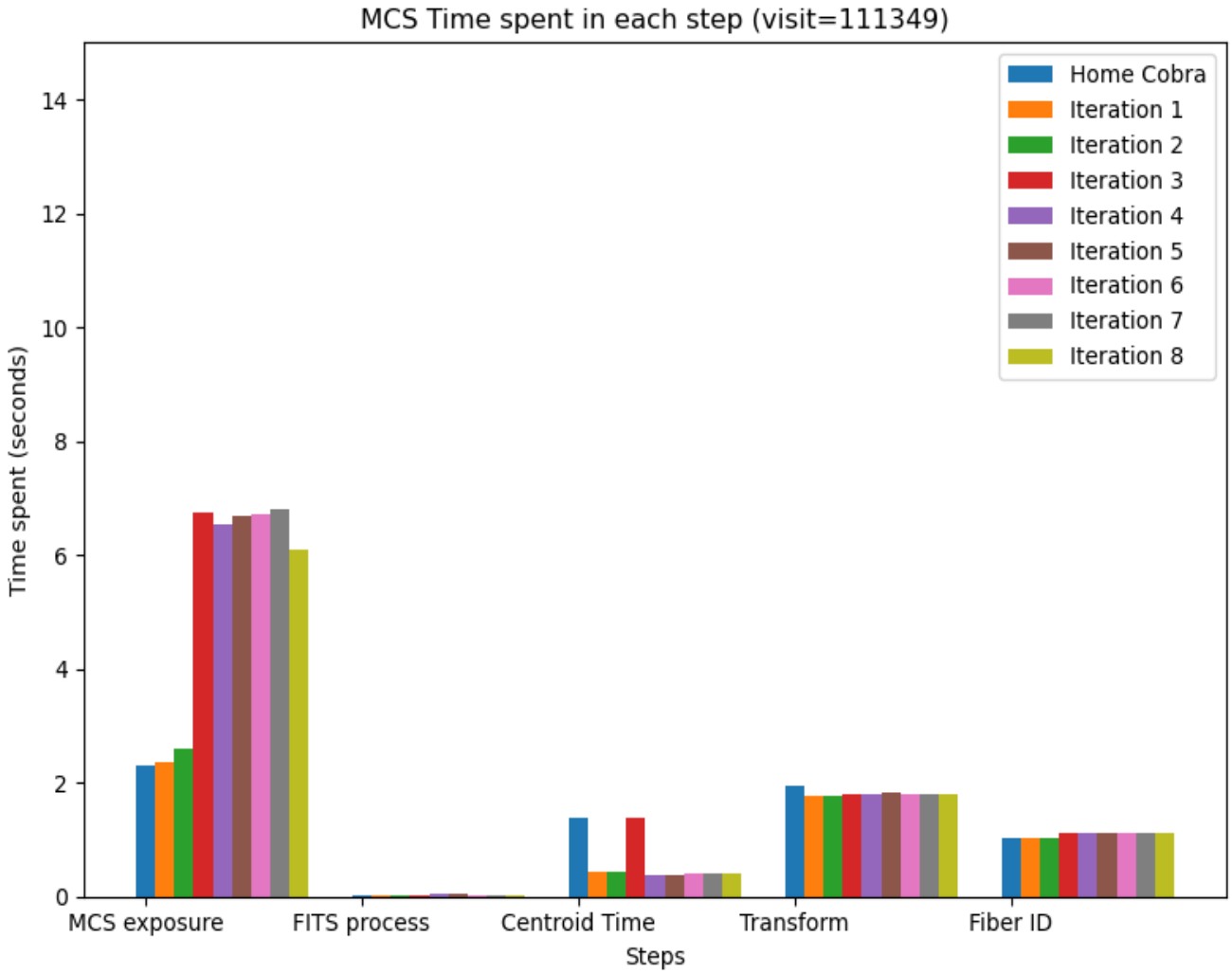

MCS Time spent in each step (visit=111337)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

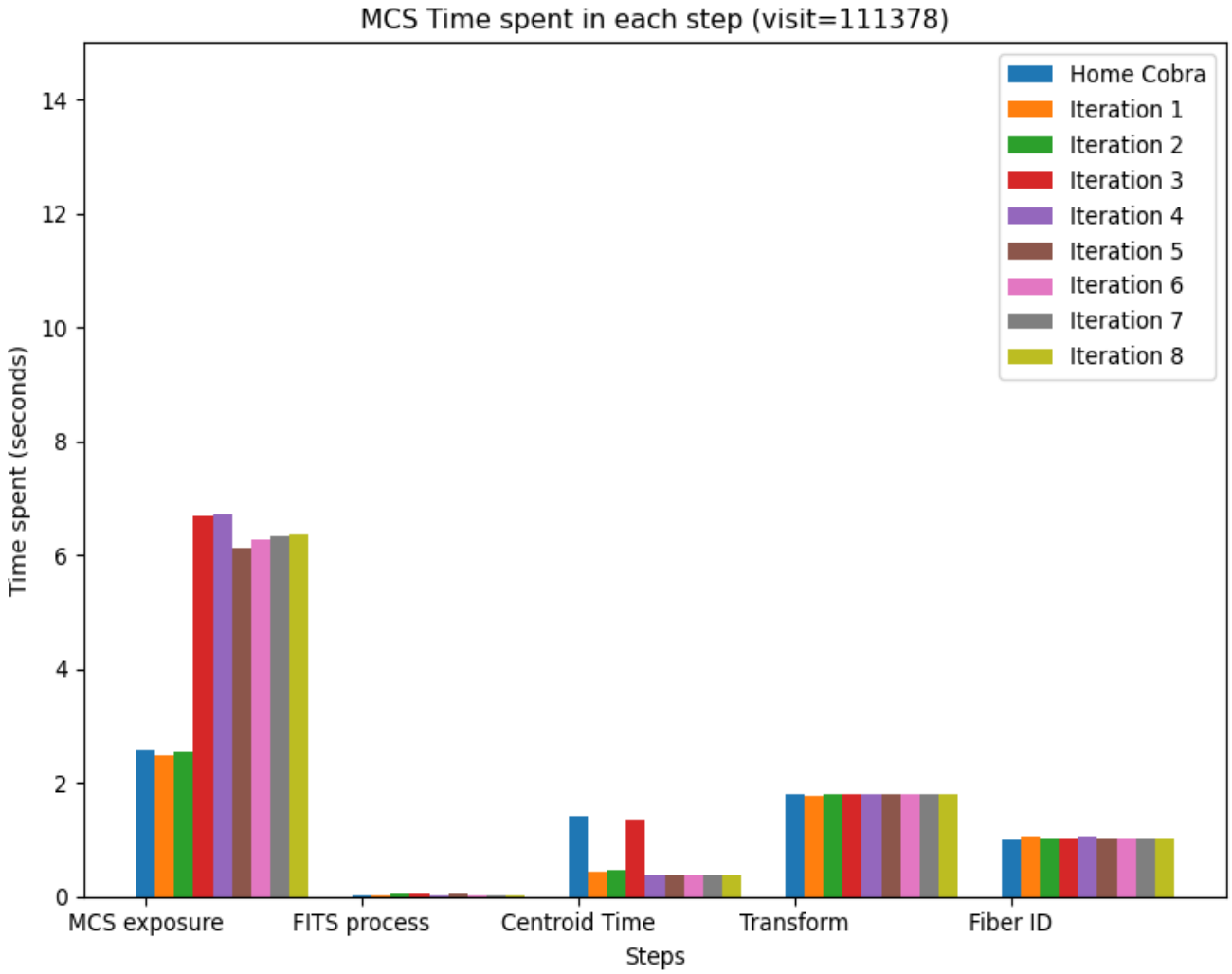

MCS Time spent in each step (visit=111339)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

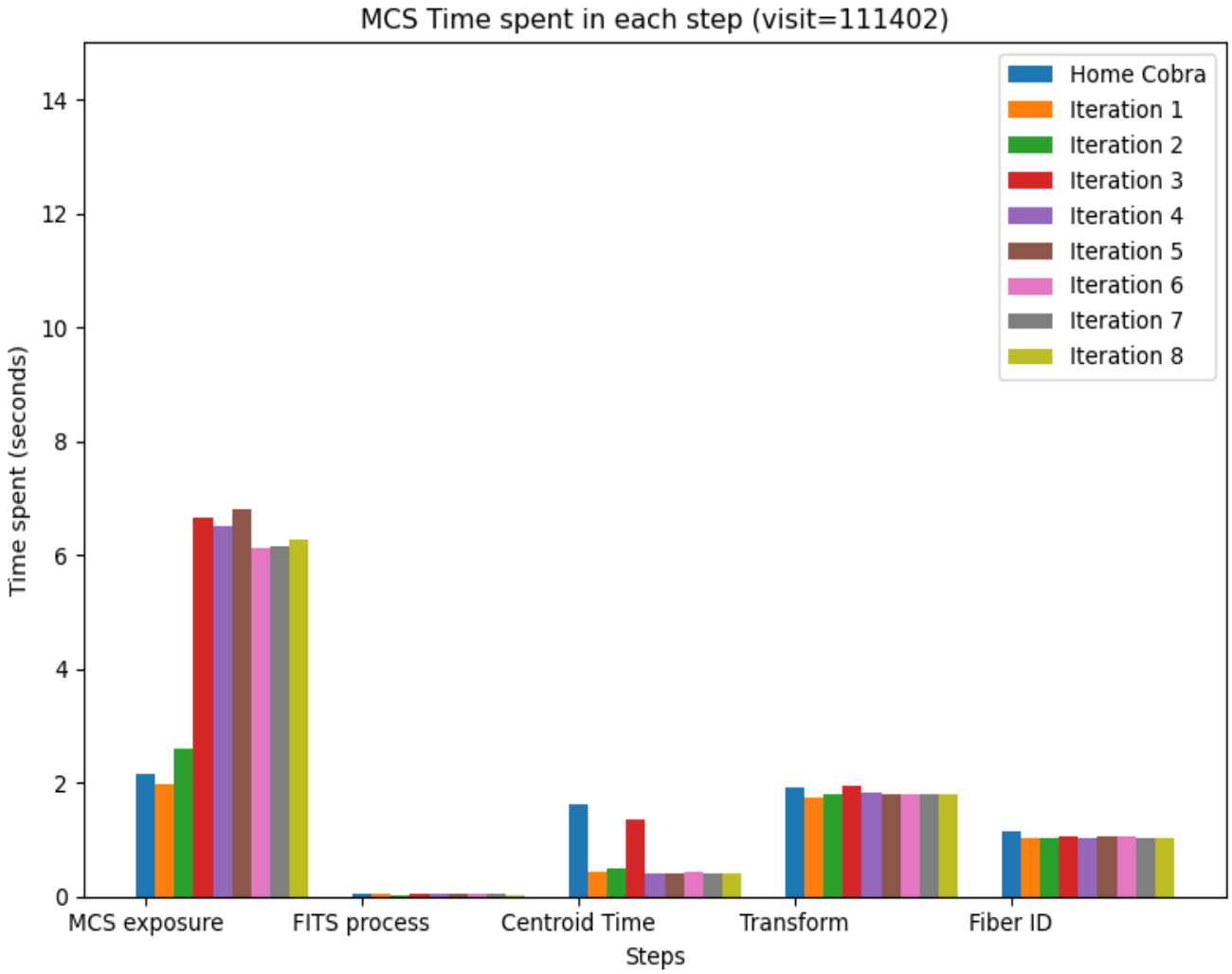

MCS Time spent in each step (visit=111341)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

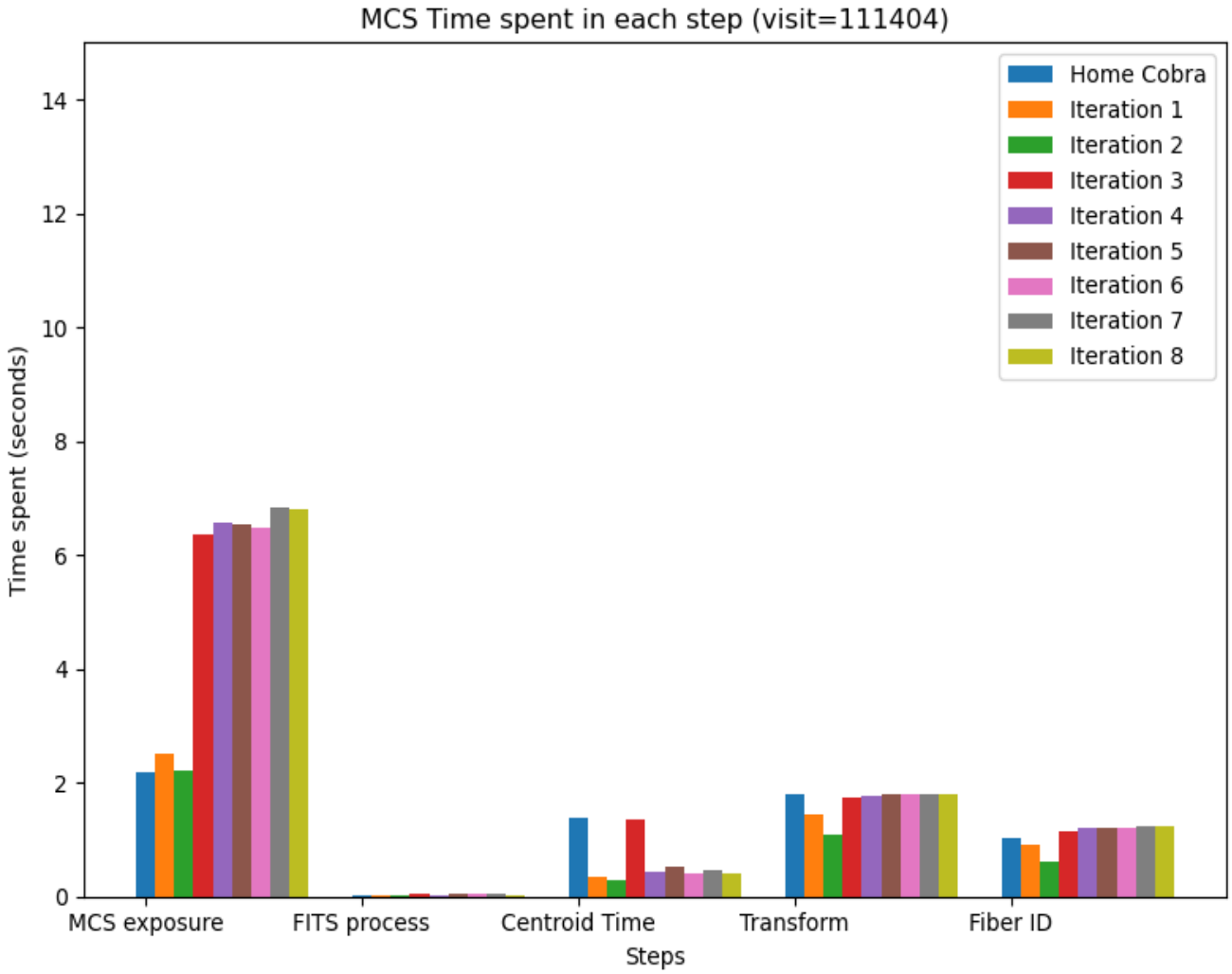

MCS Time spent in each step (visit=111343)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

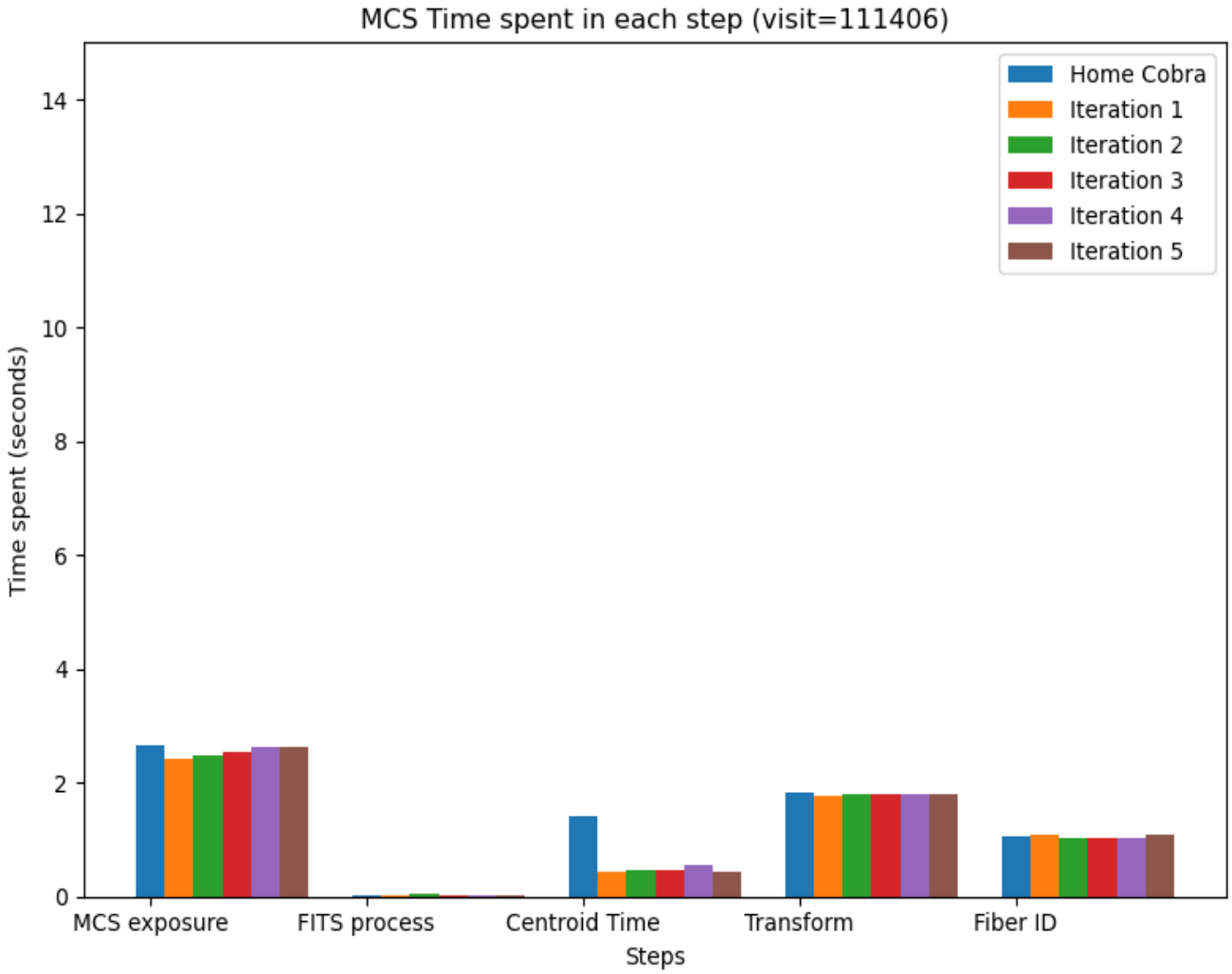

MCS Time spent in each step (visit=111346)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

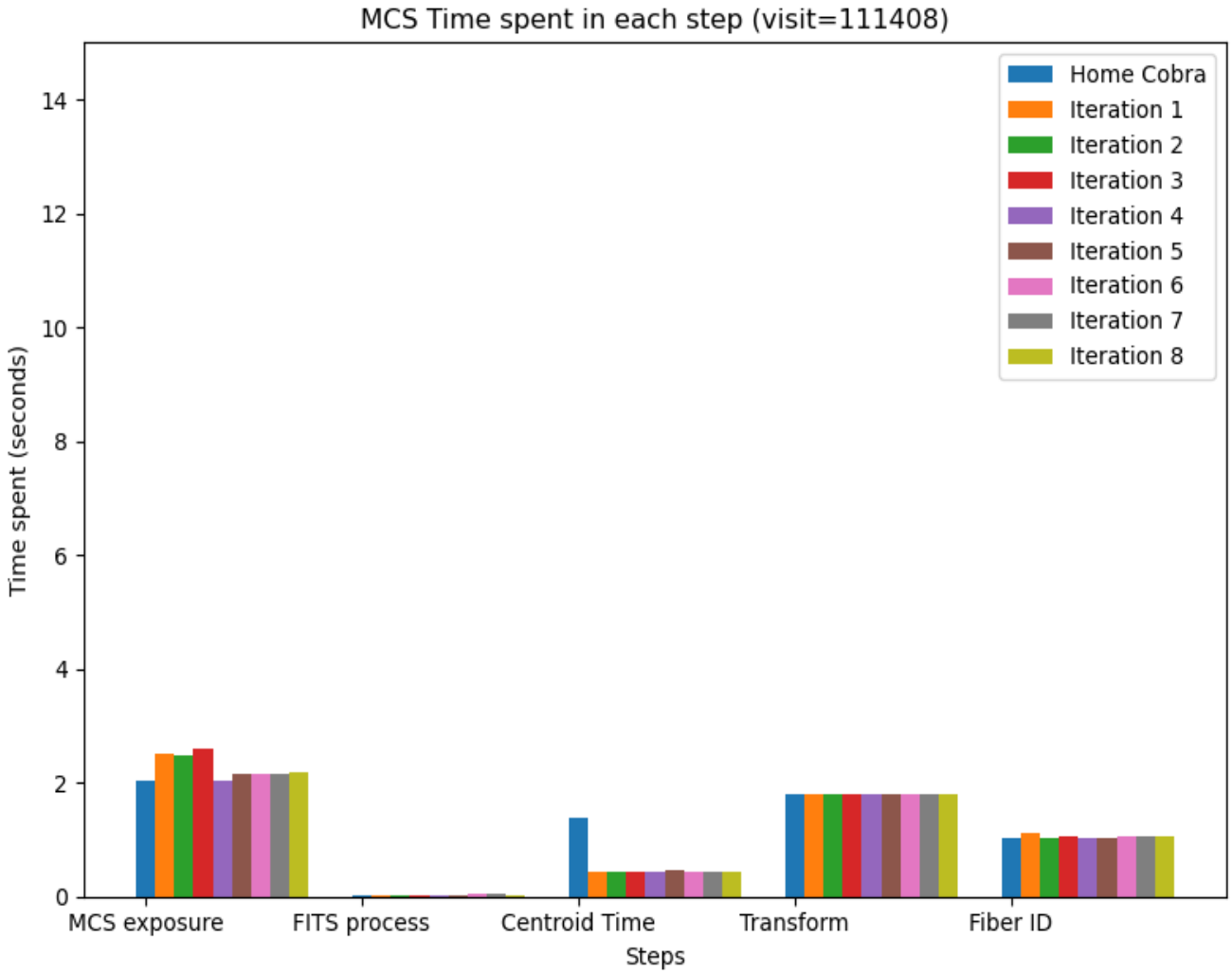

MCS Time spent in each step (visit=111349)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

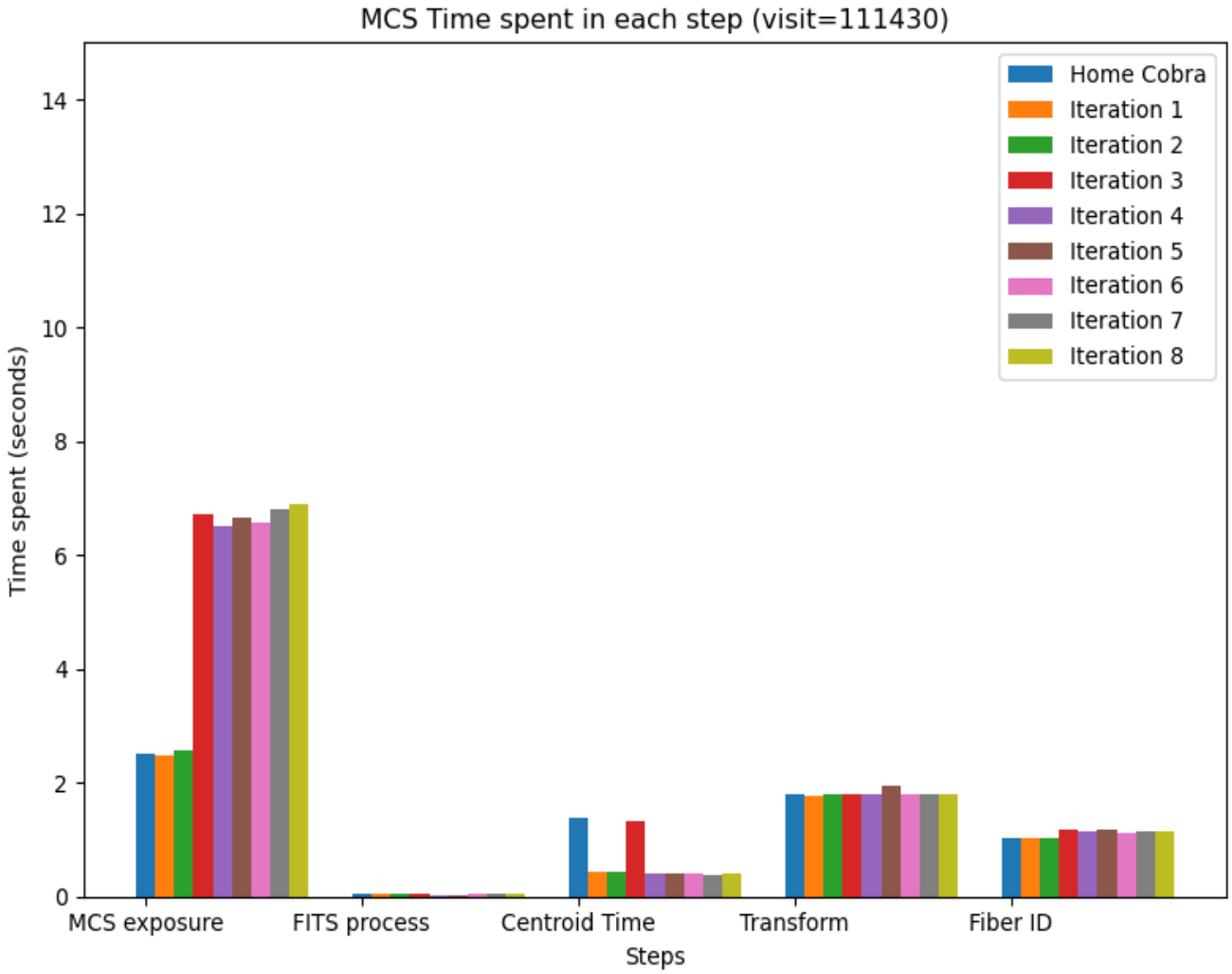

MCS Time spent in each step (visit=111378)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

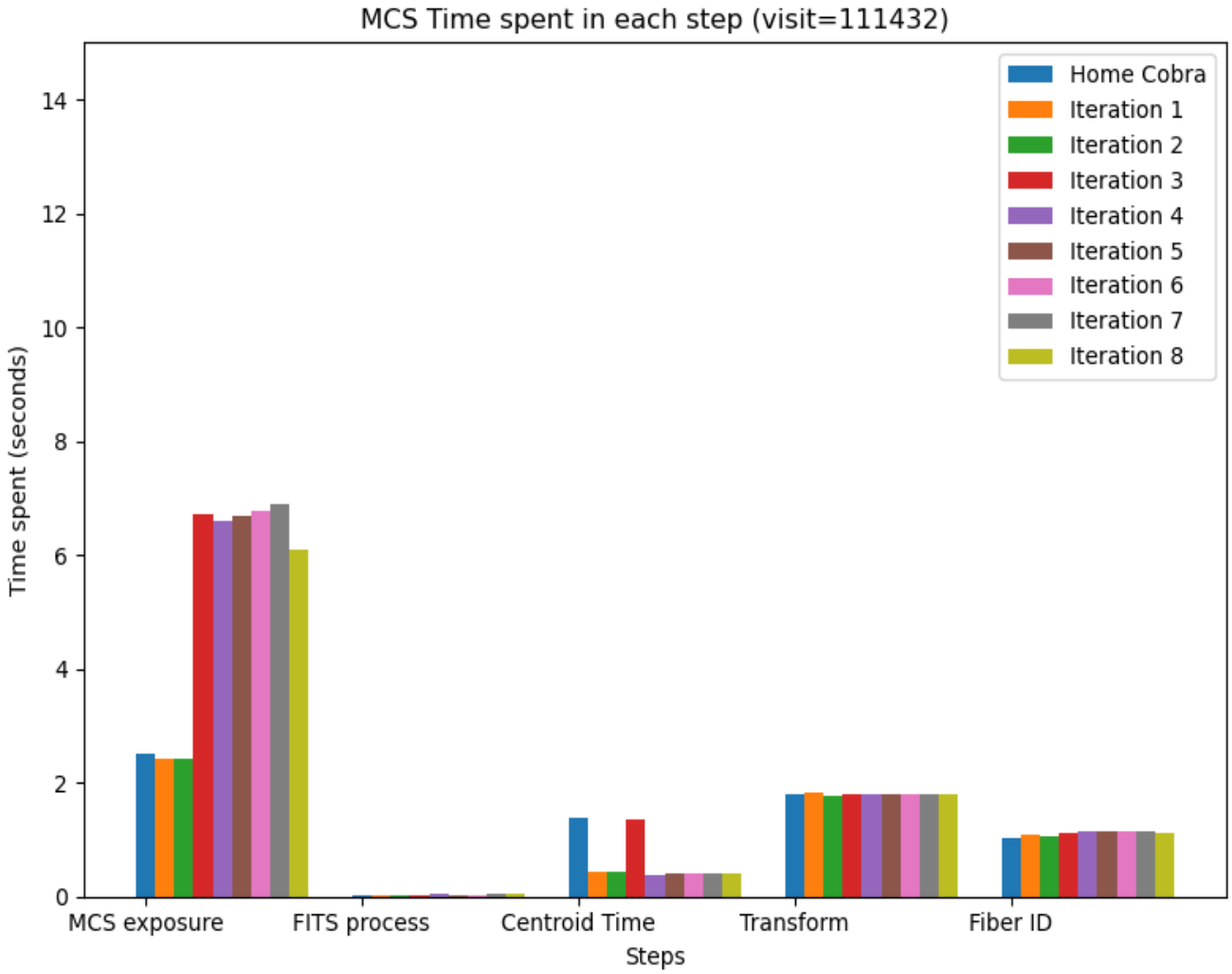

MCS Time spent in each step (visit=111402)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

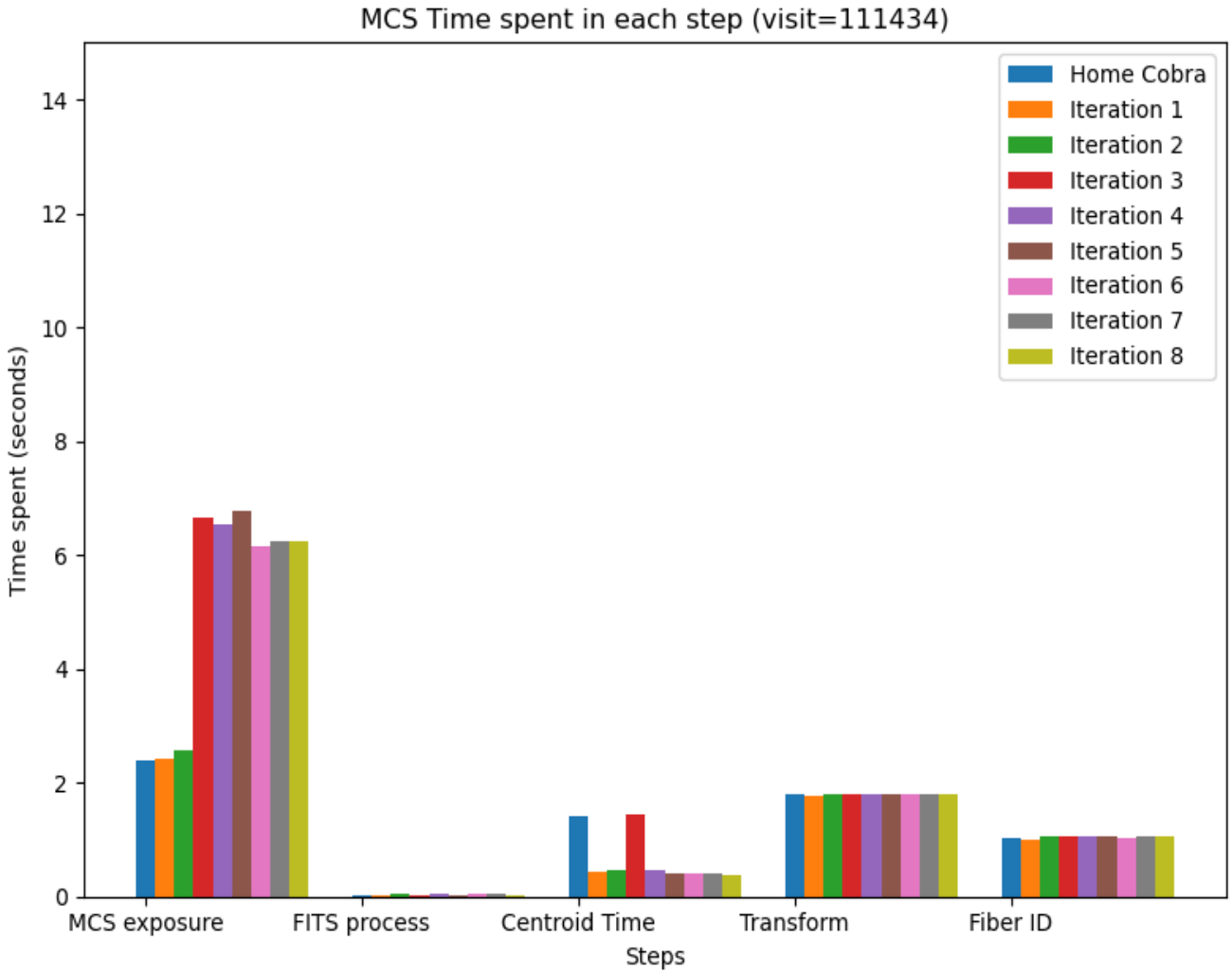

MCS Time spent in each step (visit=111404)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

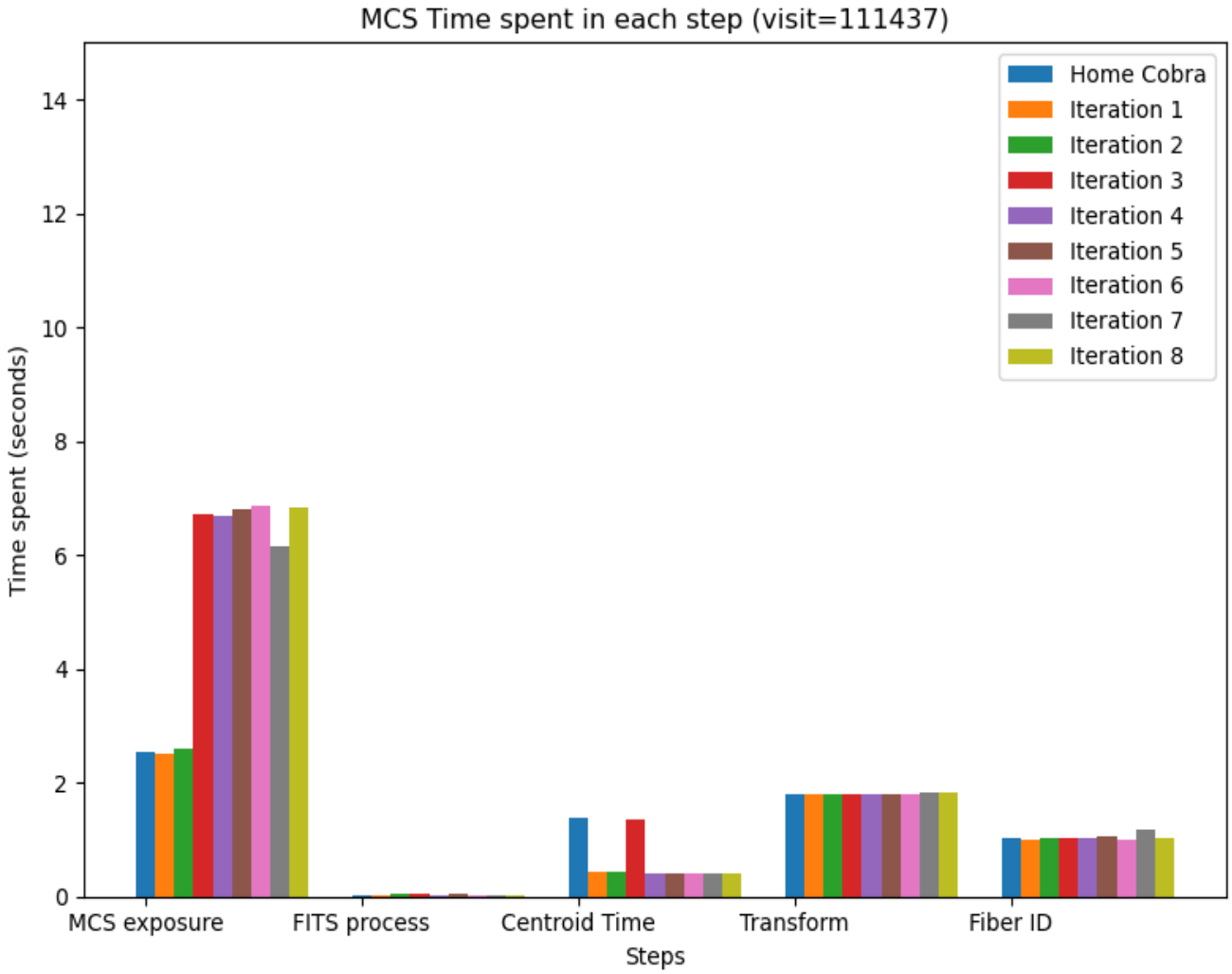

MCS Time spent in each step (visit=111406)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

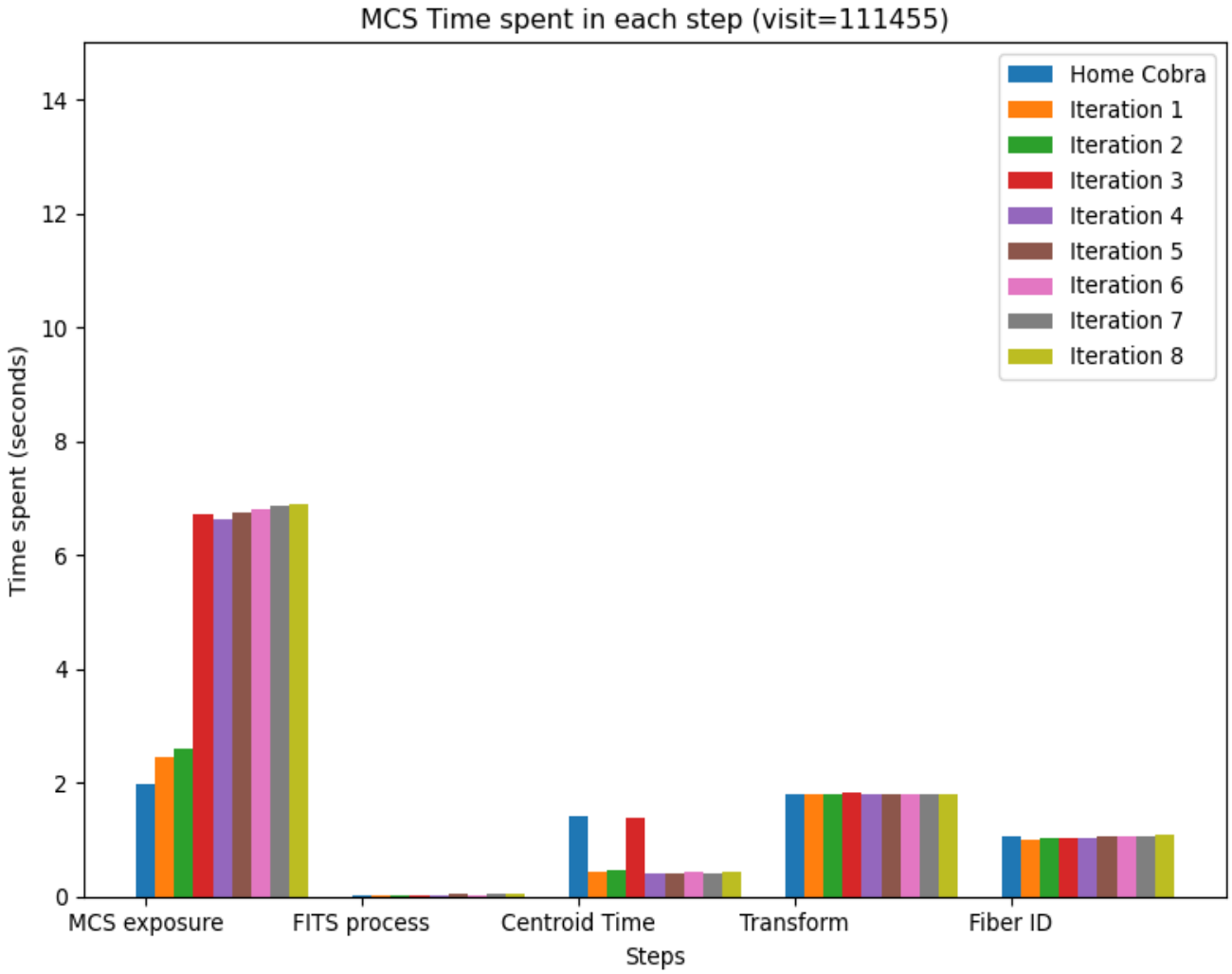

MCS Time spent in each step (visit=111408)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

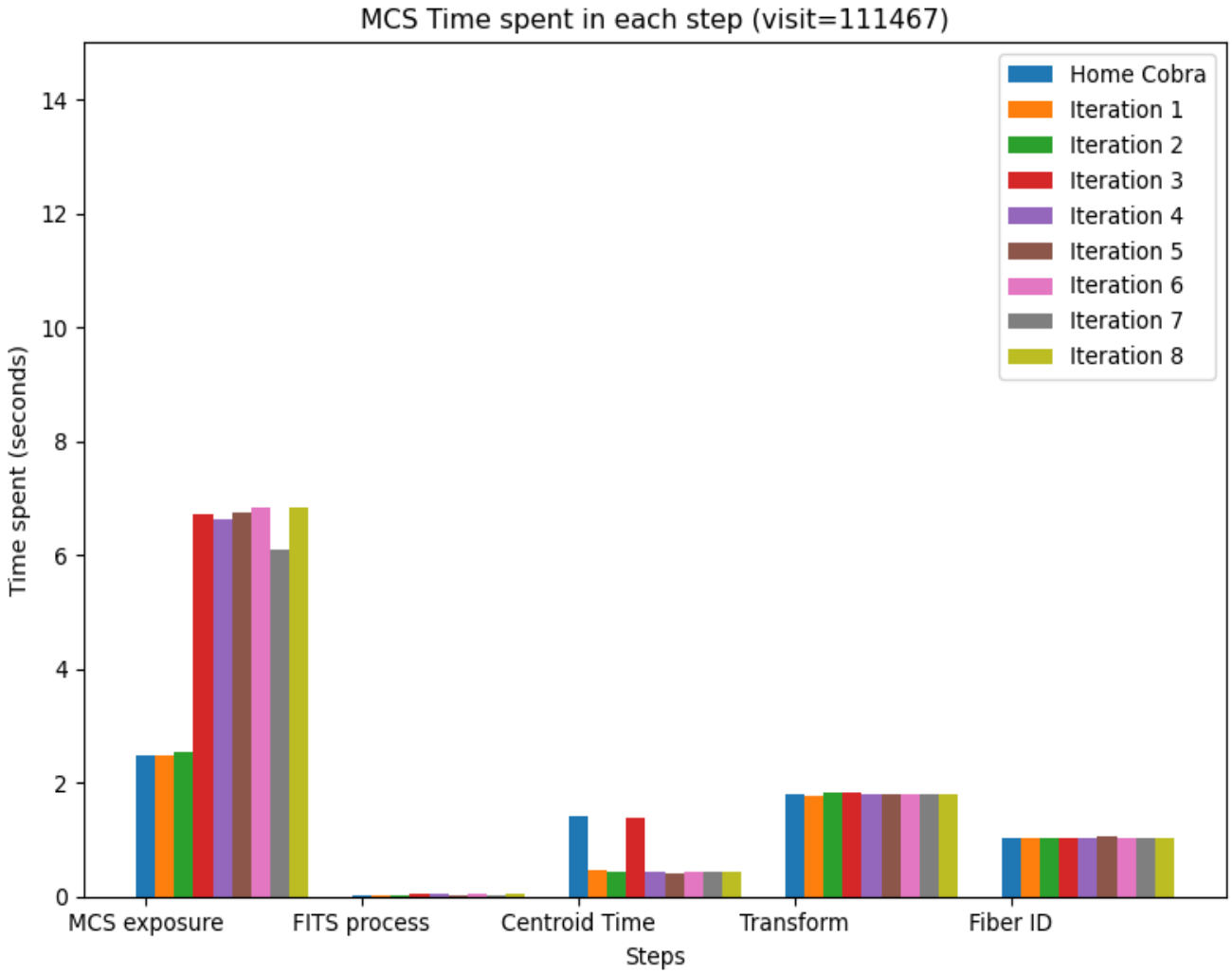

MCS Time spent in each step (visit=111430)
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8

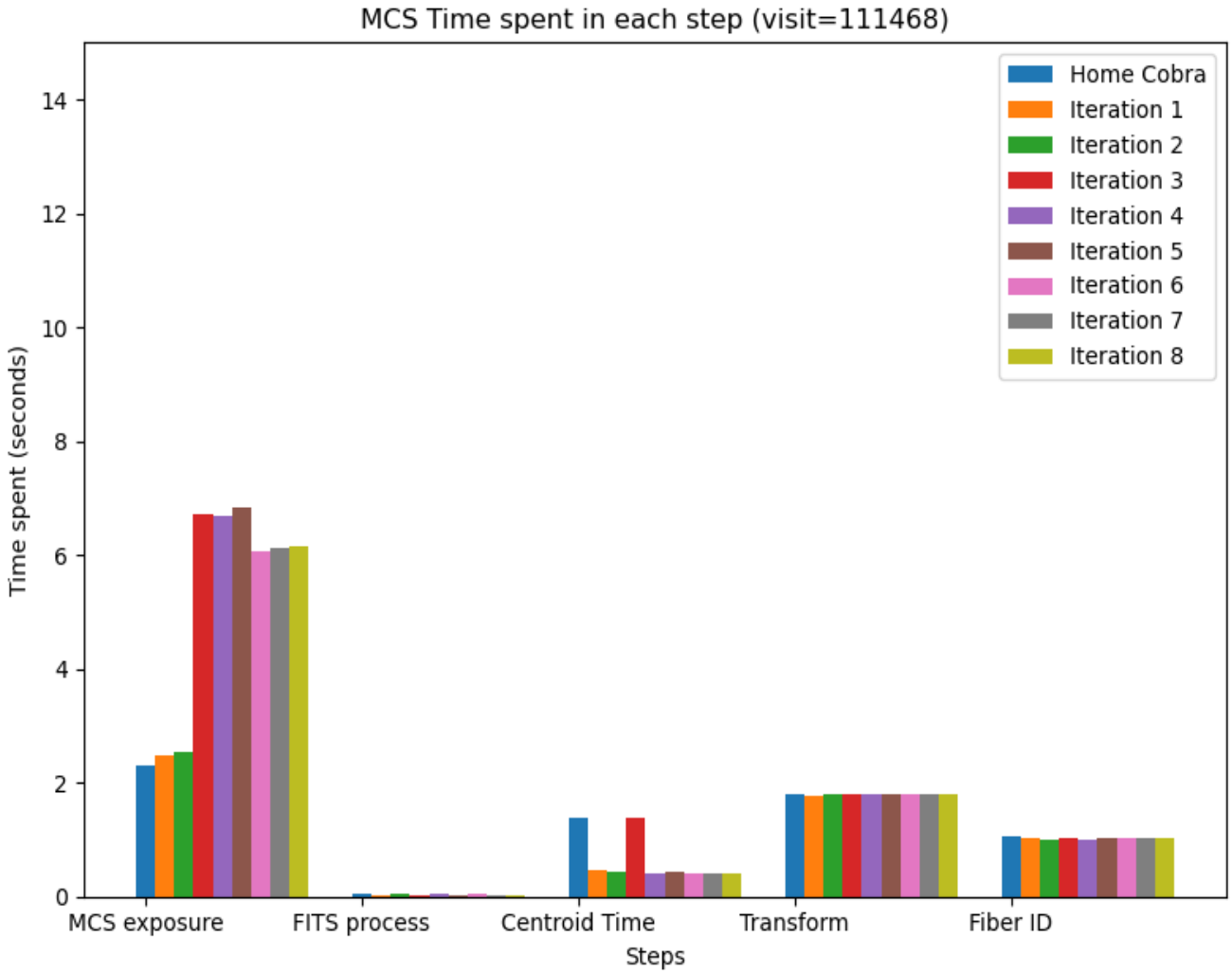

MCS Time spent in each step (visit=111432)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

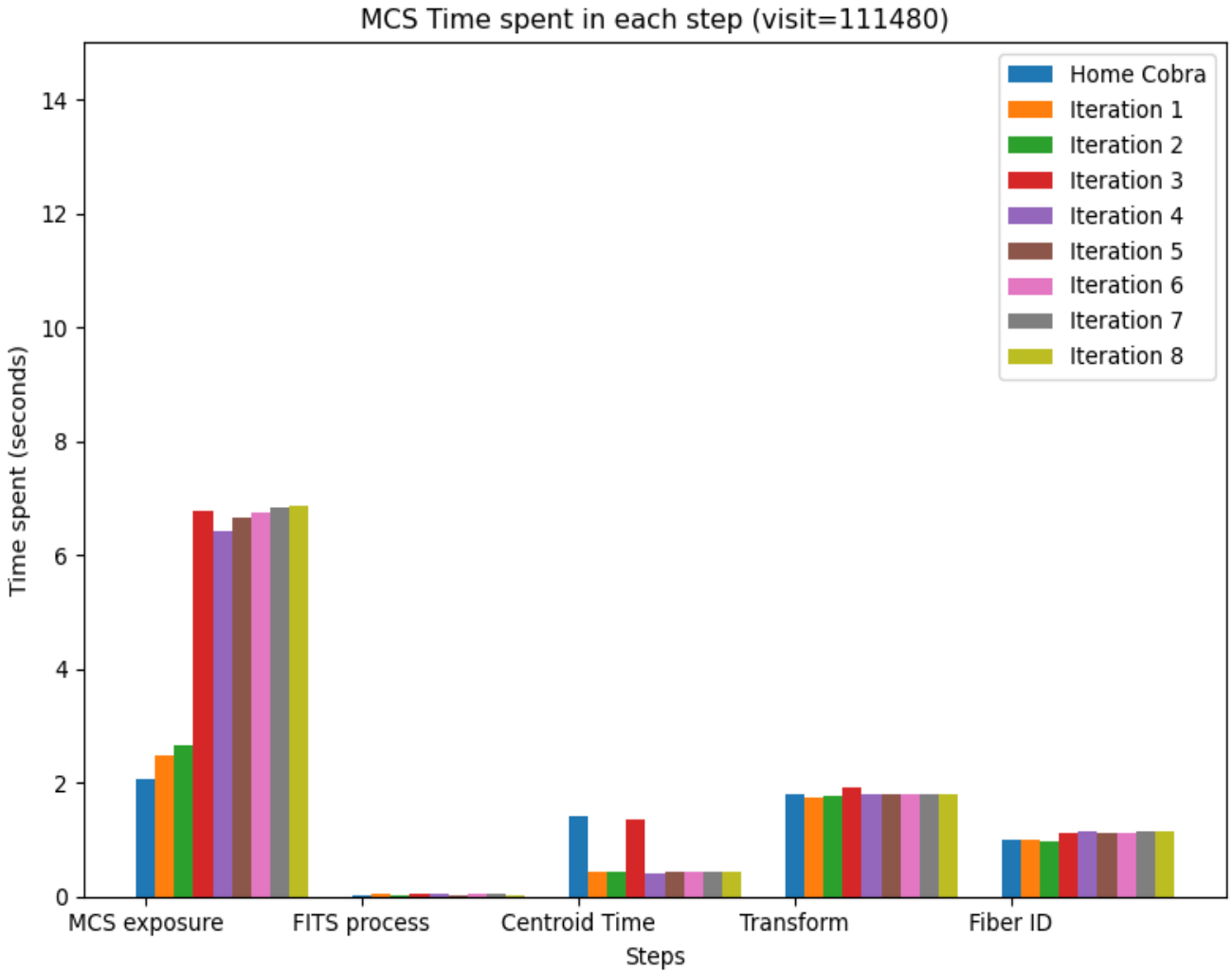

MCS Time spent in each step (visit=111434)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

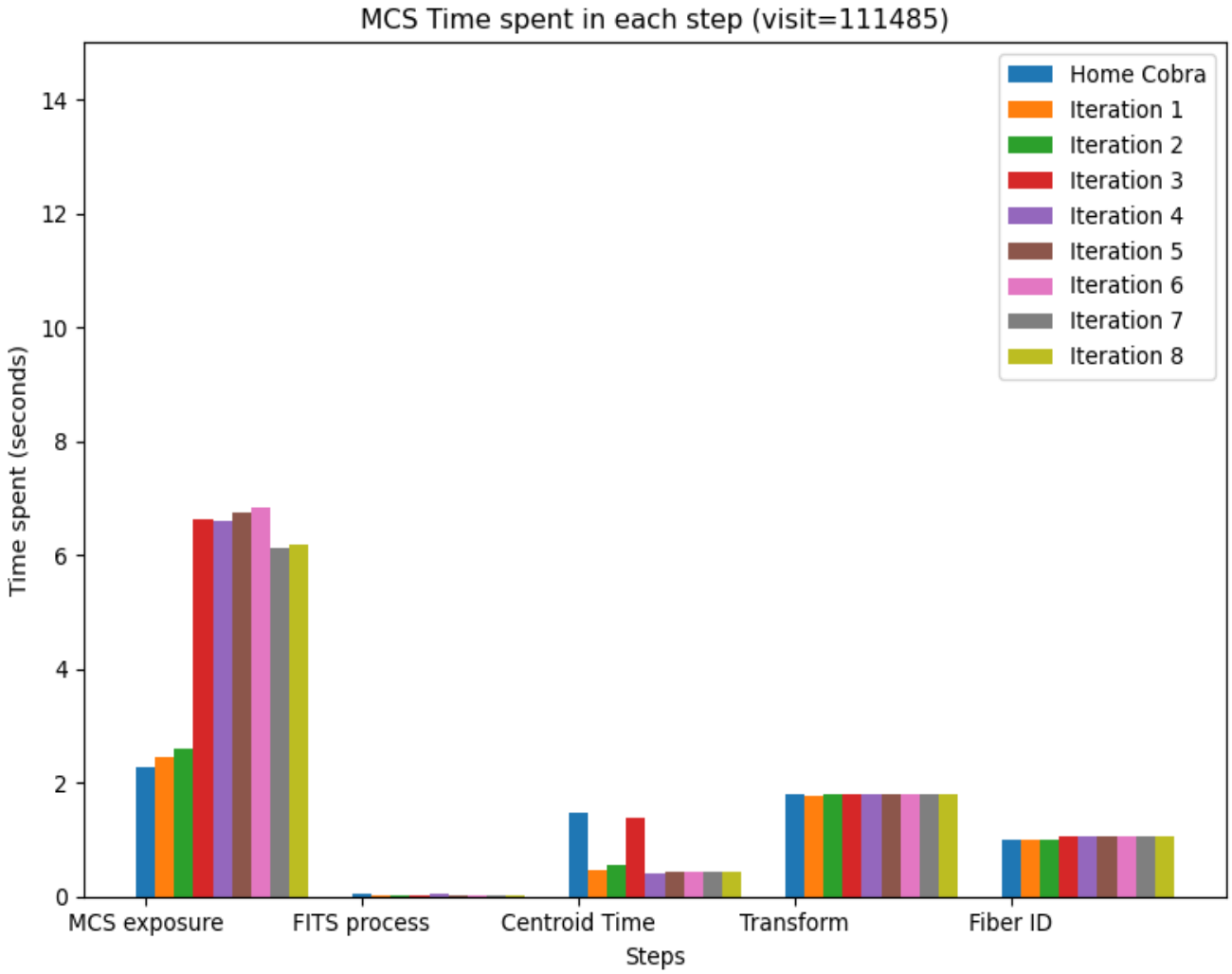

MCS Time spent in each step (visit=111437)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

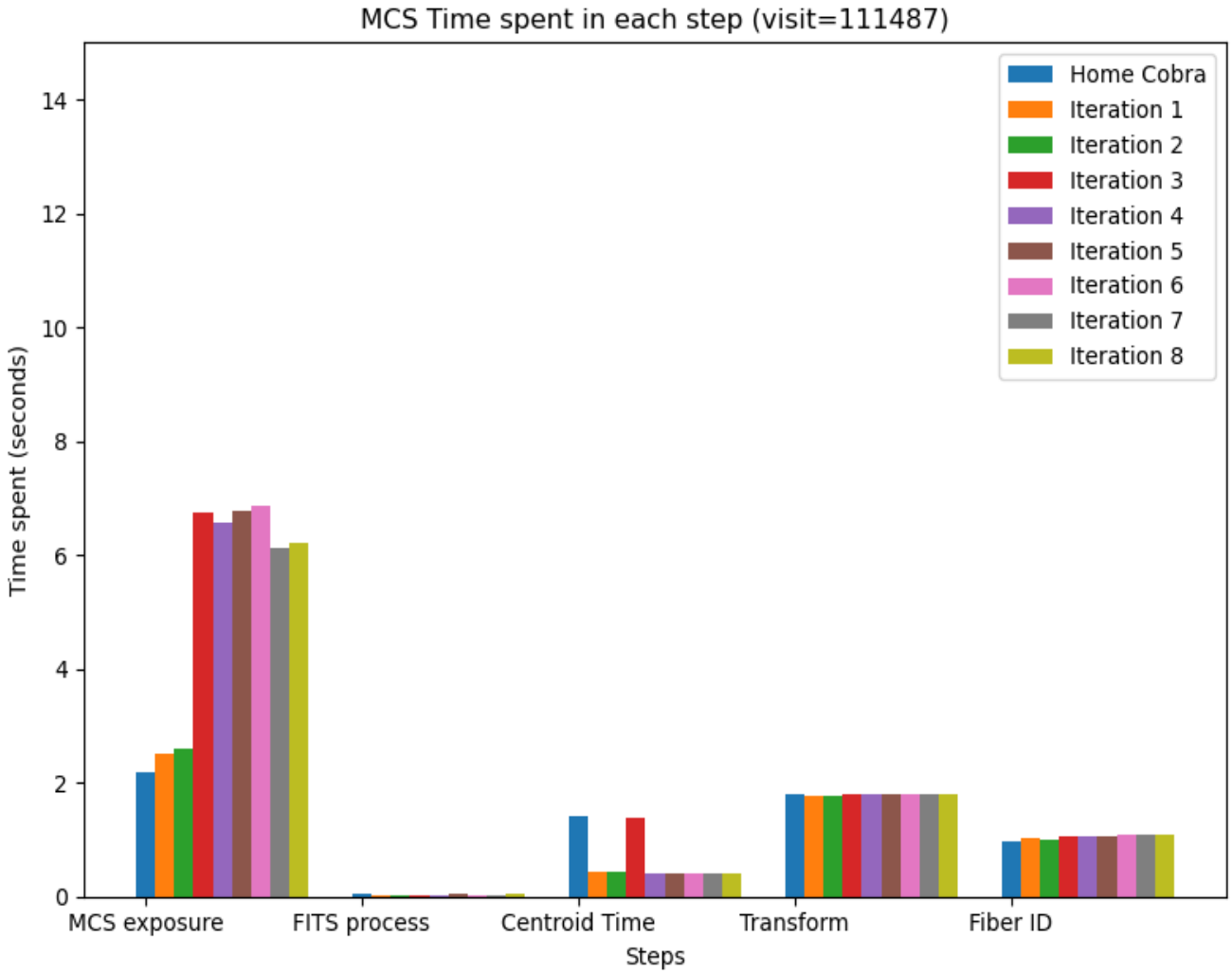

MCS Time spent in each step (visit=111455)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

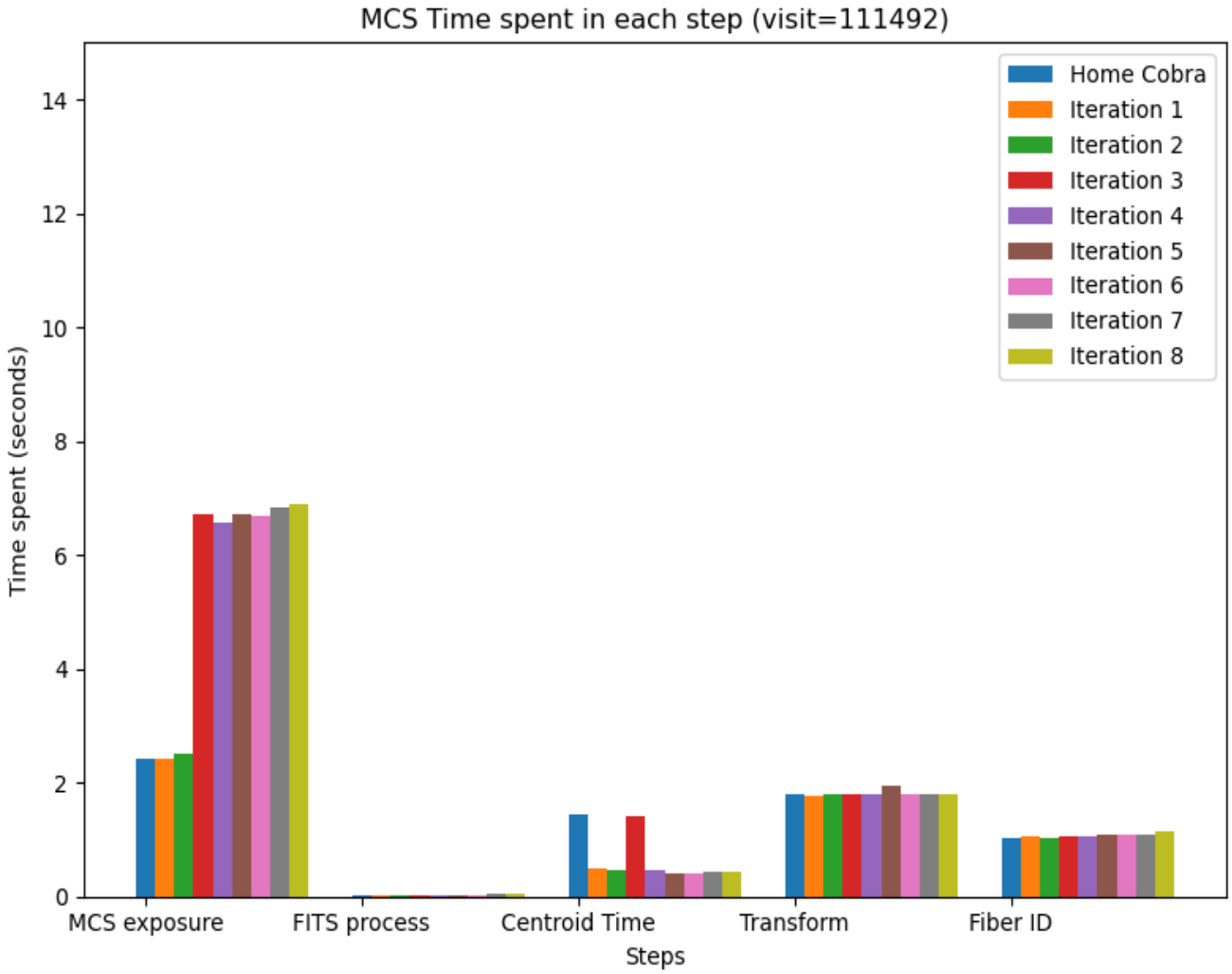

MCS Time spent in each step (visit=111467)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

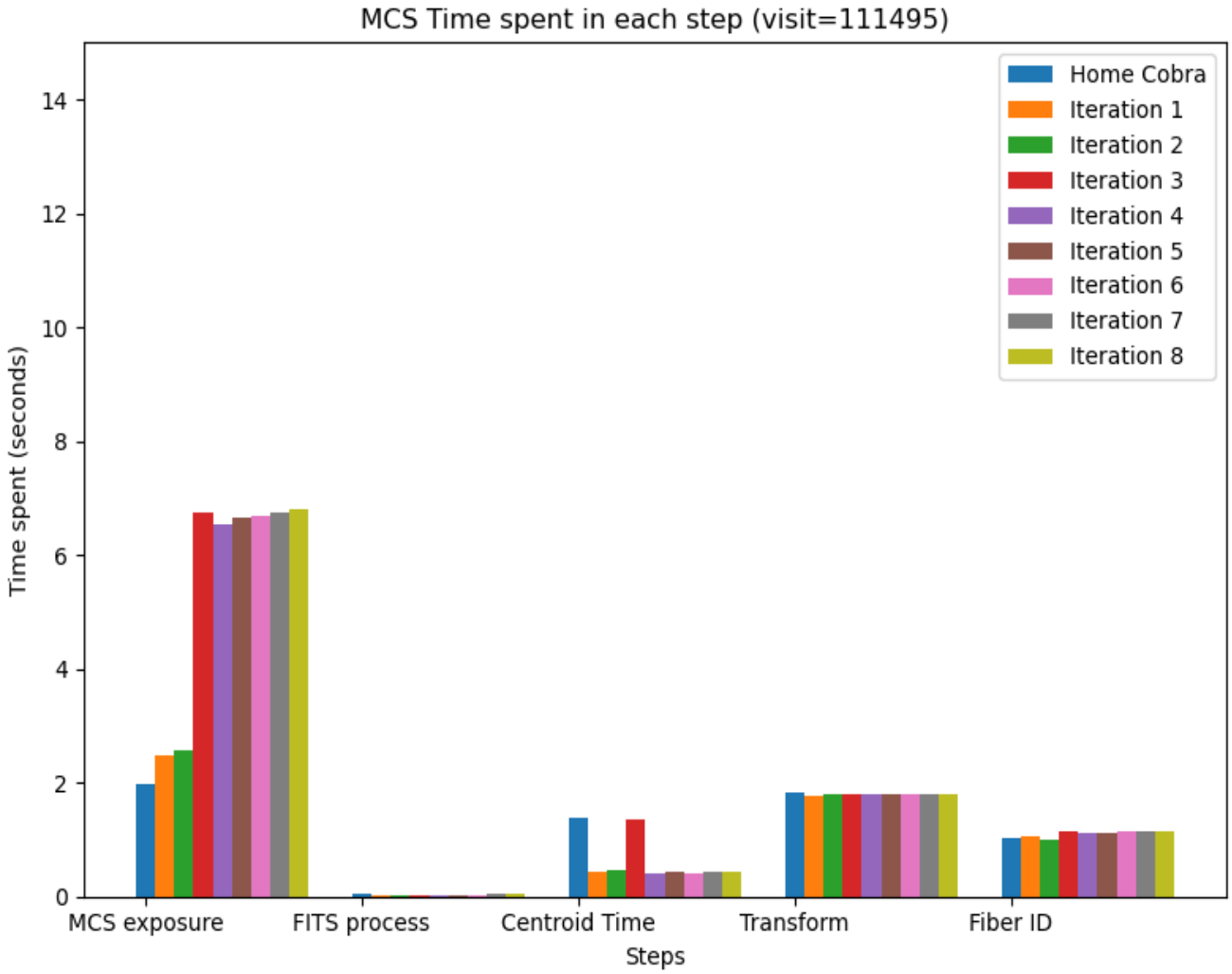

MCS Time spent in each step (visit=111468)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

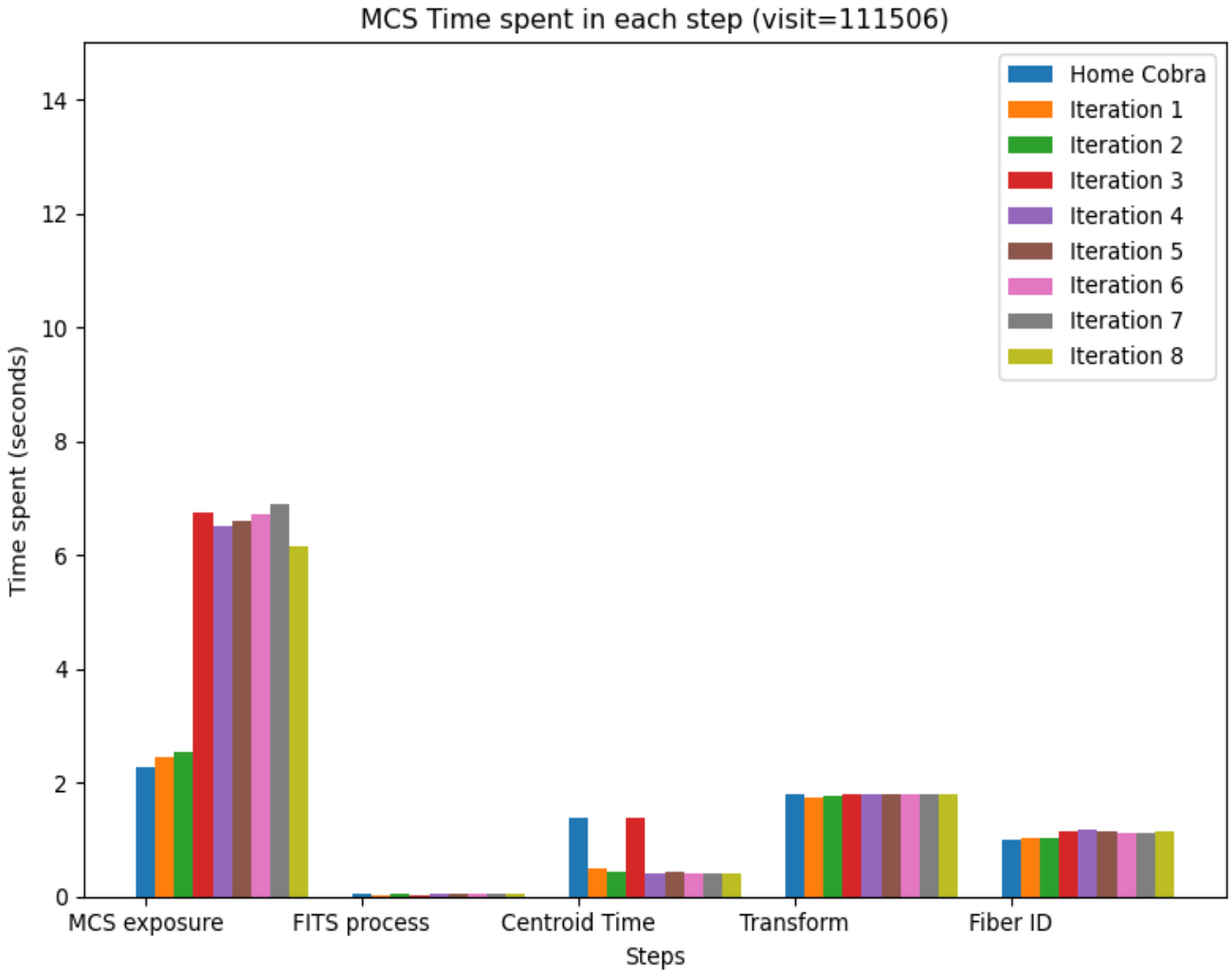

MCS Time spent in each step (visit=111480)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

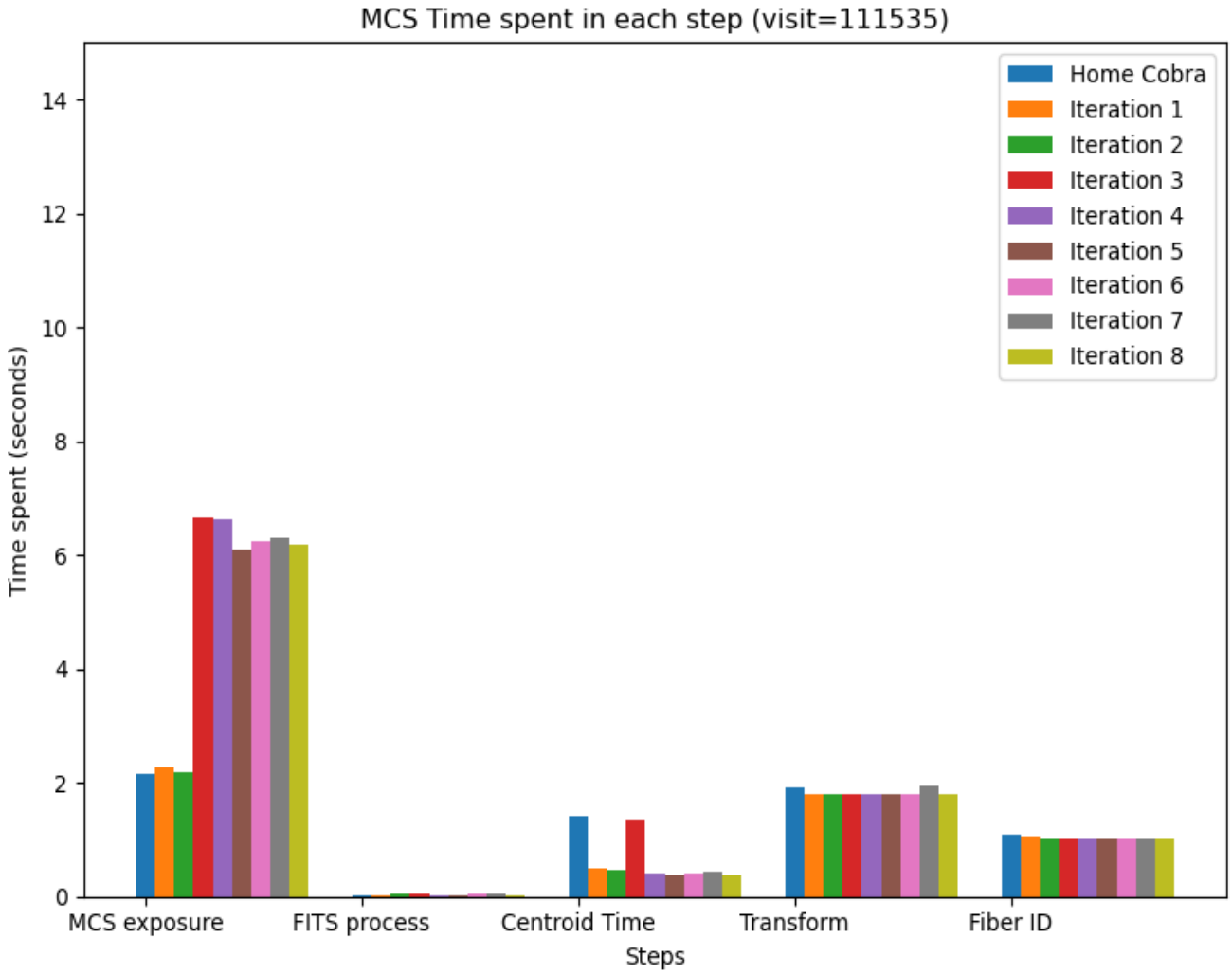

MCS Time spent in each step (visit=111485)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

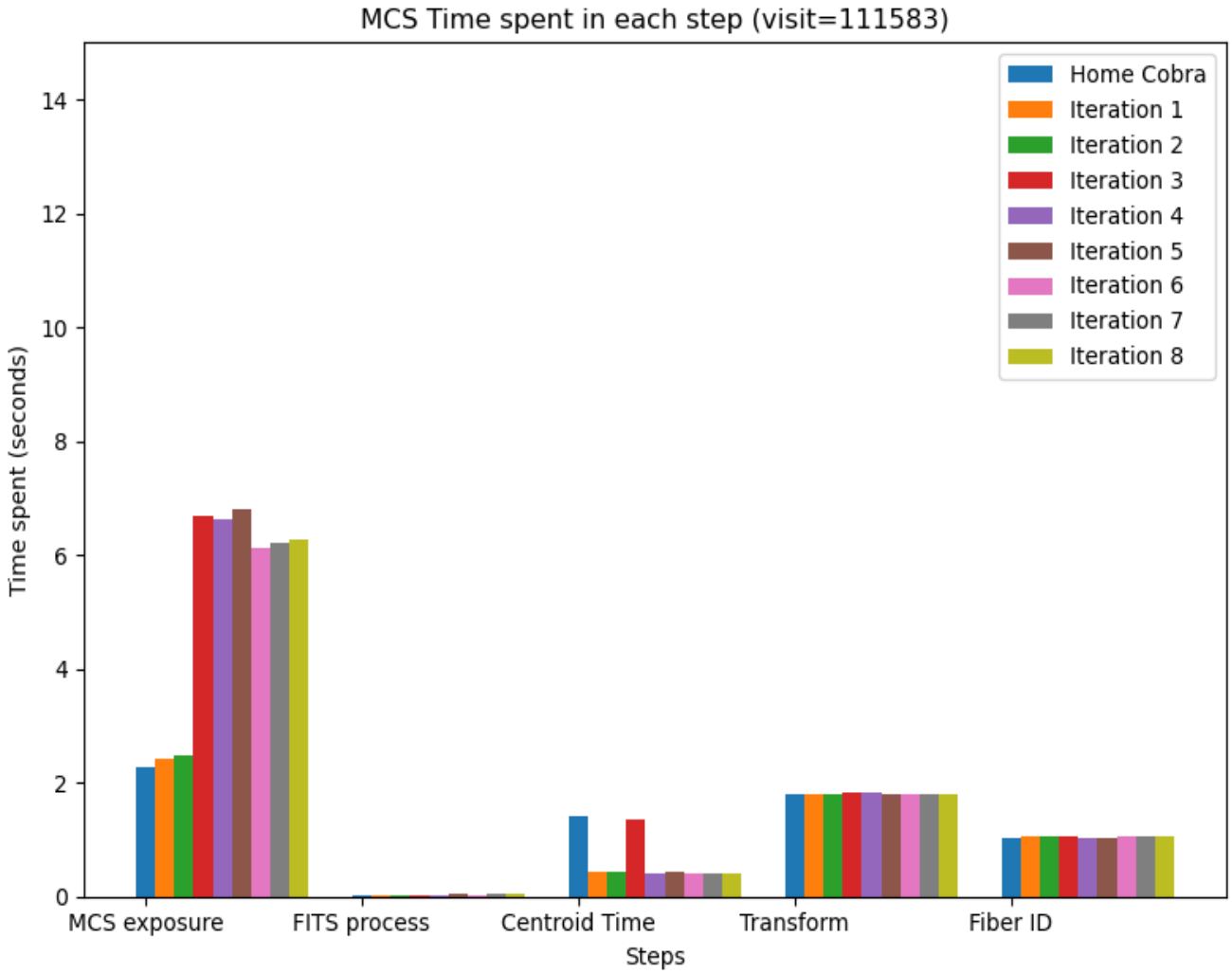

MCS Time spent in each step (visit=111487)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

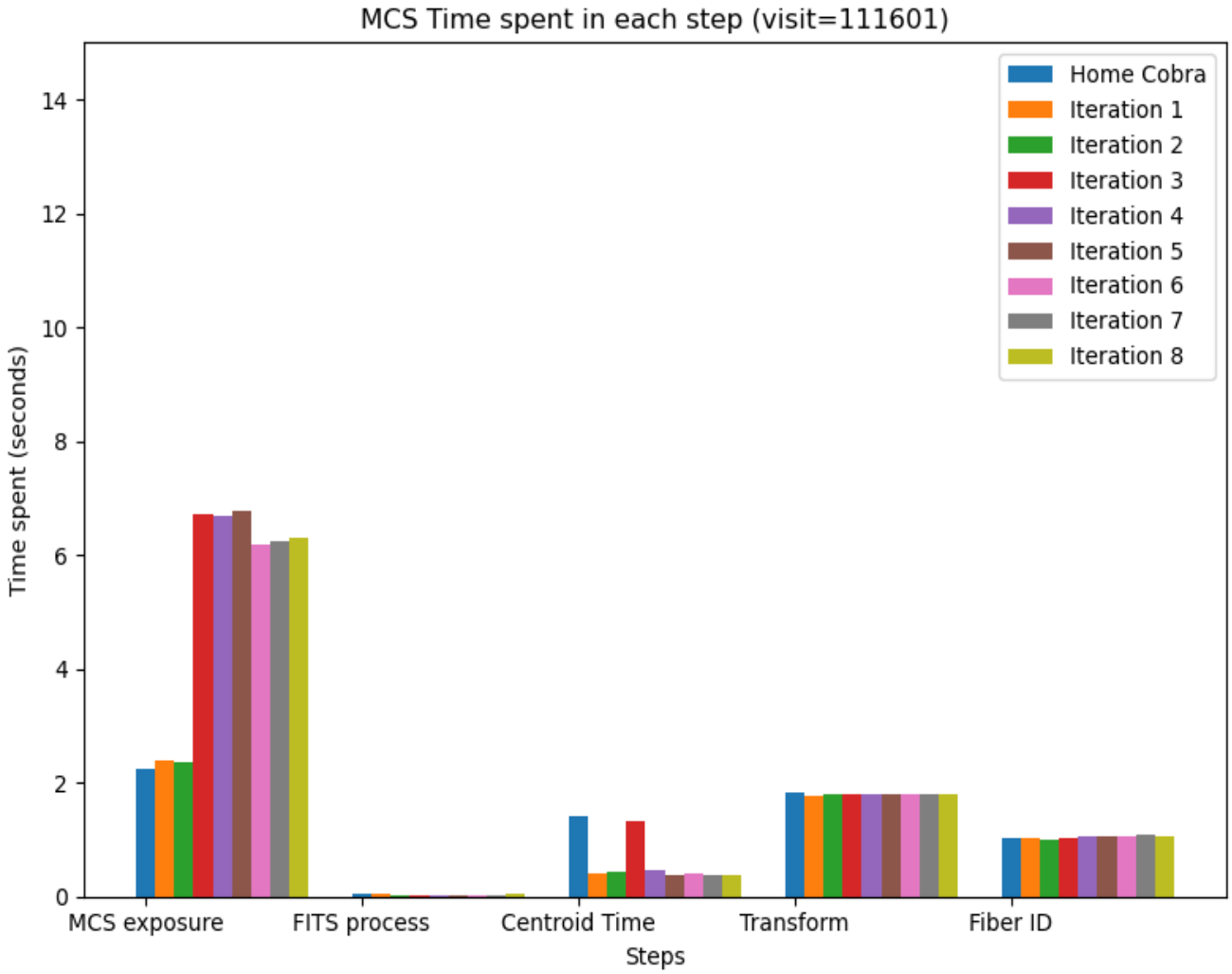

MCS Time spent in each step (visit=111492)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

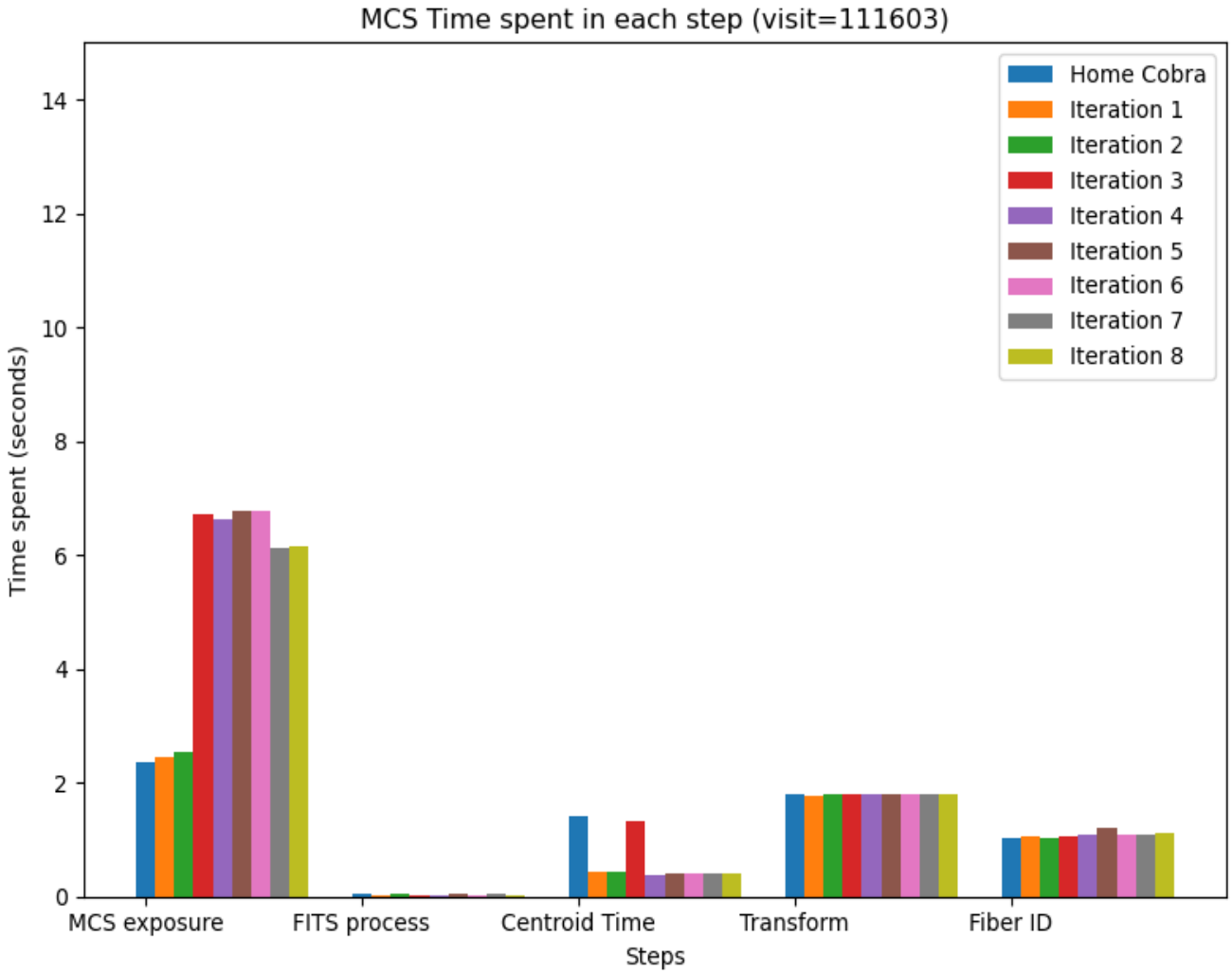

MCS Time spent in each step (visit=111495)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

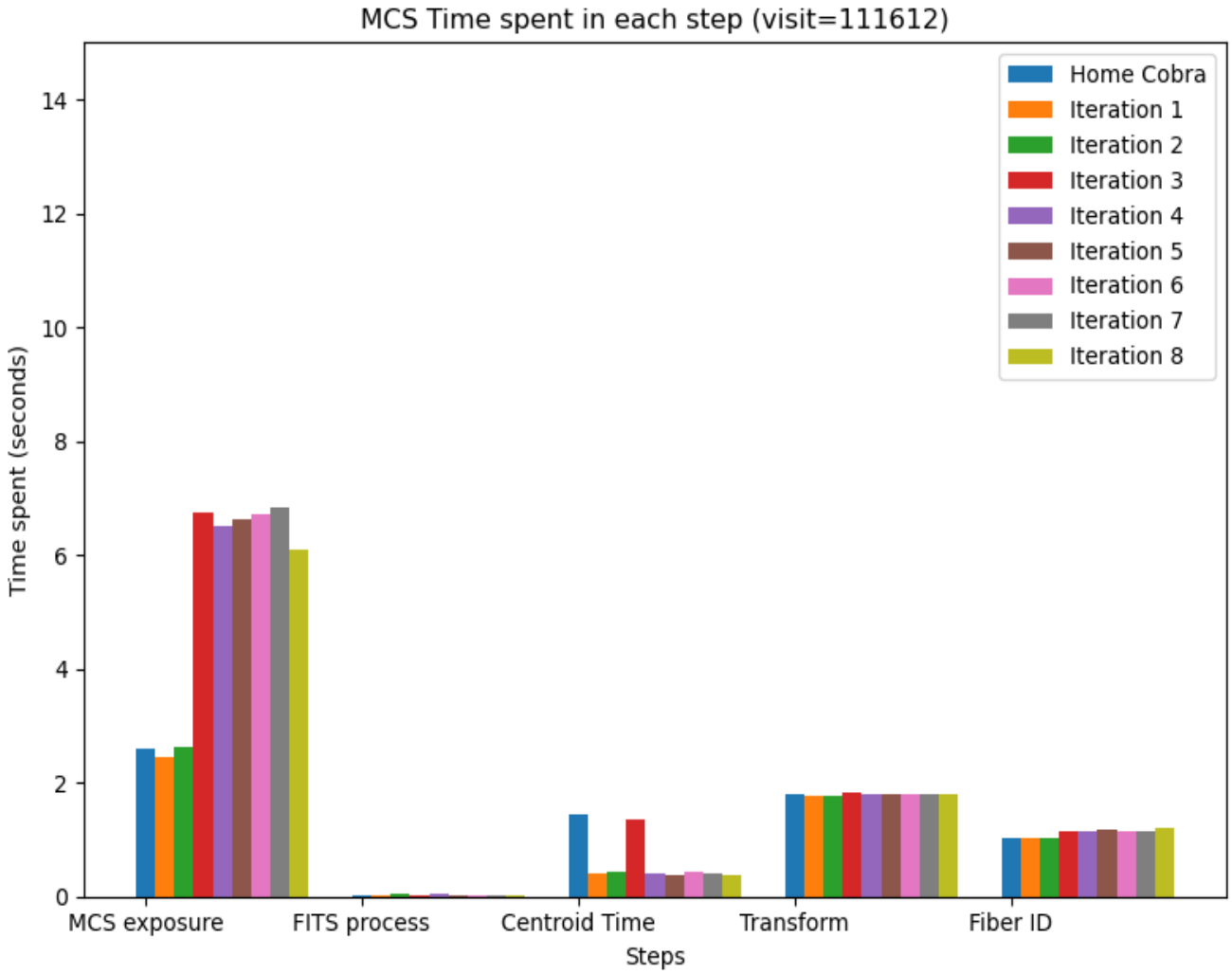

MCS Time spent in each step (visit=111506)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

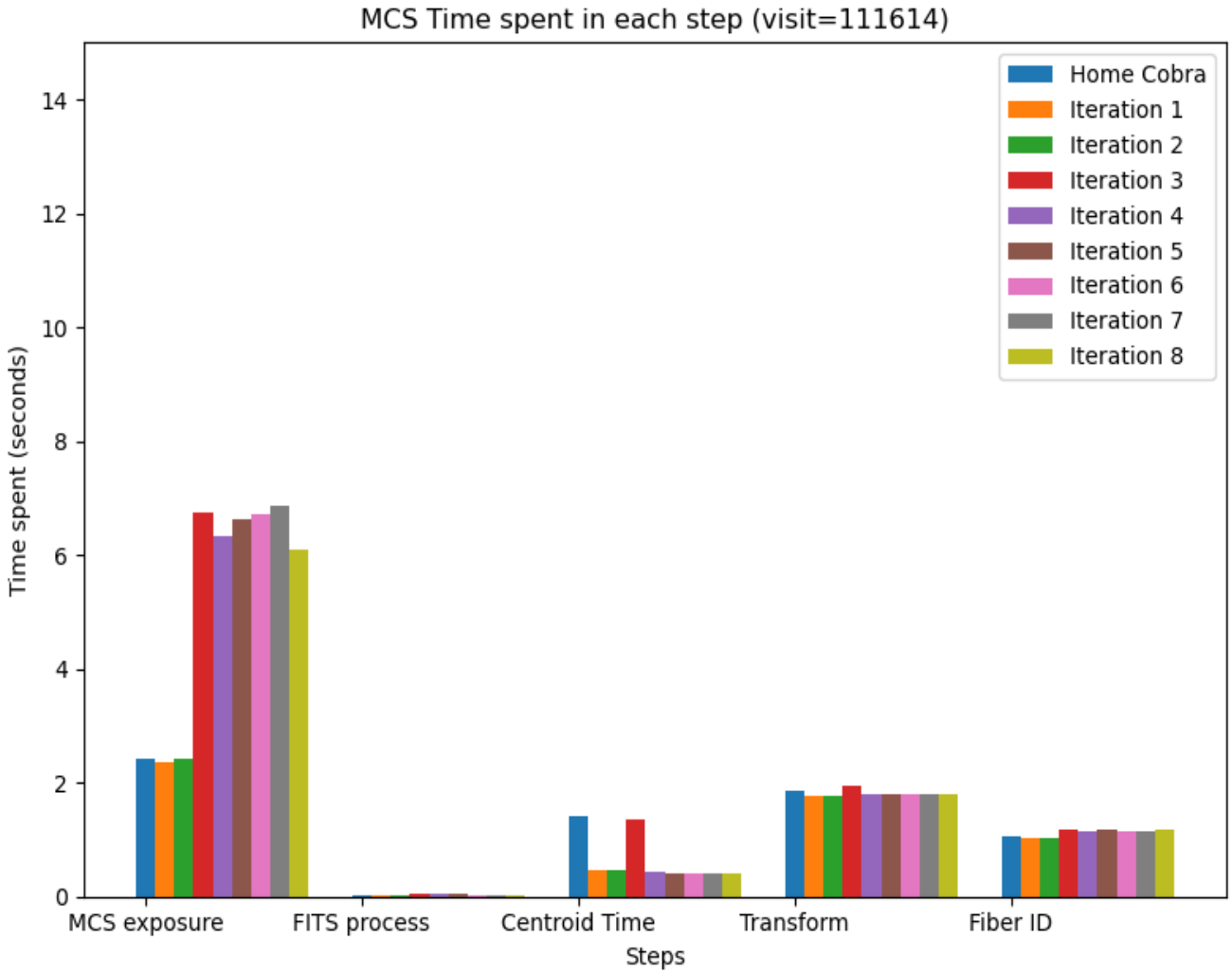

MCS Time spent in each step (visit=111535)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

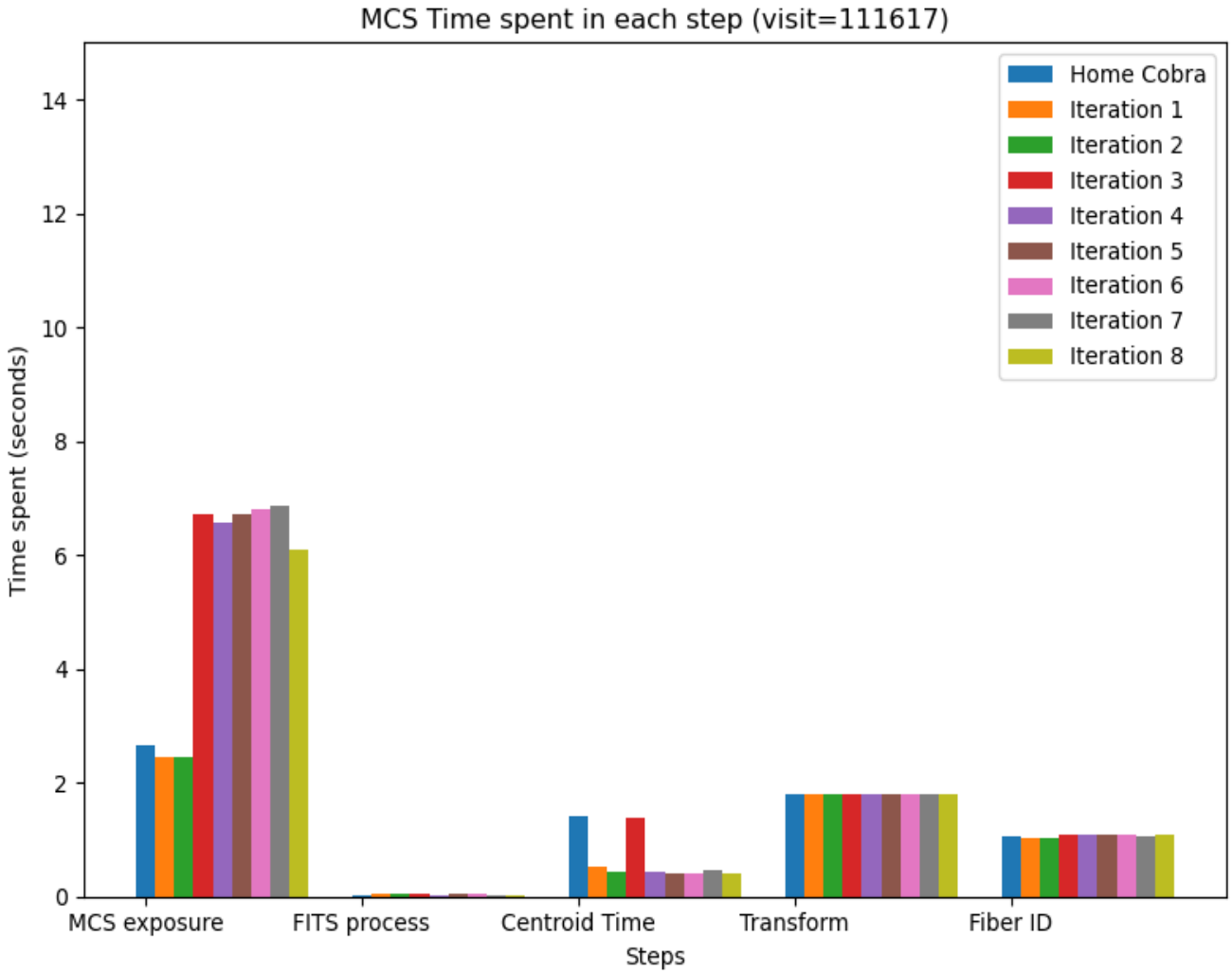

MCS Time spent in each step (visit=111583)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

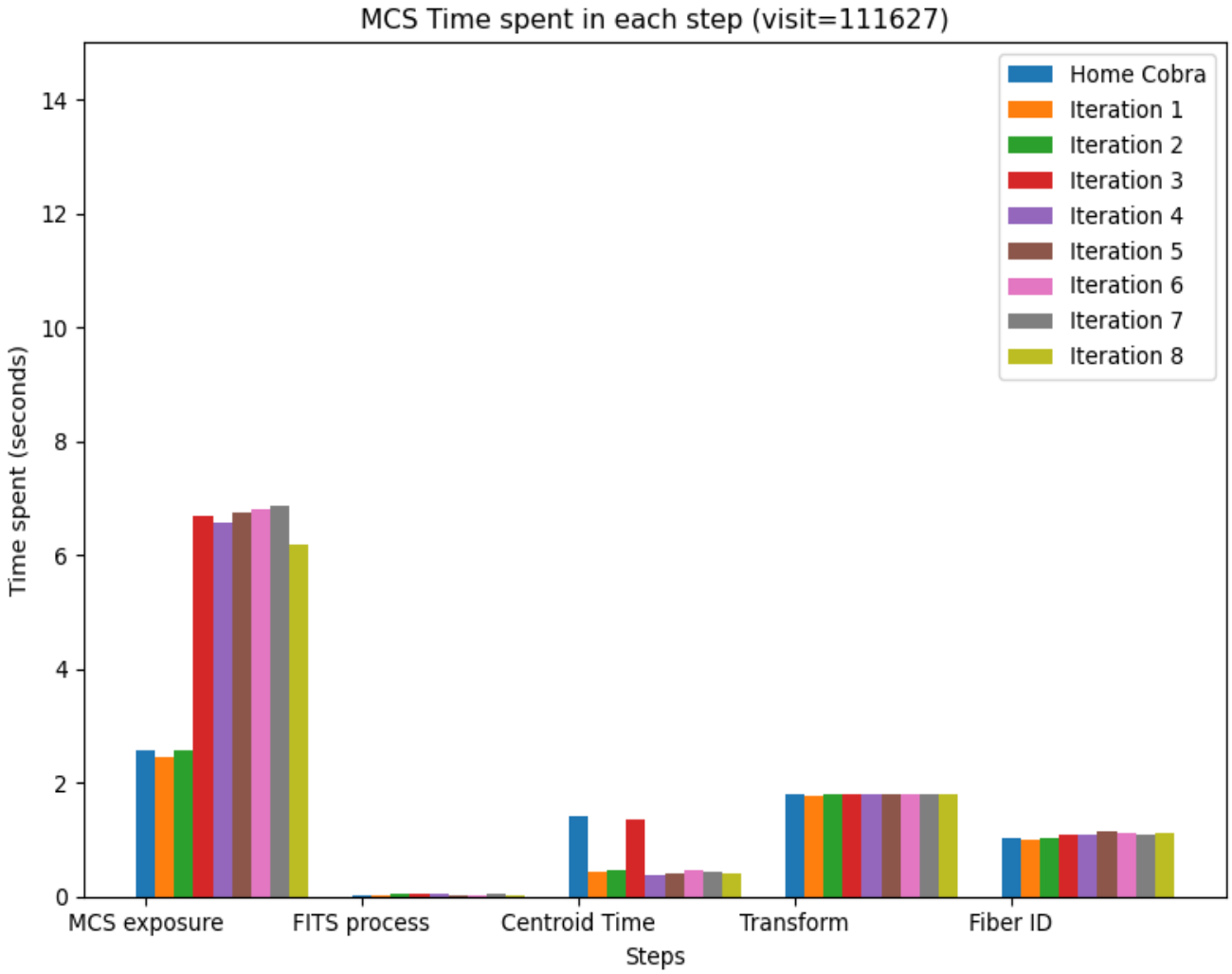

MCS Time spent in each step (visit=111601)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

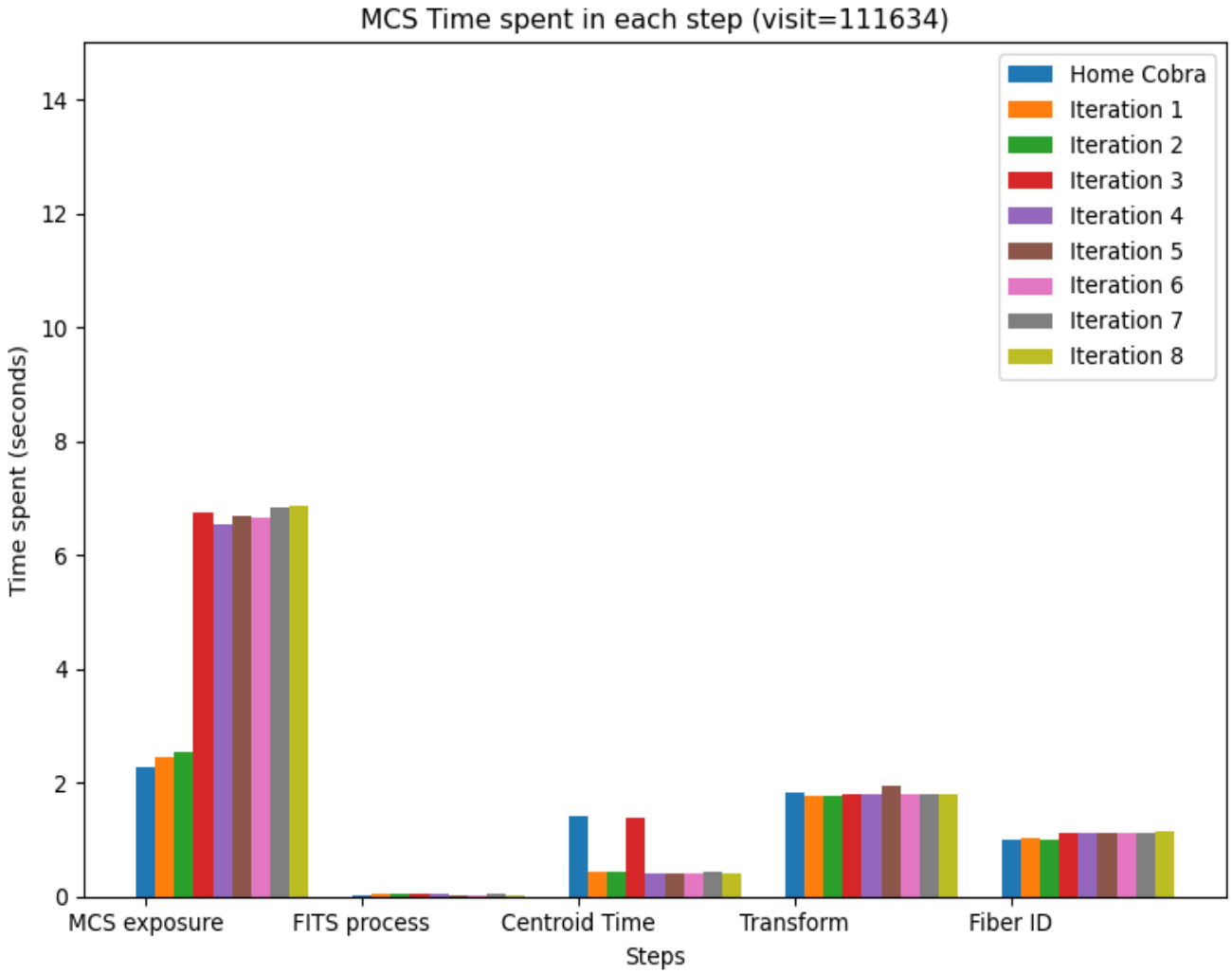

MCS Time spent in each step (visit=111603)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

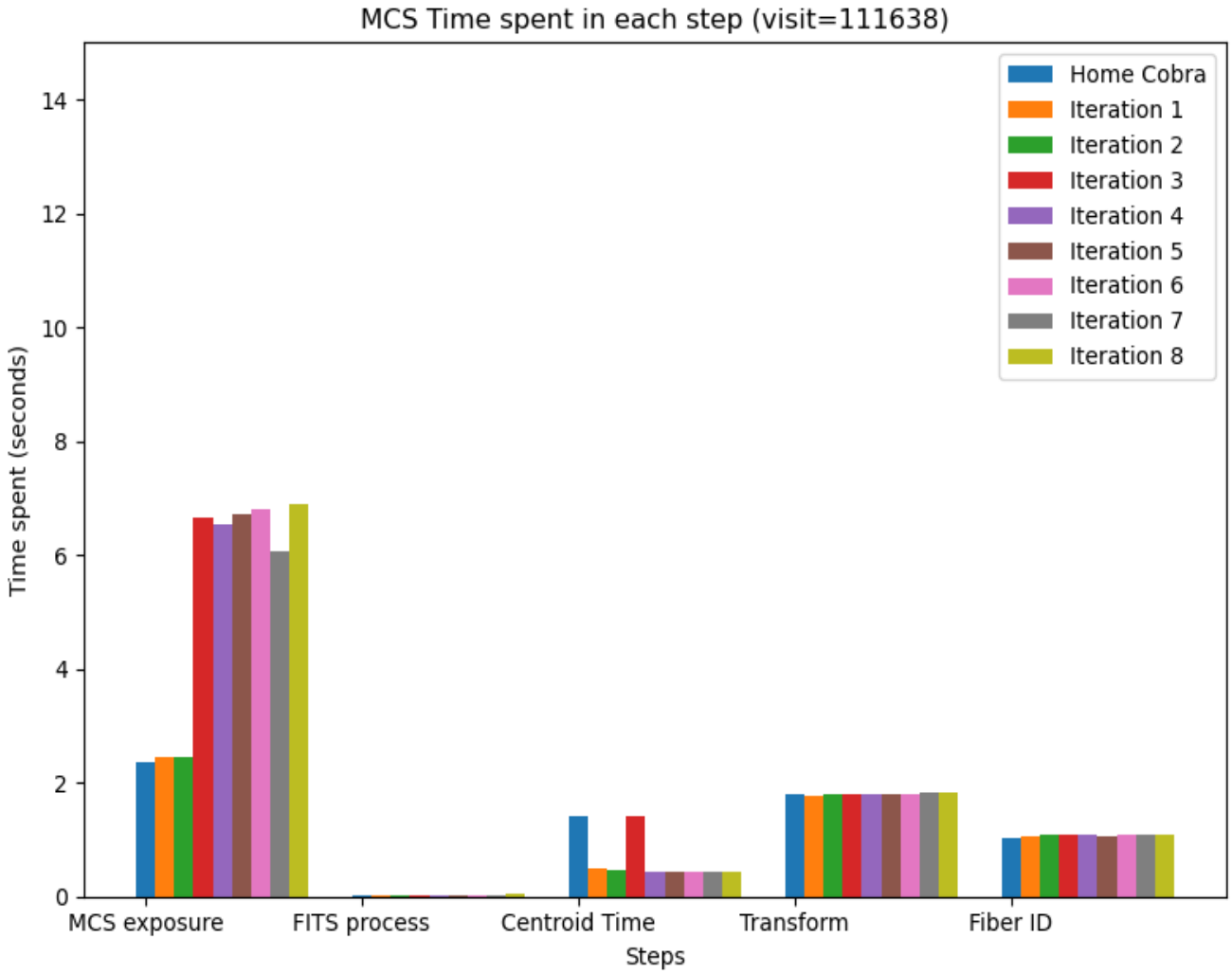

MCS Time spent in each step (visit=111612)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

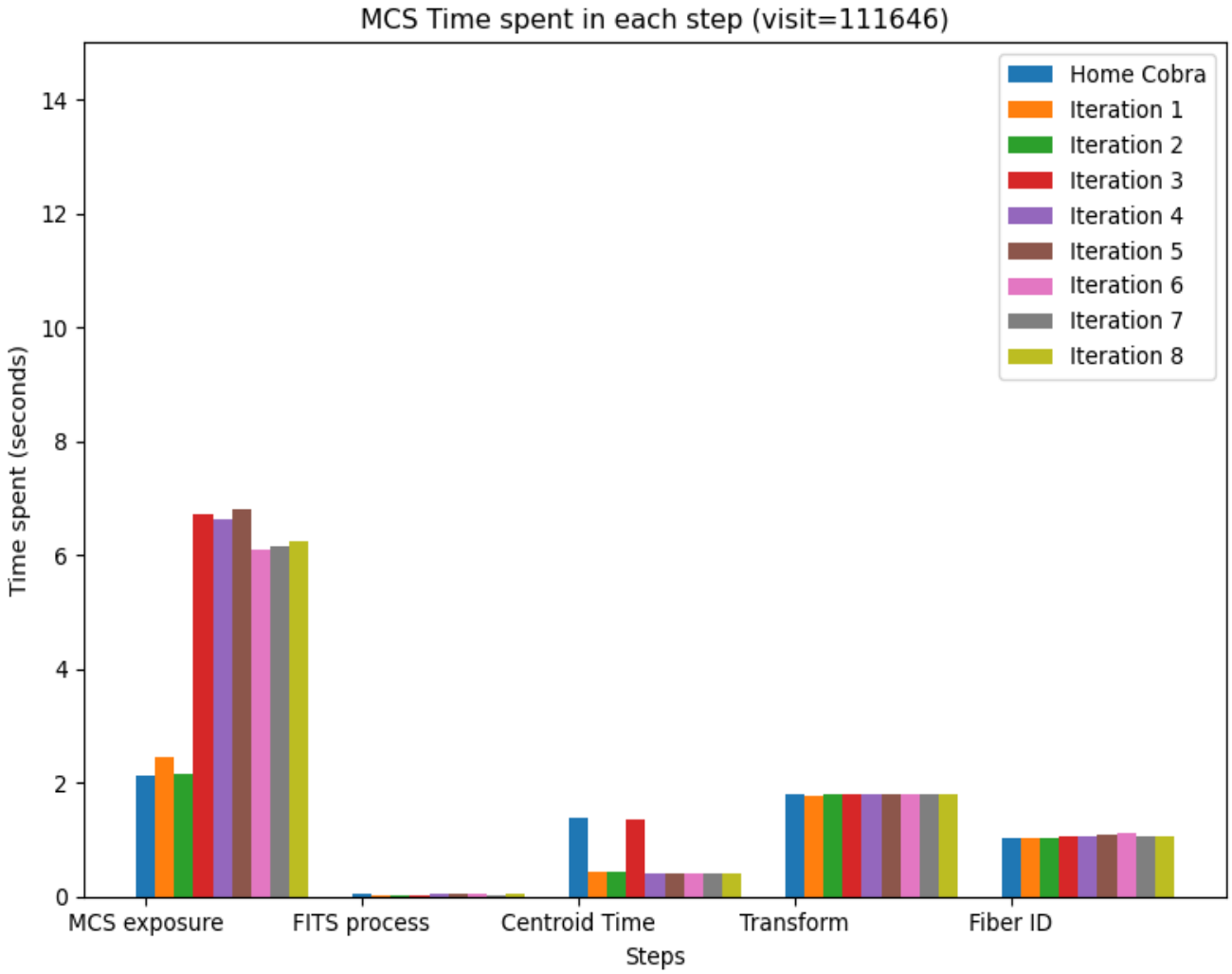

MCS Time spent in each step (visit=111614)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

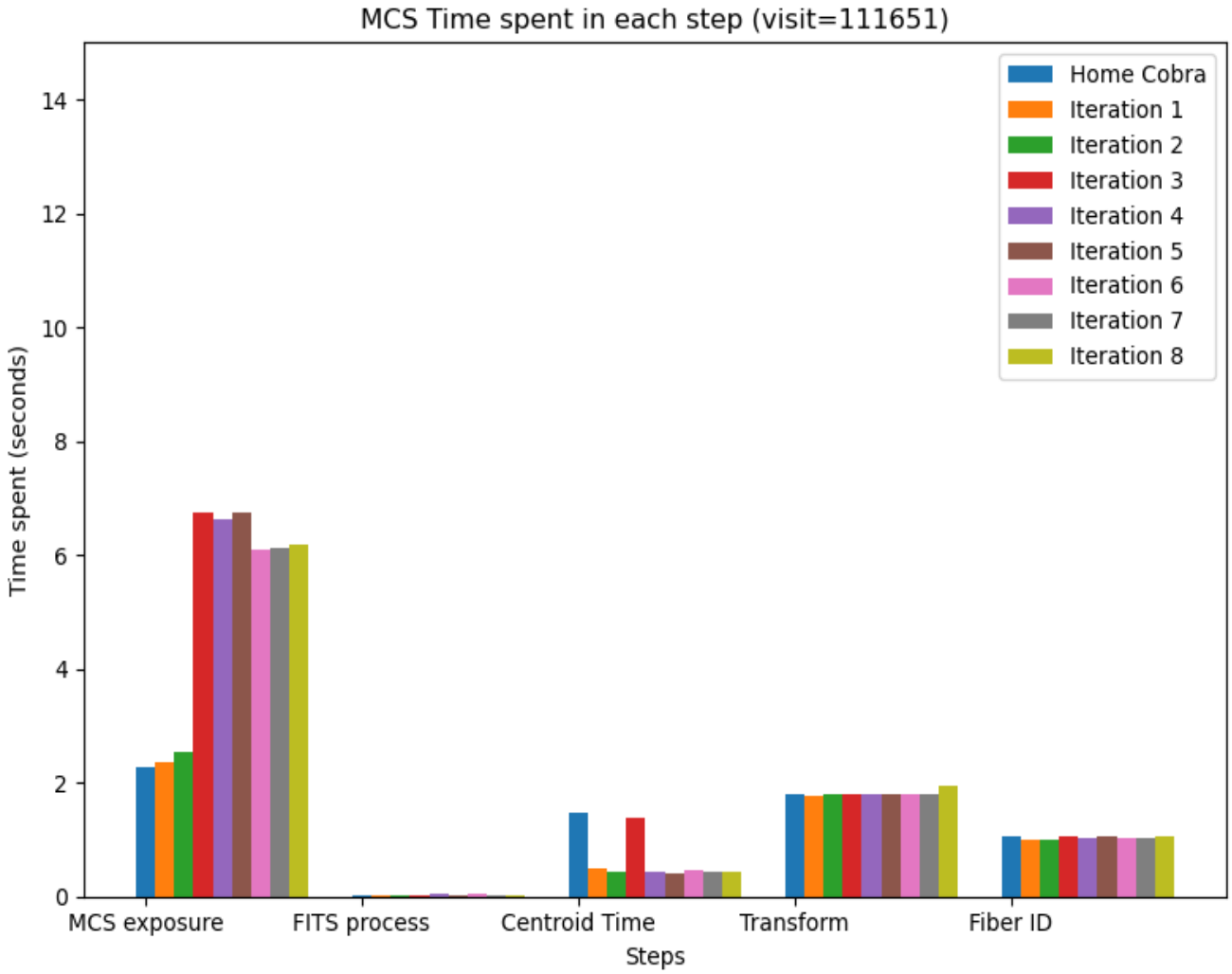

MCS Time spent in each step (visit=111617)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

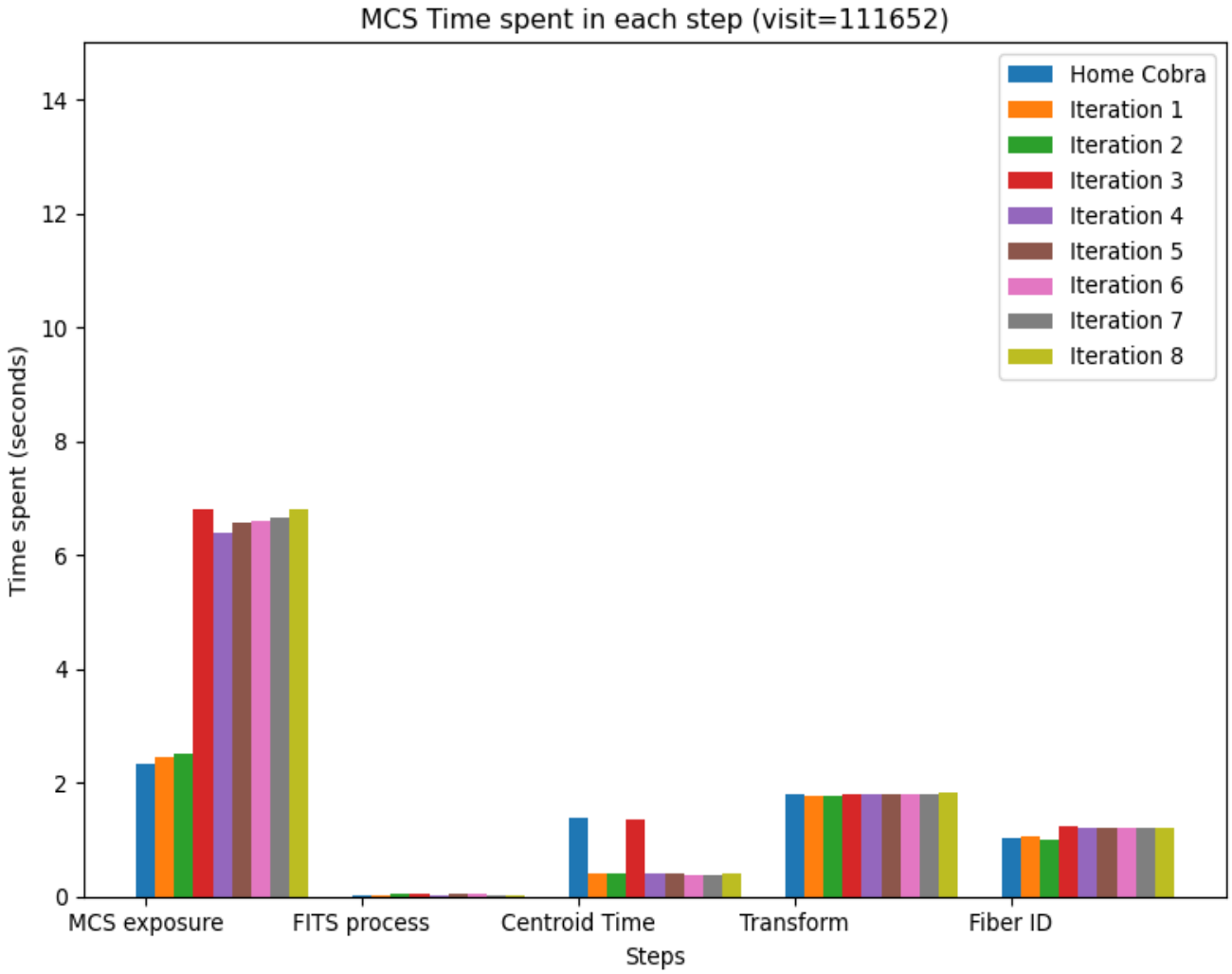

MCS Time spent in each step (visit=111627)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

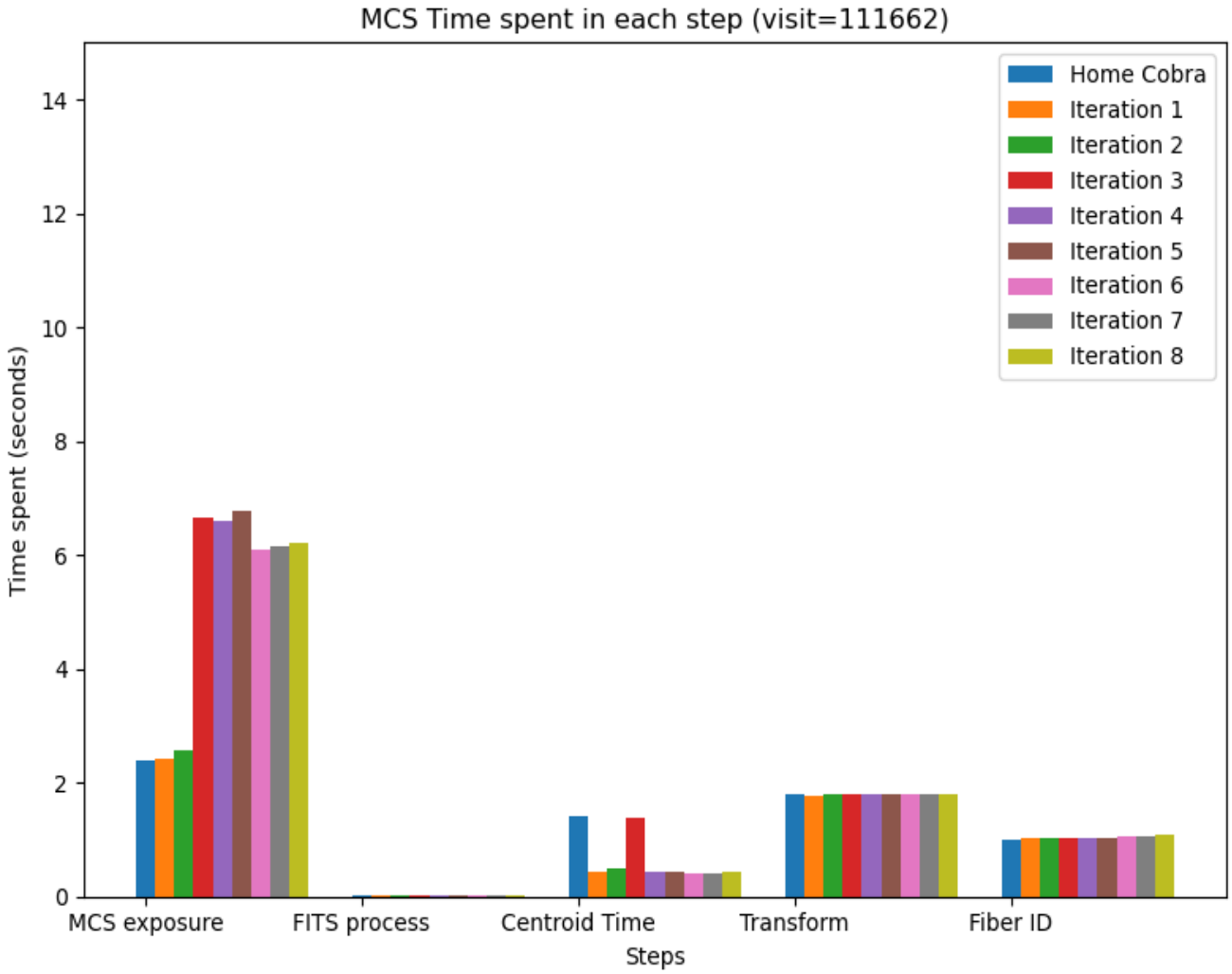

MCS Time spent in each step (visit=111634)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

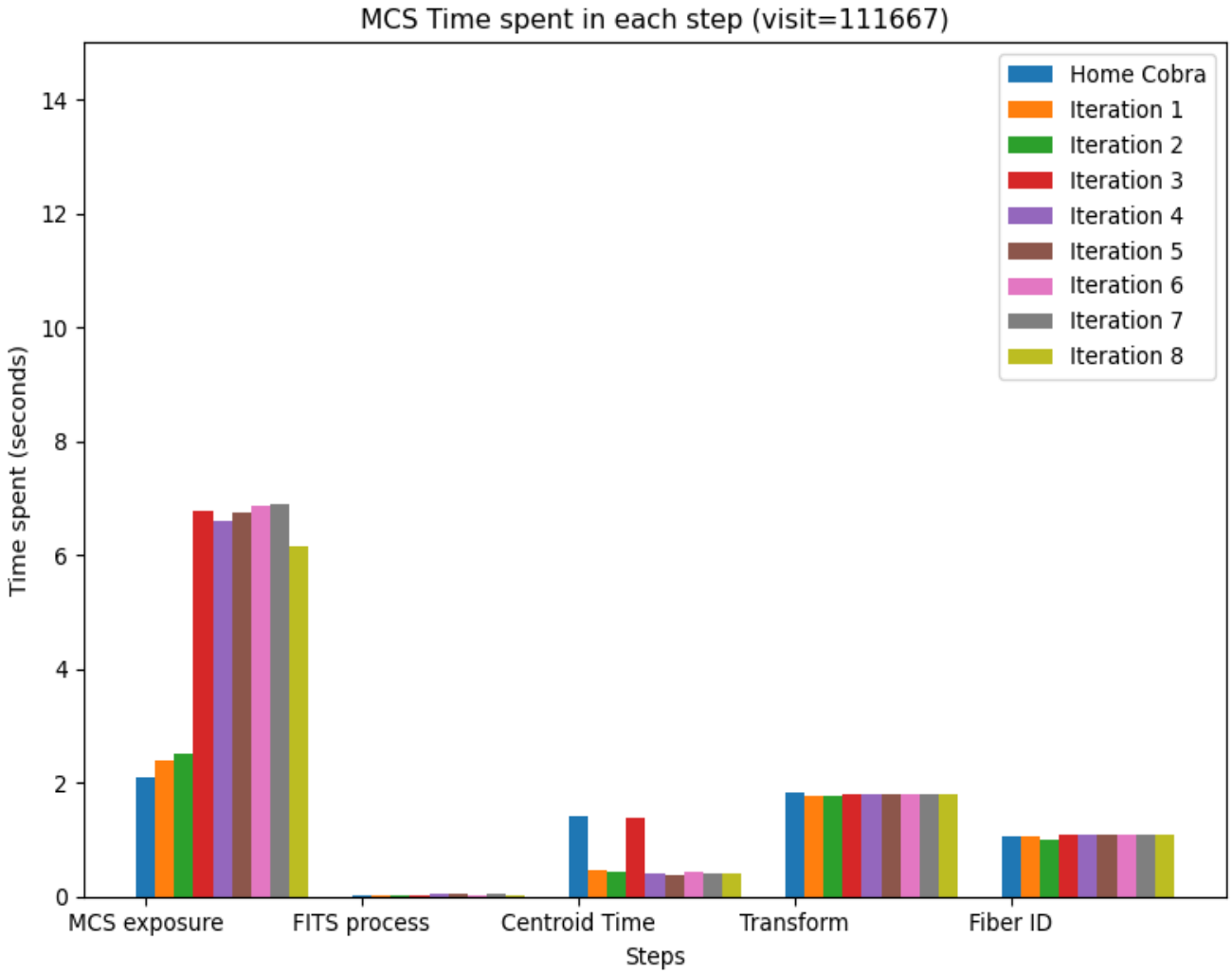

MCS Time spent in each step (visit=111638)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

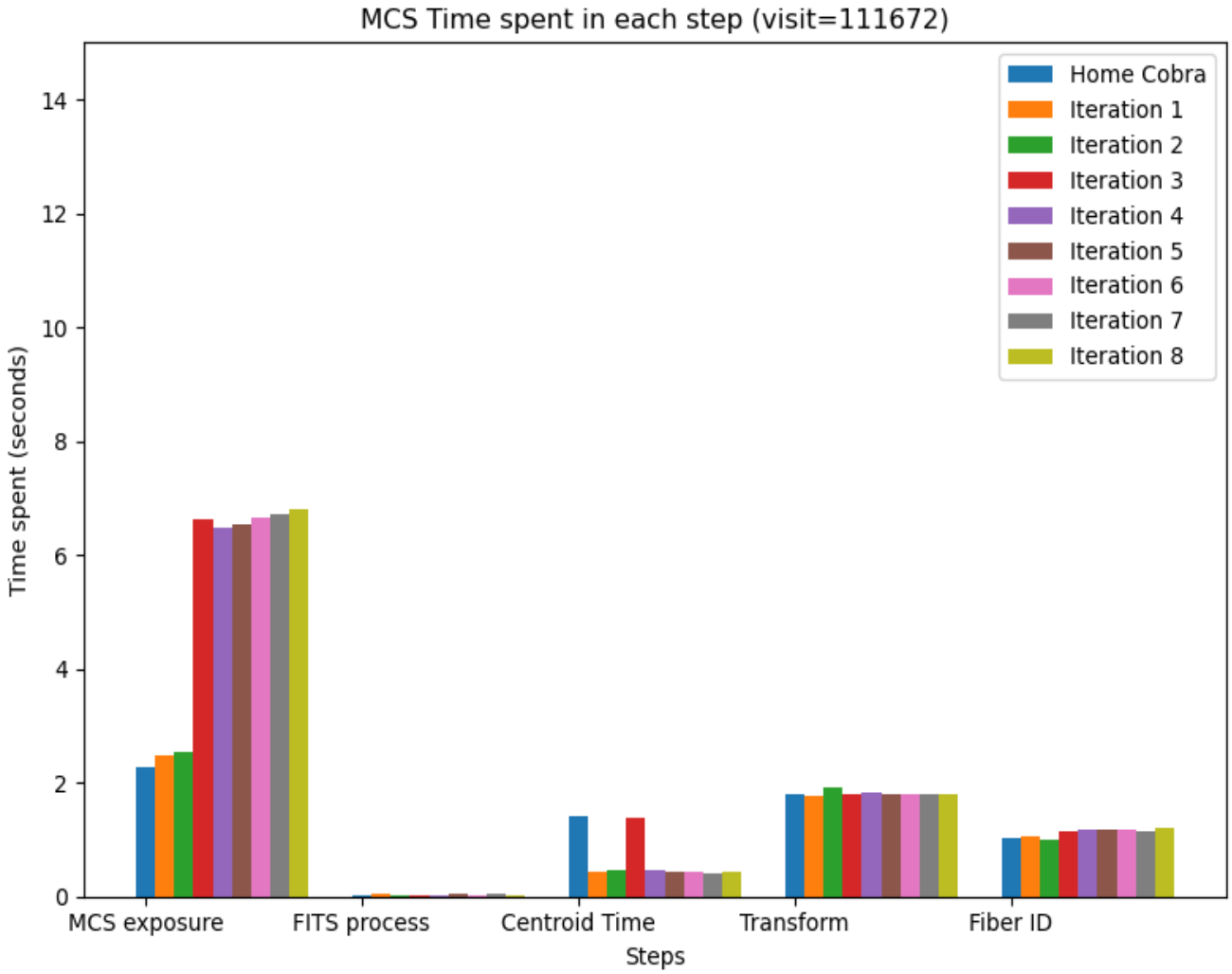

MCS Time spent in each step (visit=111646)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

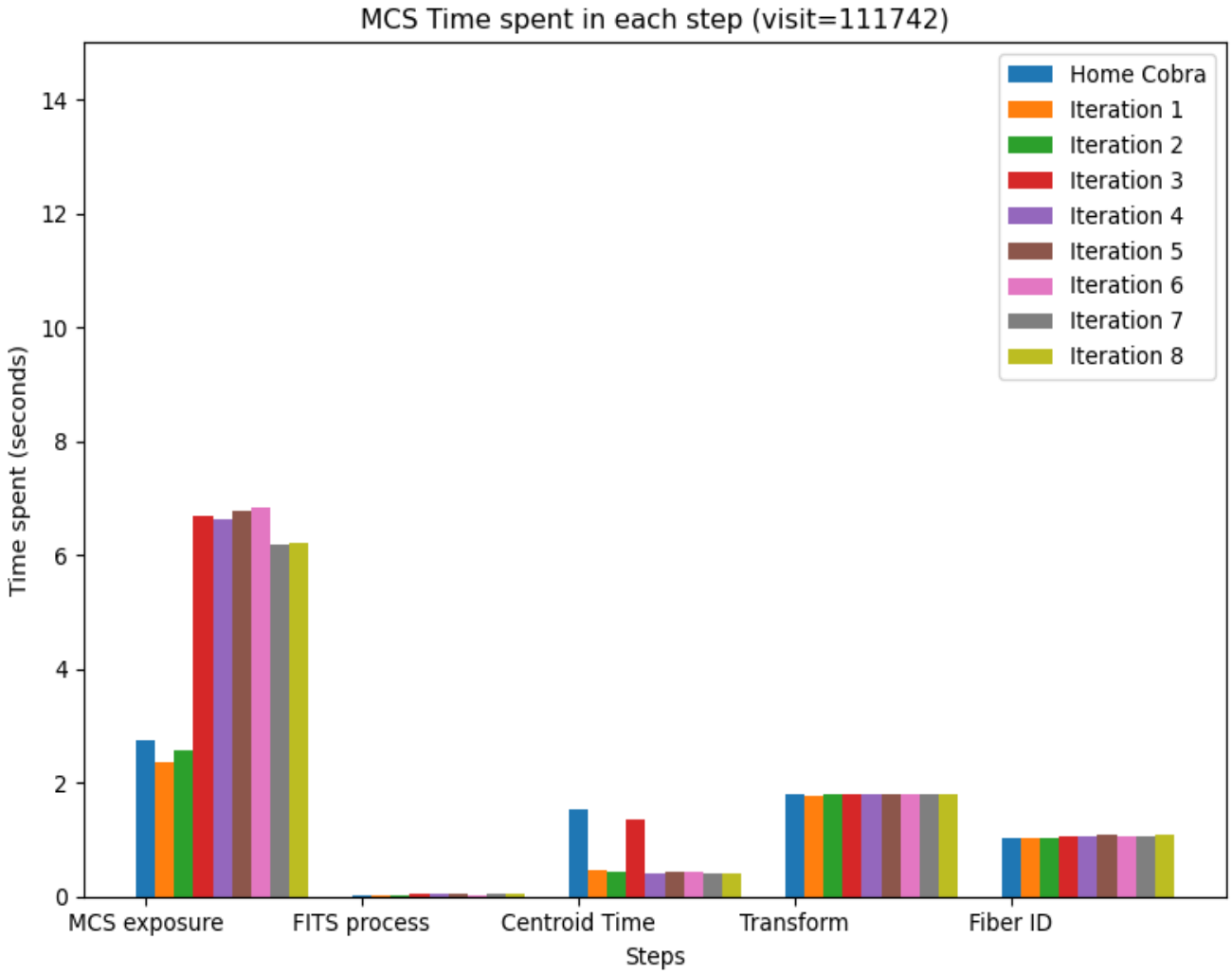

MCS Time spent in each step (visit=111651)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

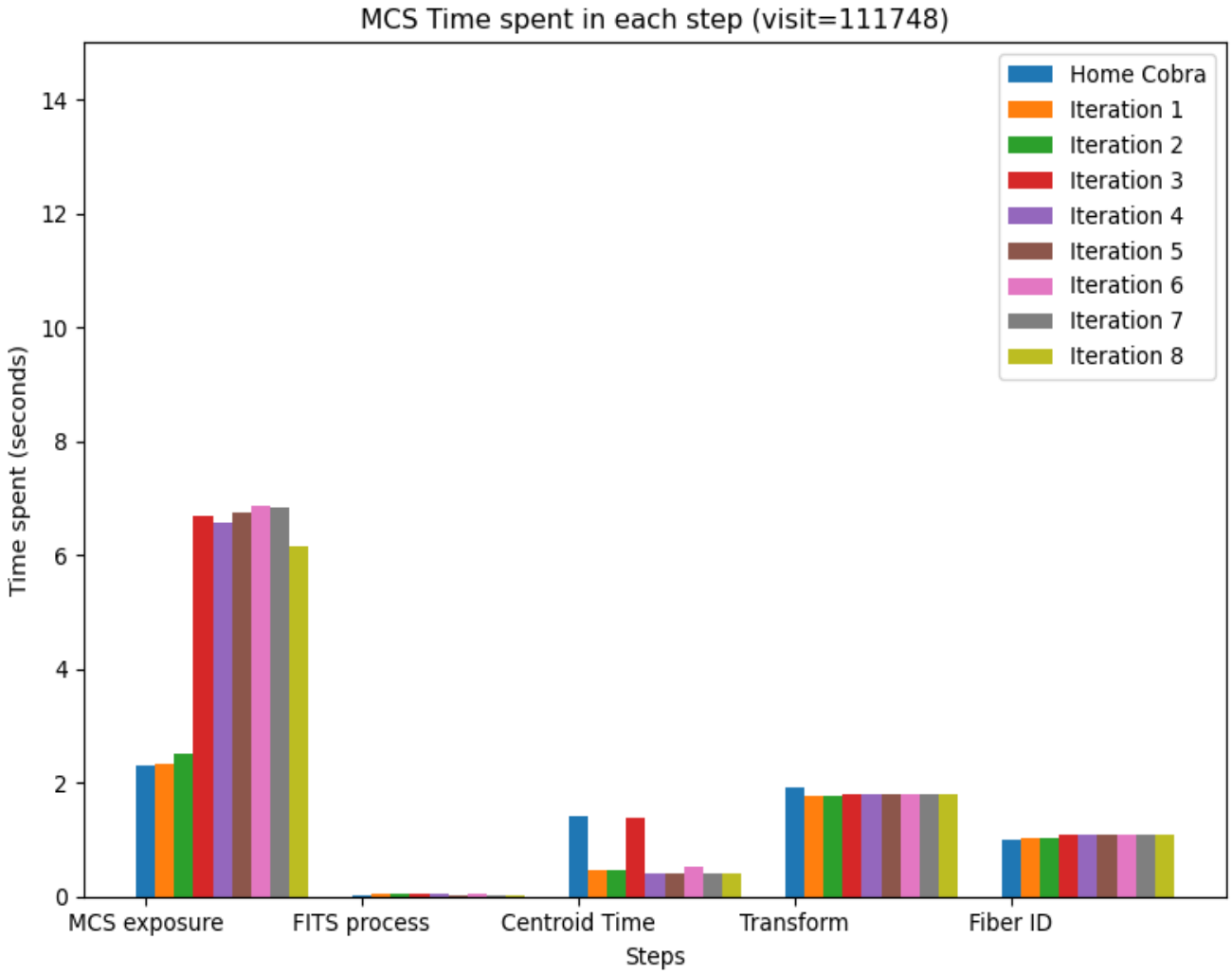

MCS Time spent in each step (visit=111652)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

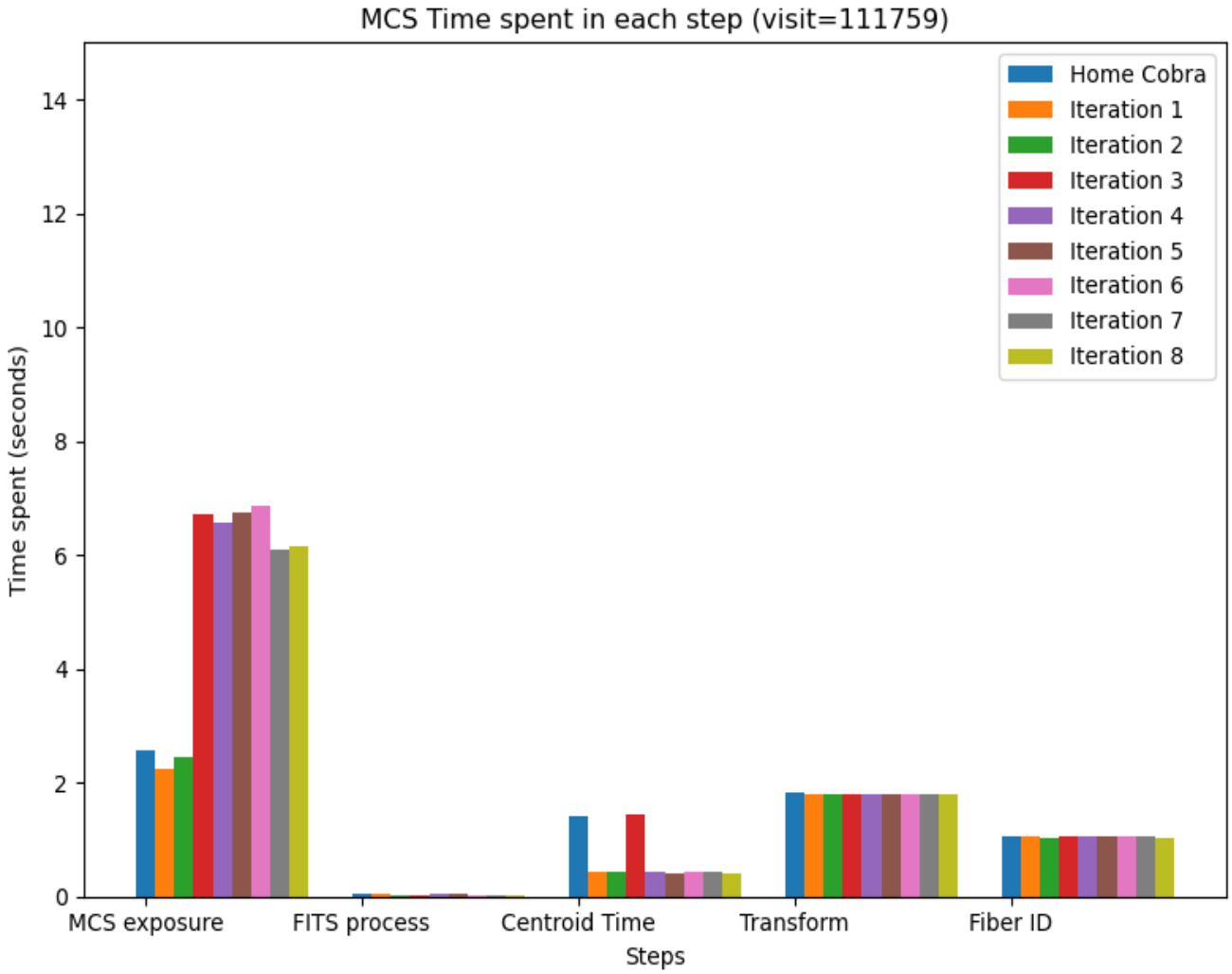

MCS Time spent in each step (visit=111662)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

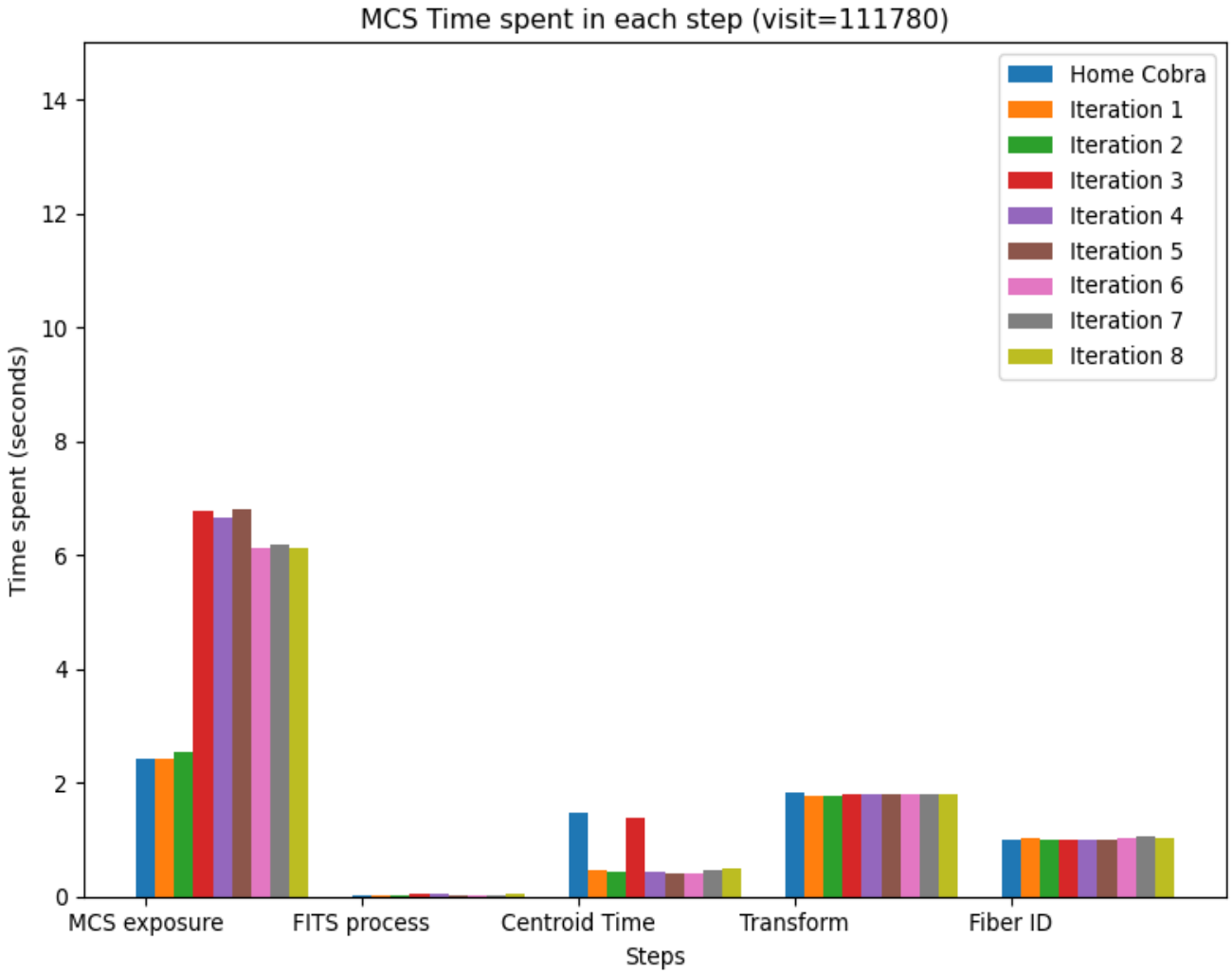

MCS Time spent in each step (visit=111667)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

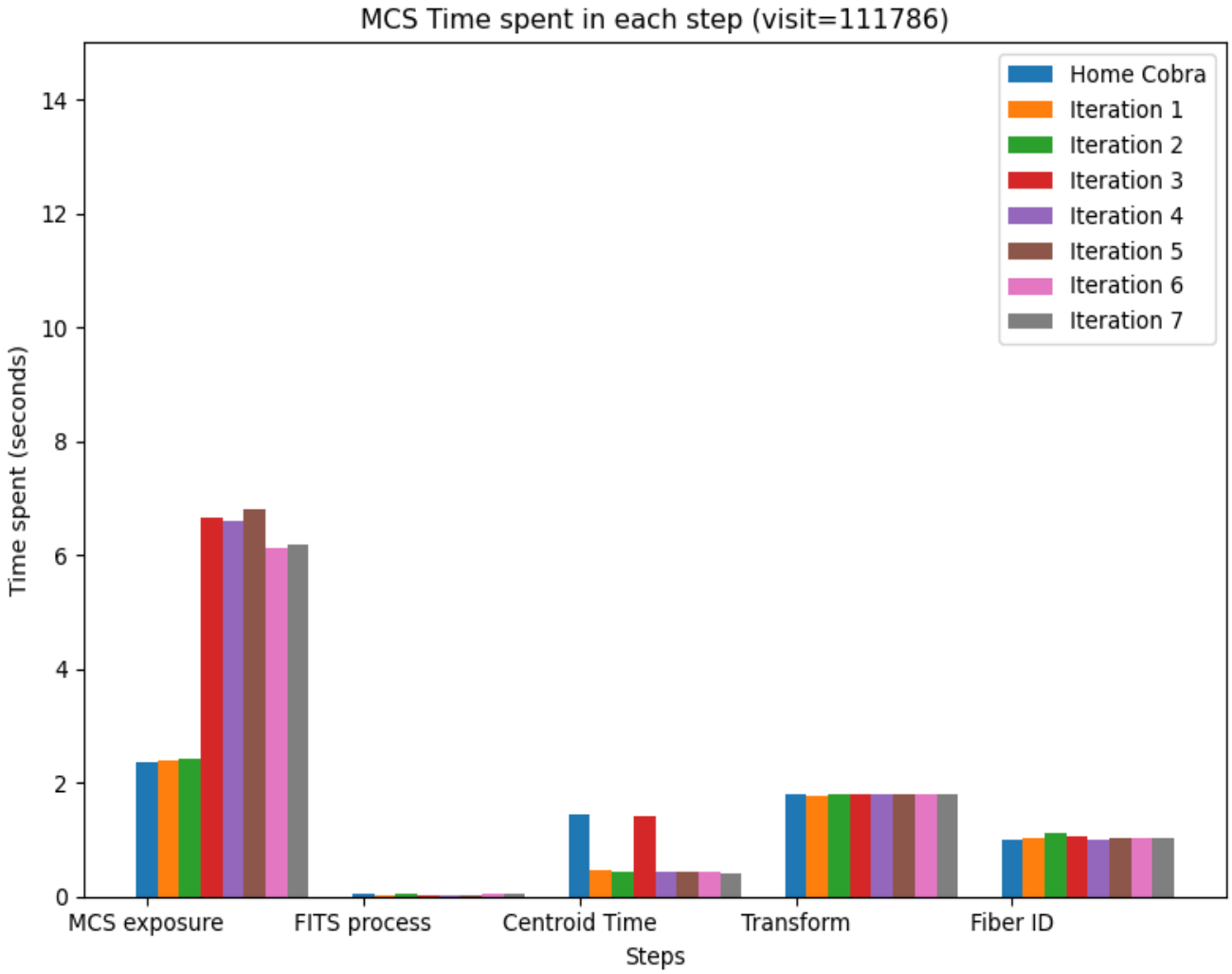

MCS Time spent in each step (visit=111672)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

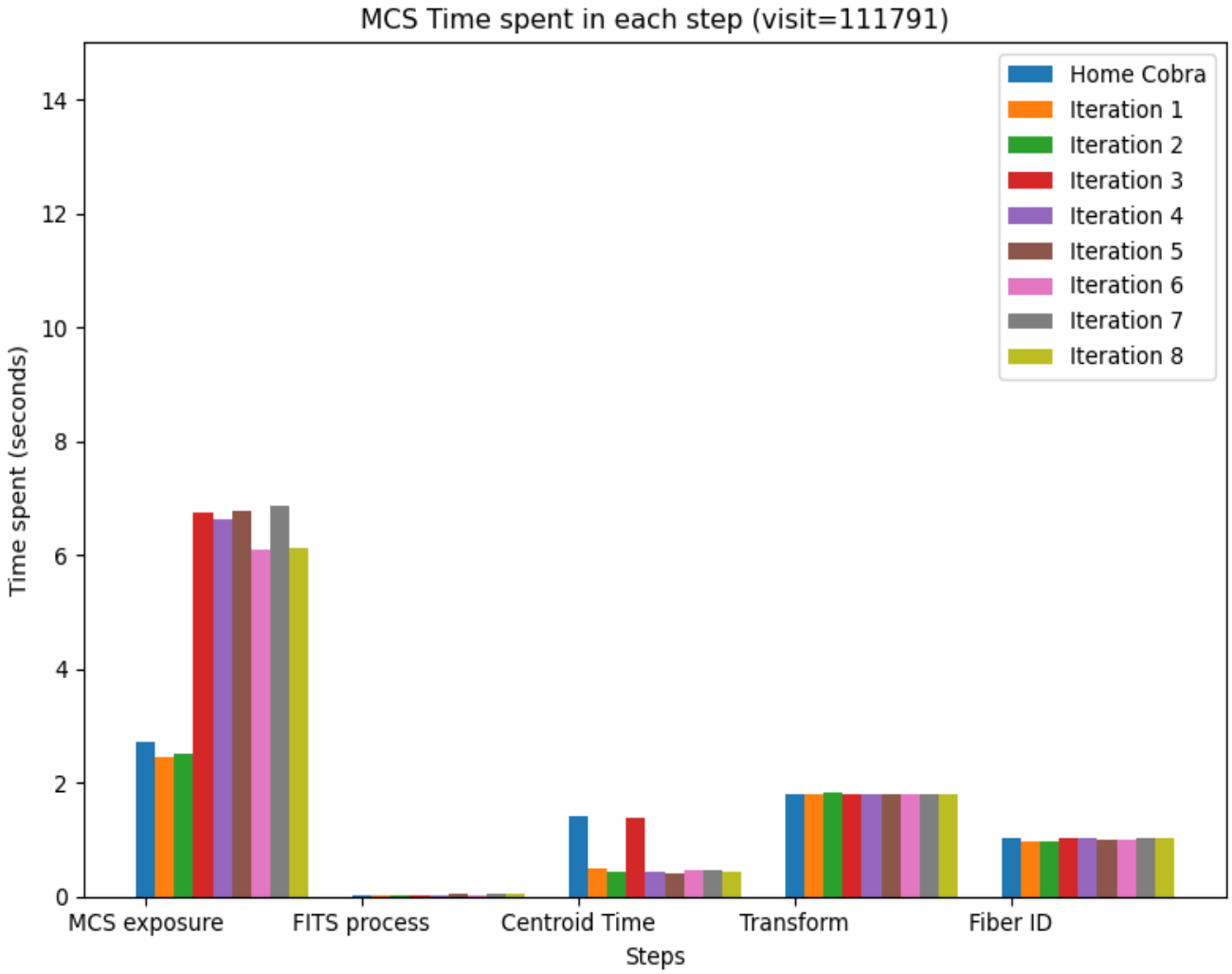

MCS Time spent in each step (visit=111742)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

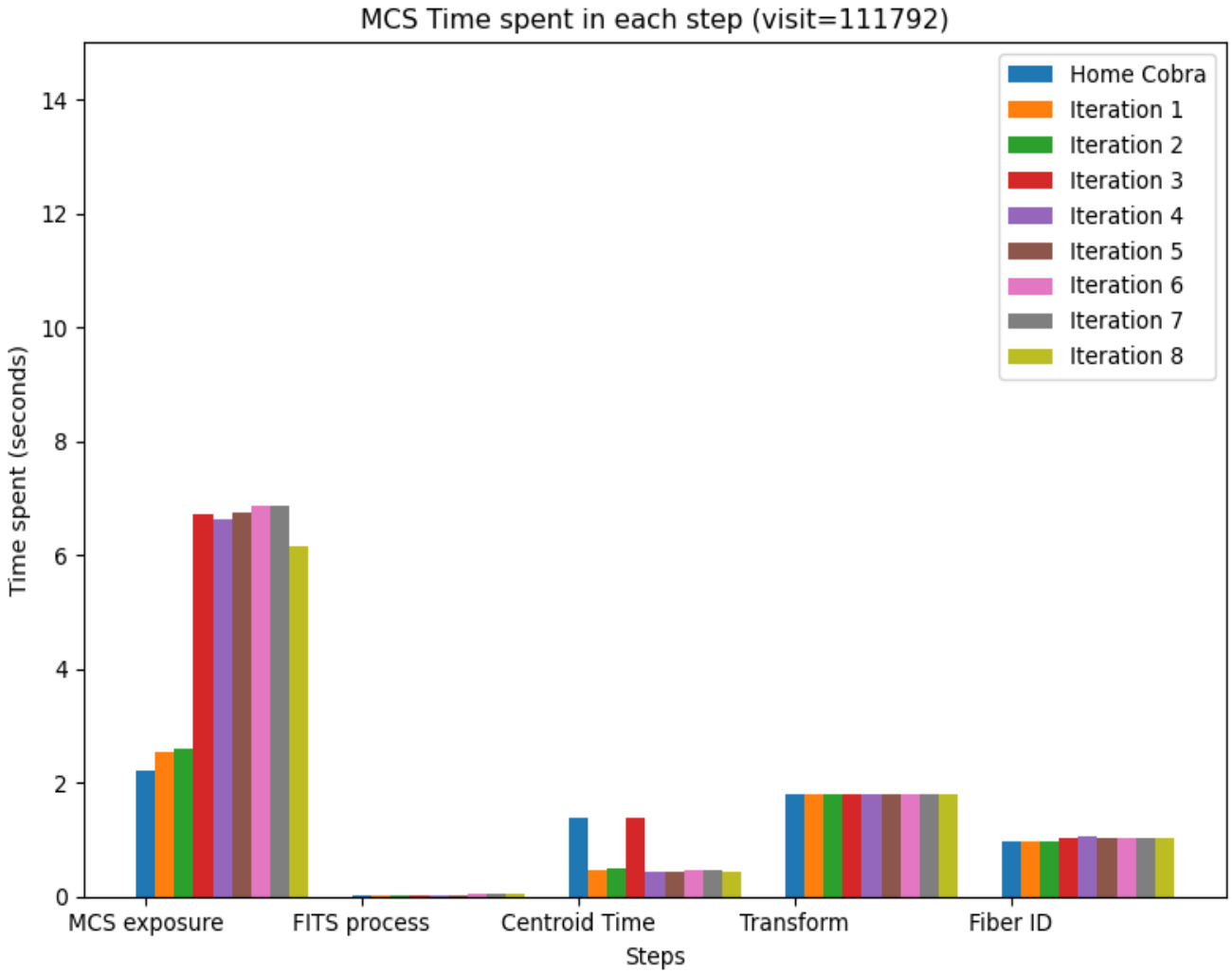

MCS Time spent in each step (visit=111748)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

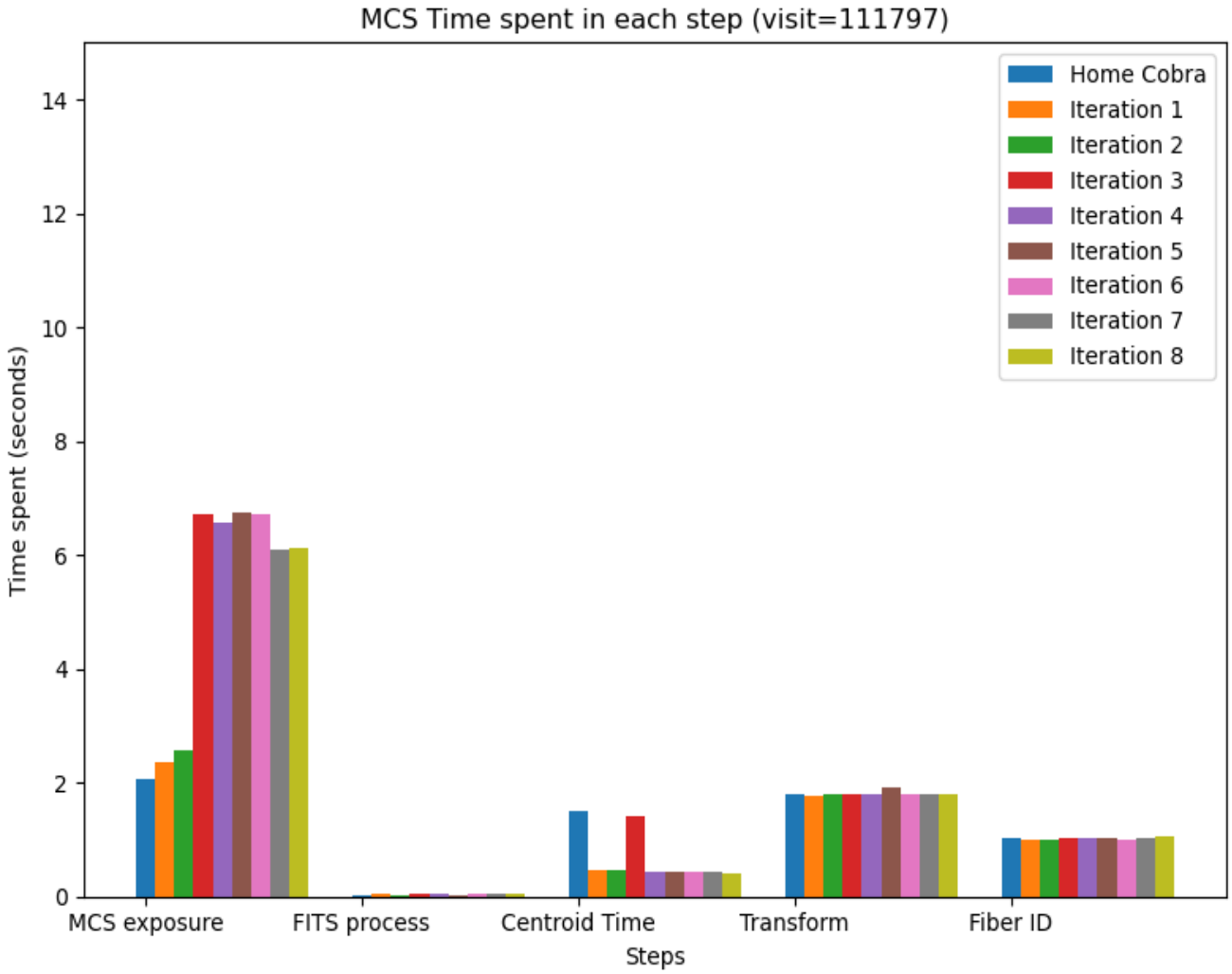

MCS Time spent in each step (visit=111759)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

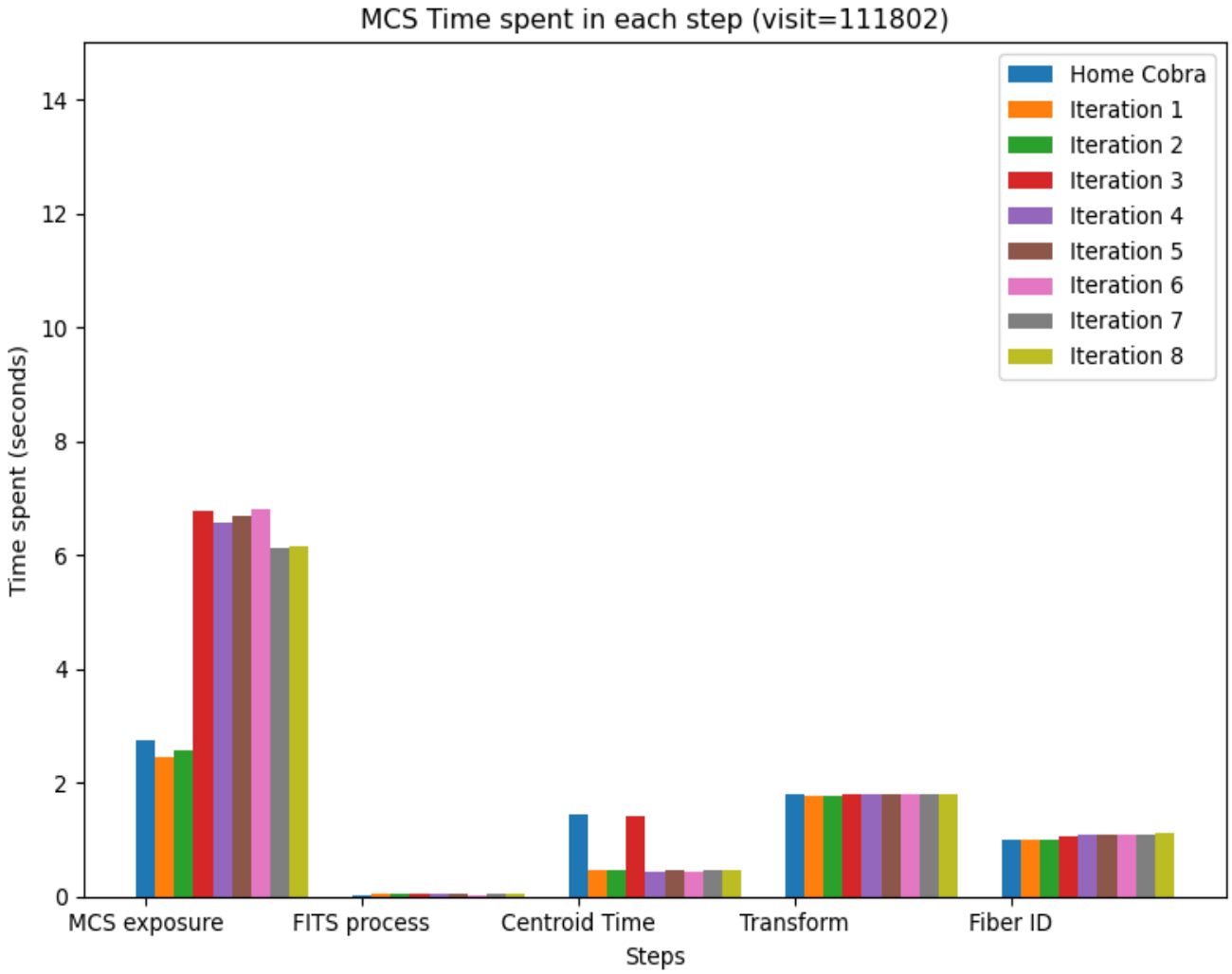

MCS Time spent in each step (visit=111780)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

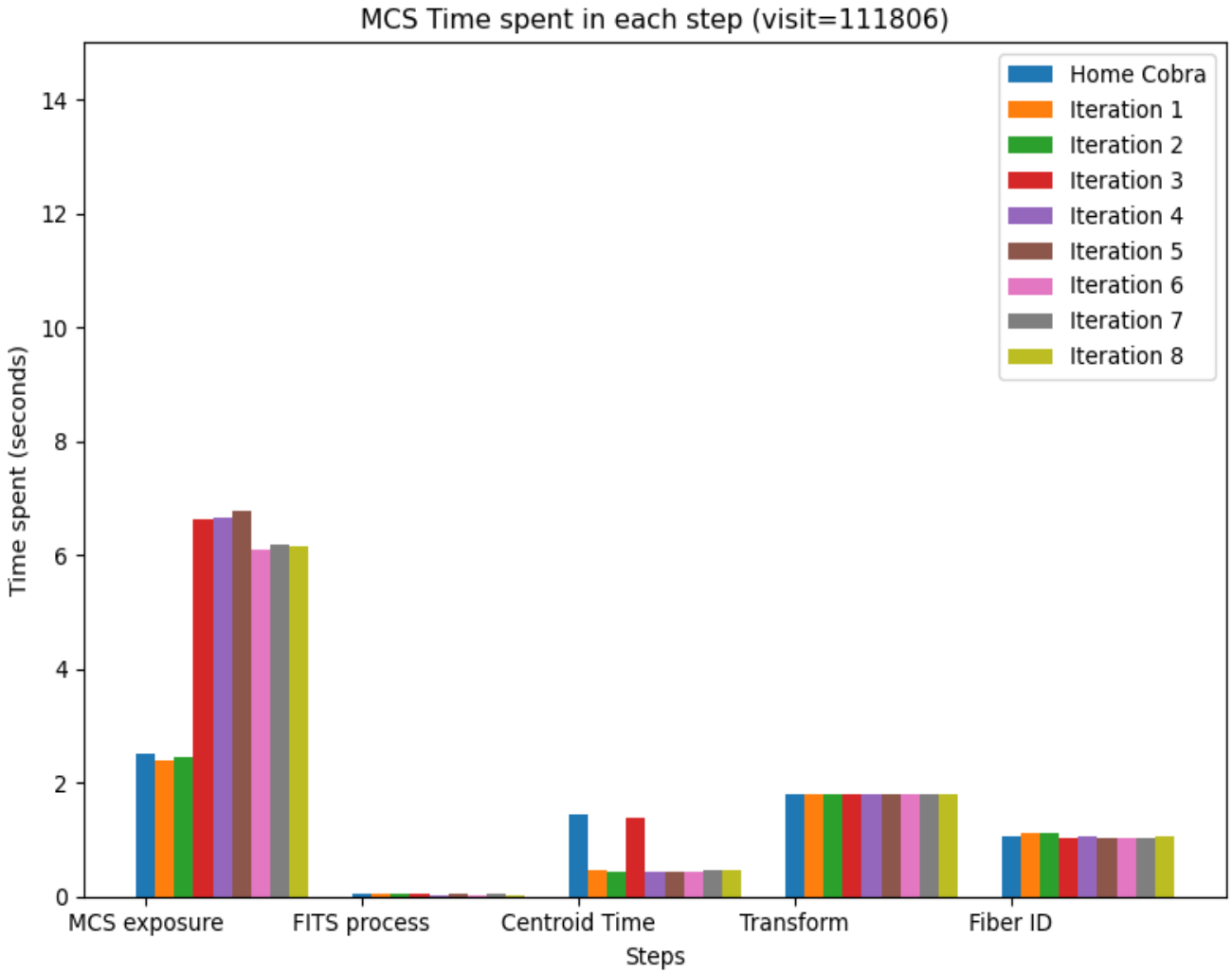

MCS Time spent in each step (visit=111786)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

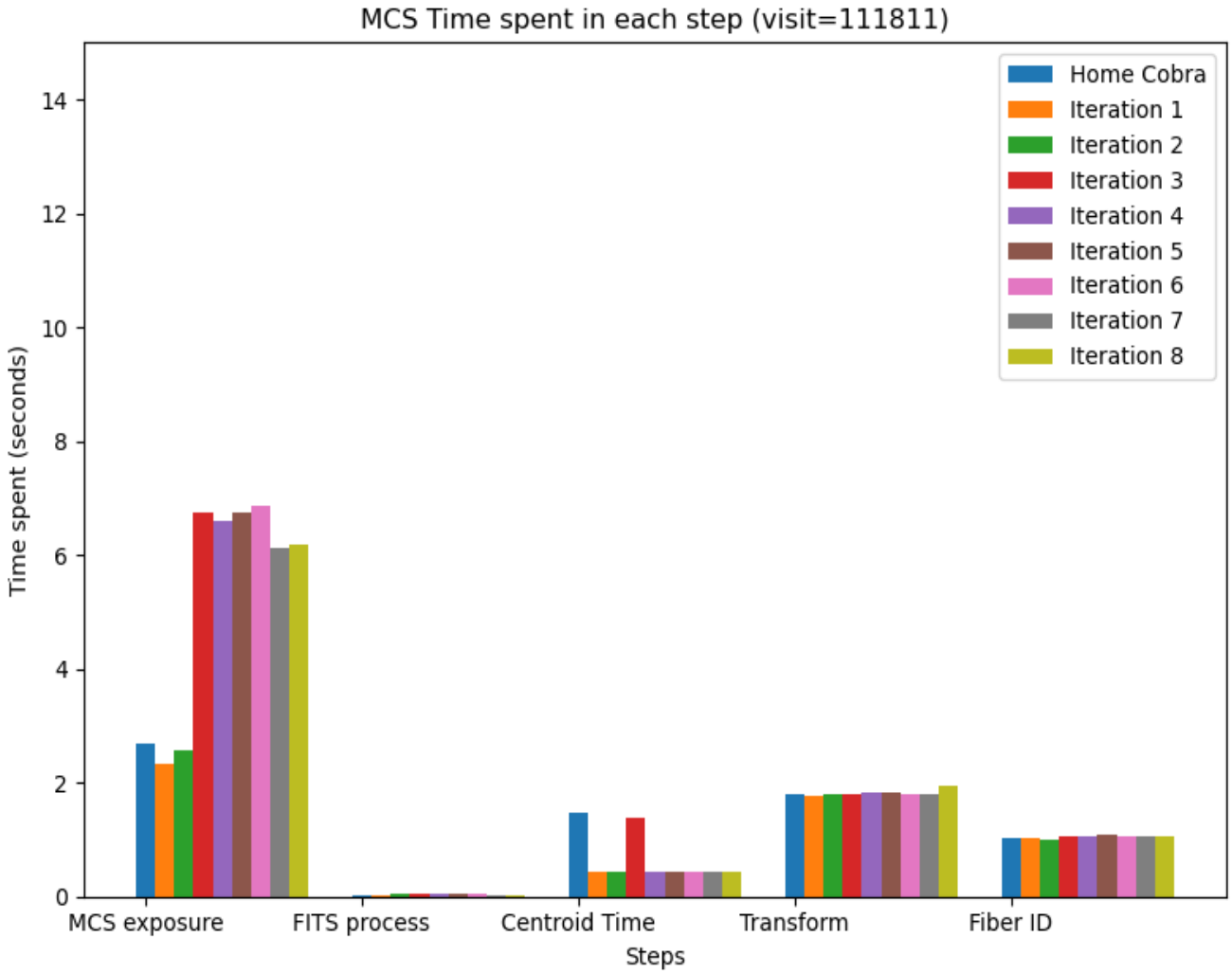

MCS Time spent in each step (visit=111791)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

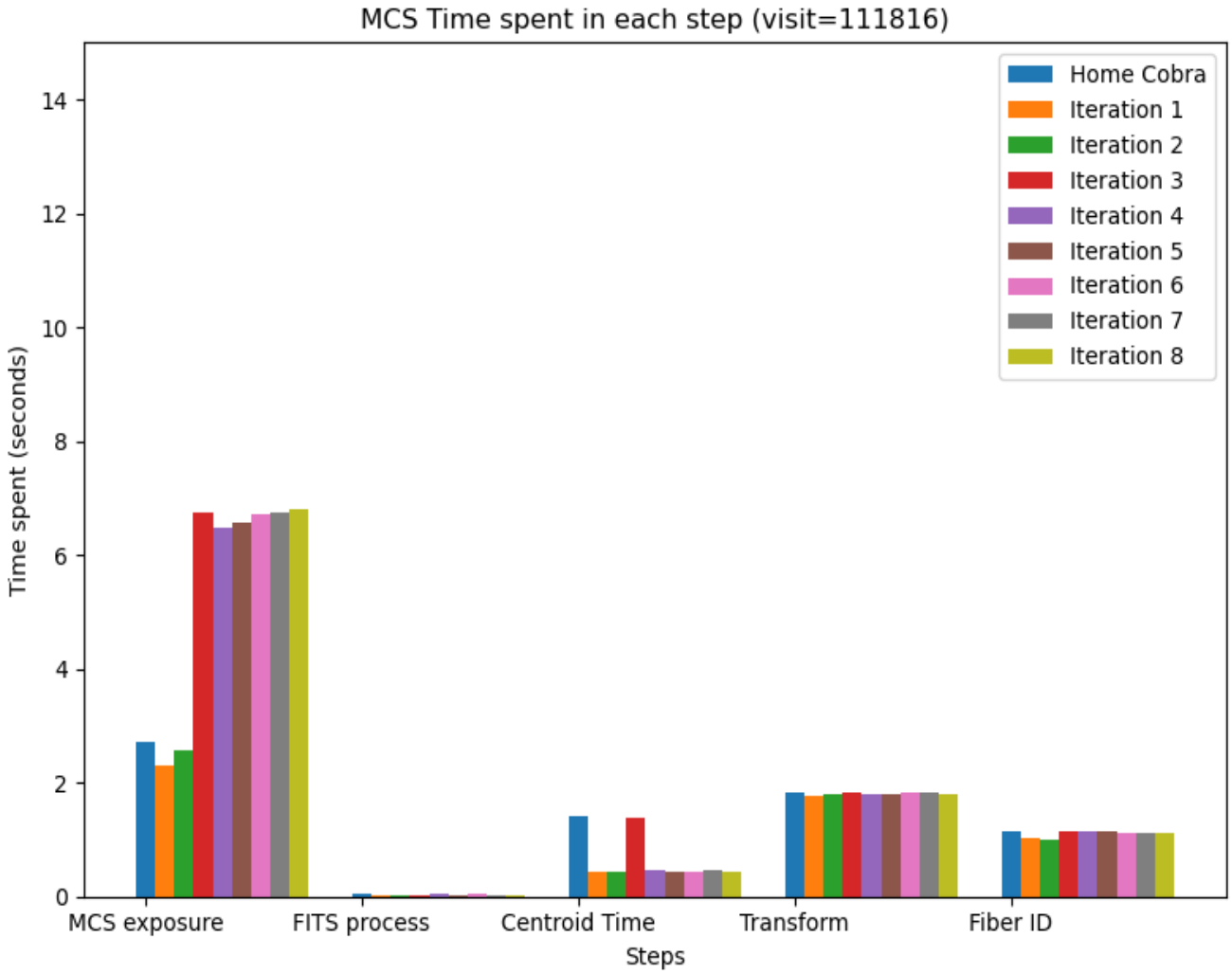

MCS Time spent in each step (visit=111792)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

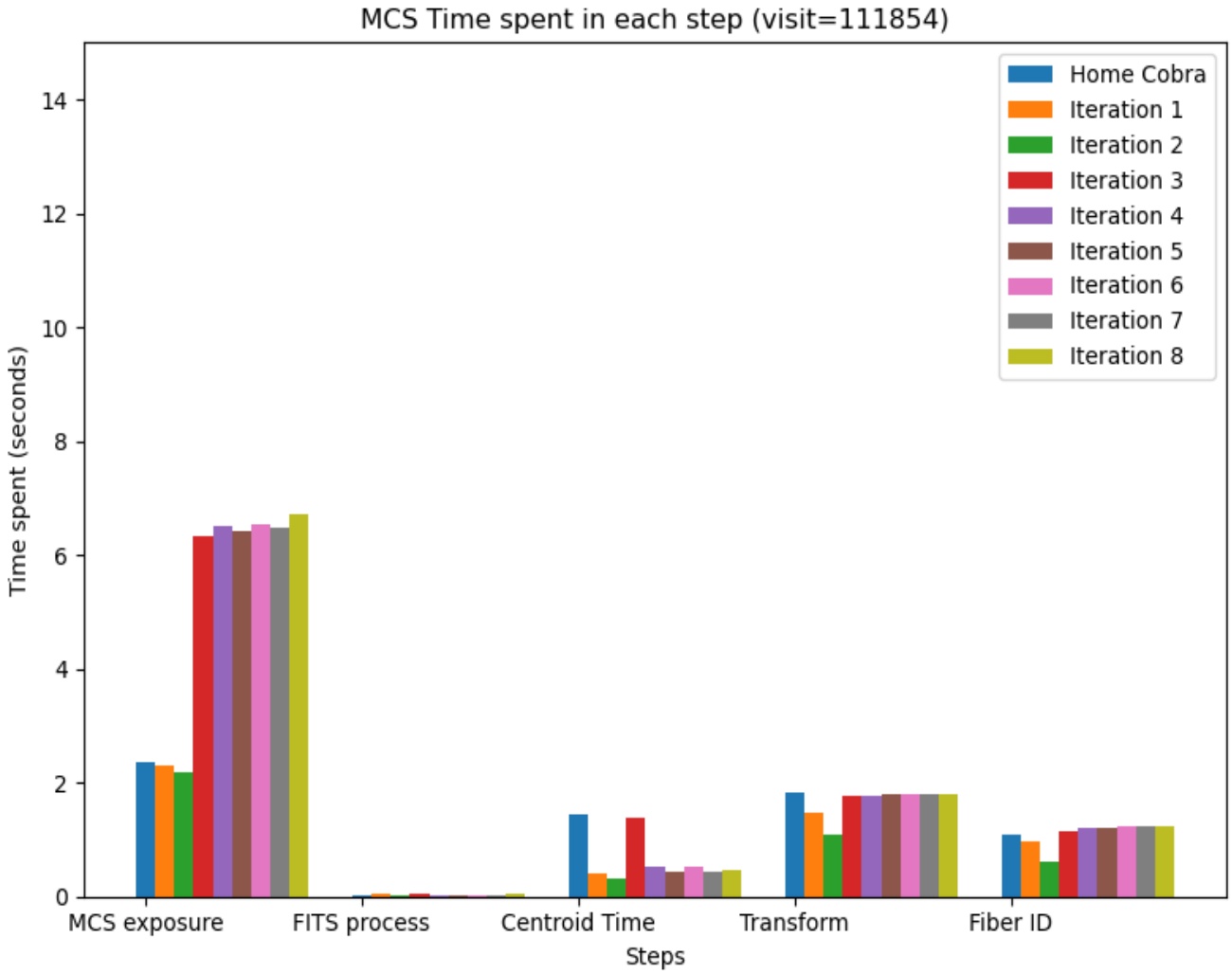

MCS Time spent in each step (visit=111797)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

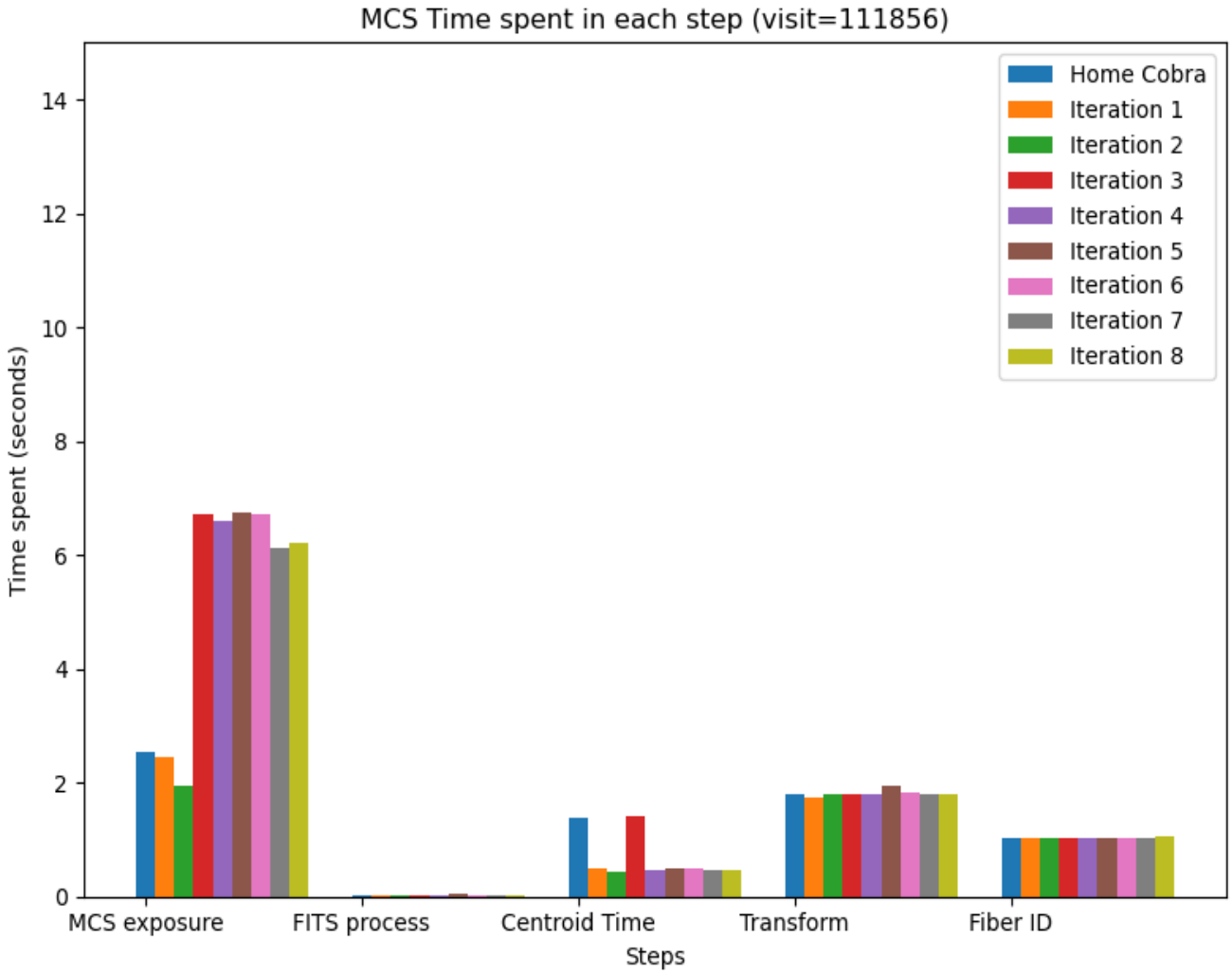

MCS Time spent in each step (visit=111802)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

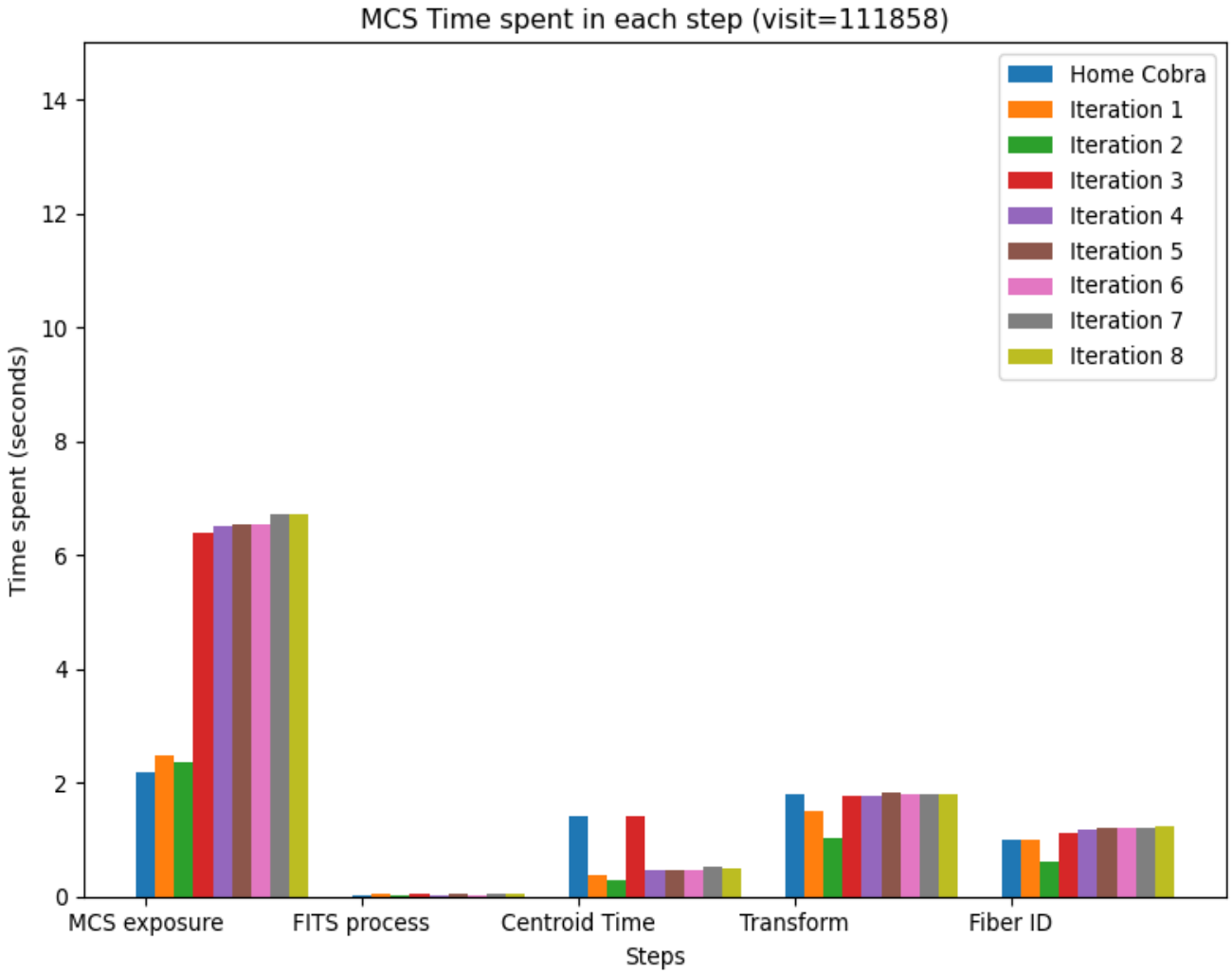

MCS Time spent in each step (visit=111806)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

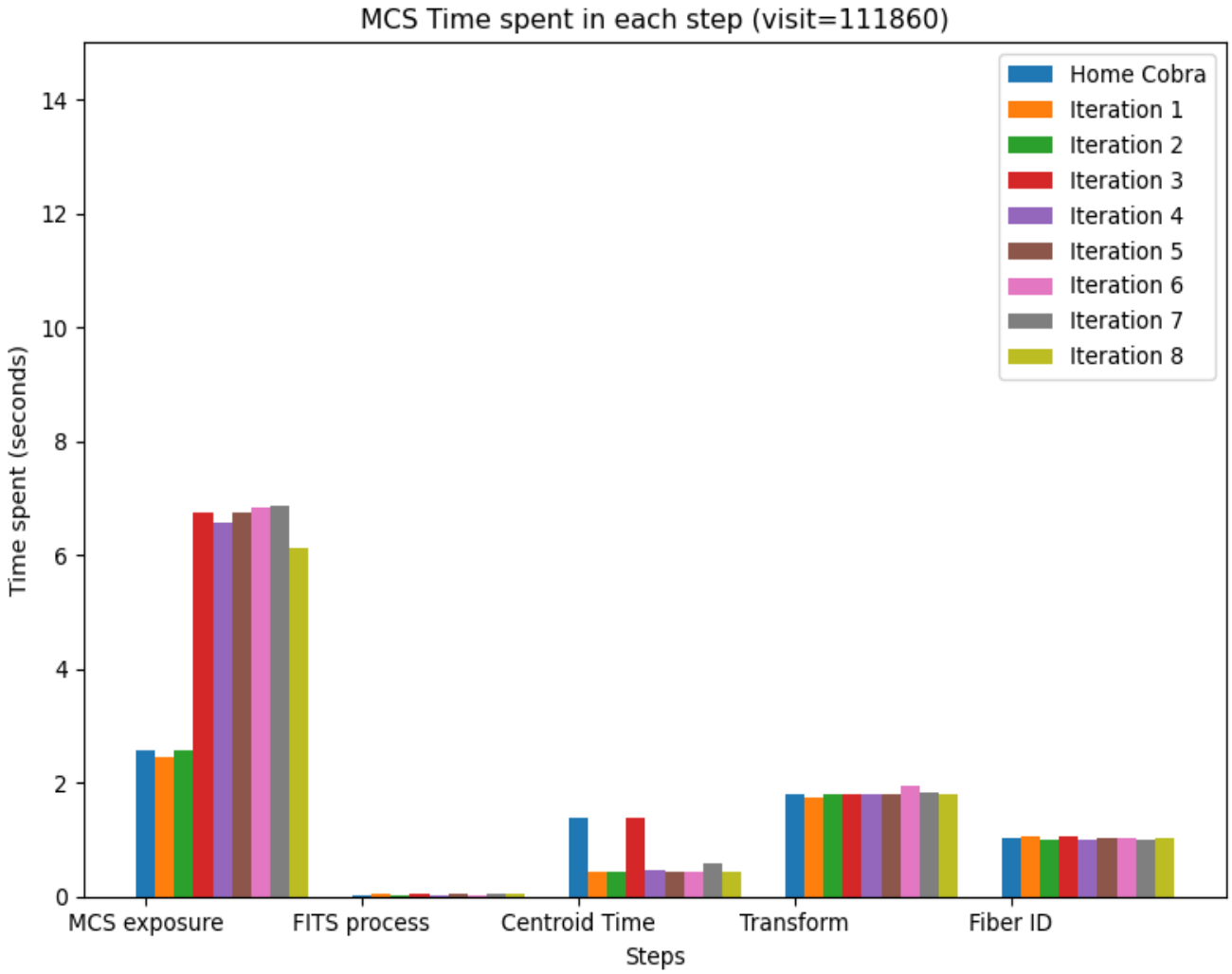

MCS Time spent in each step (visit=111811)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

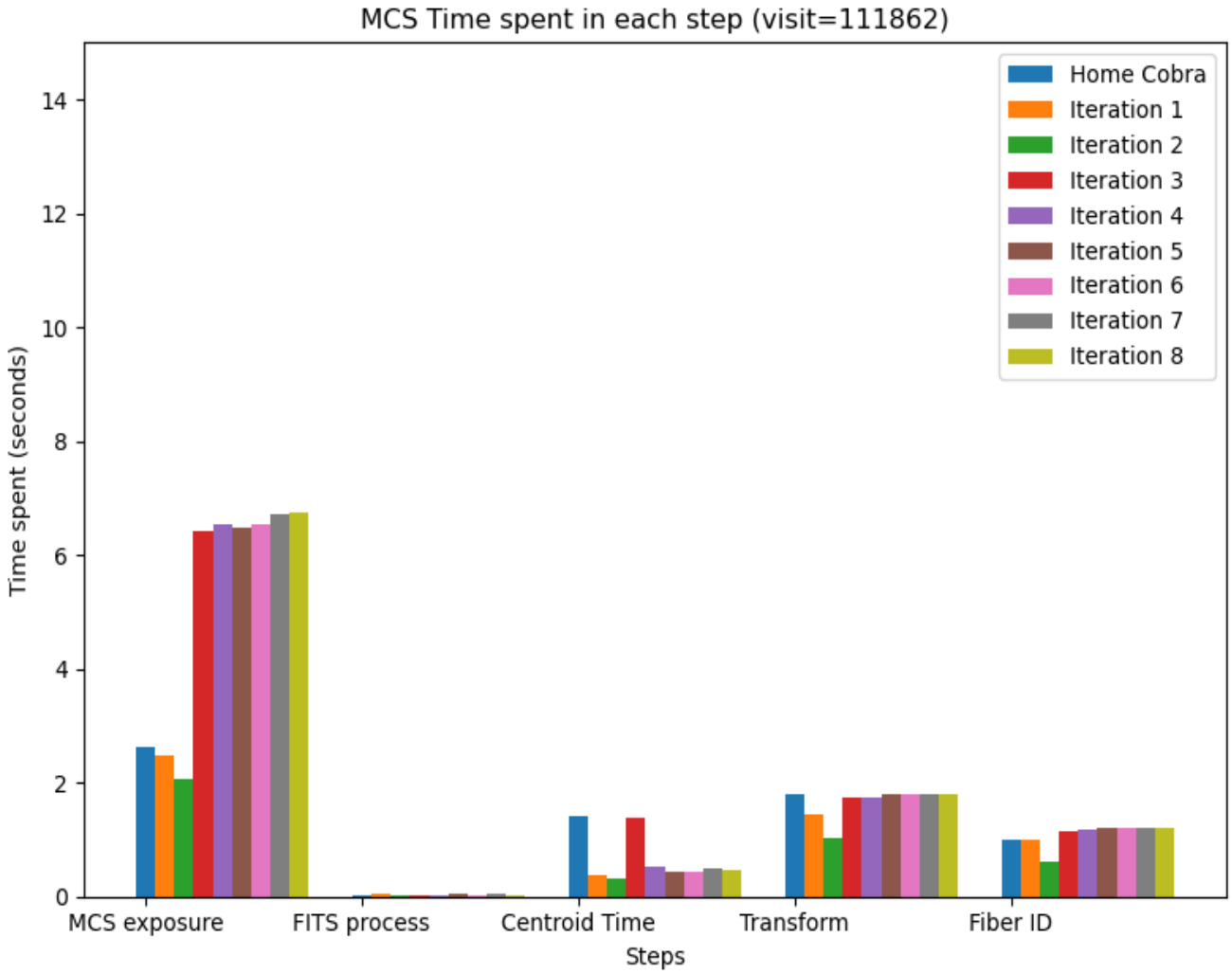

MCS Time spent in each step (visit=111816)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

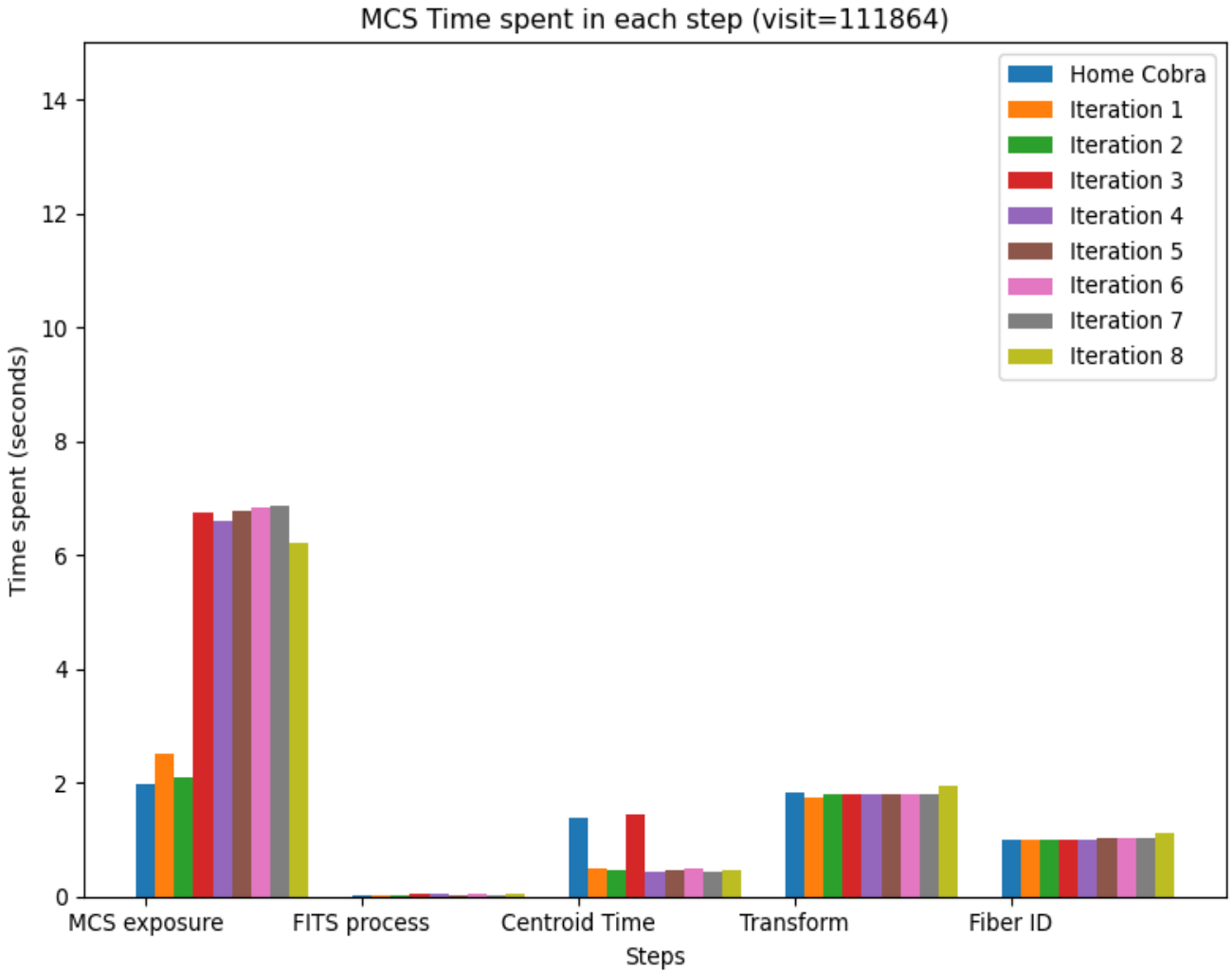

MCS Time spent in each step (visit=111854)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

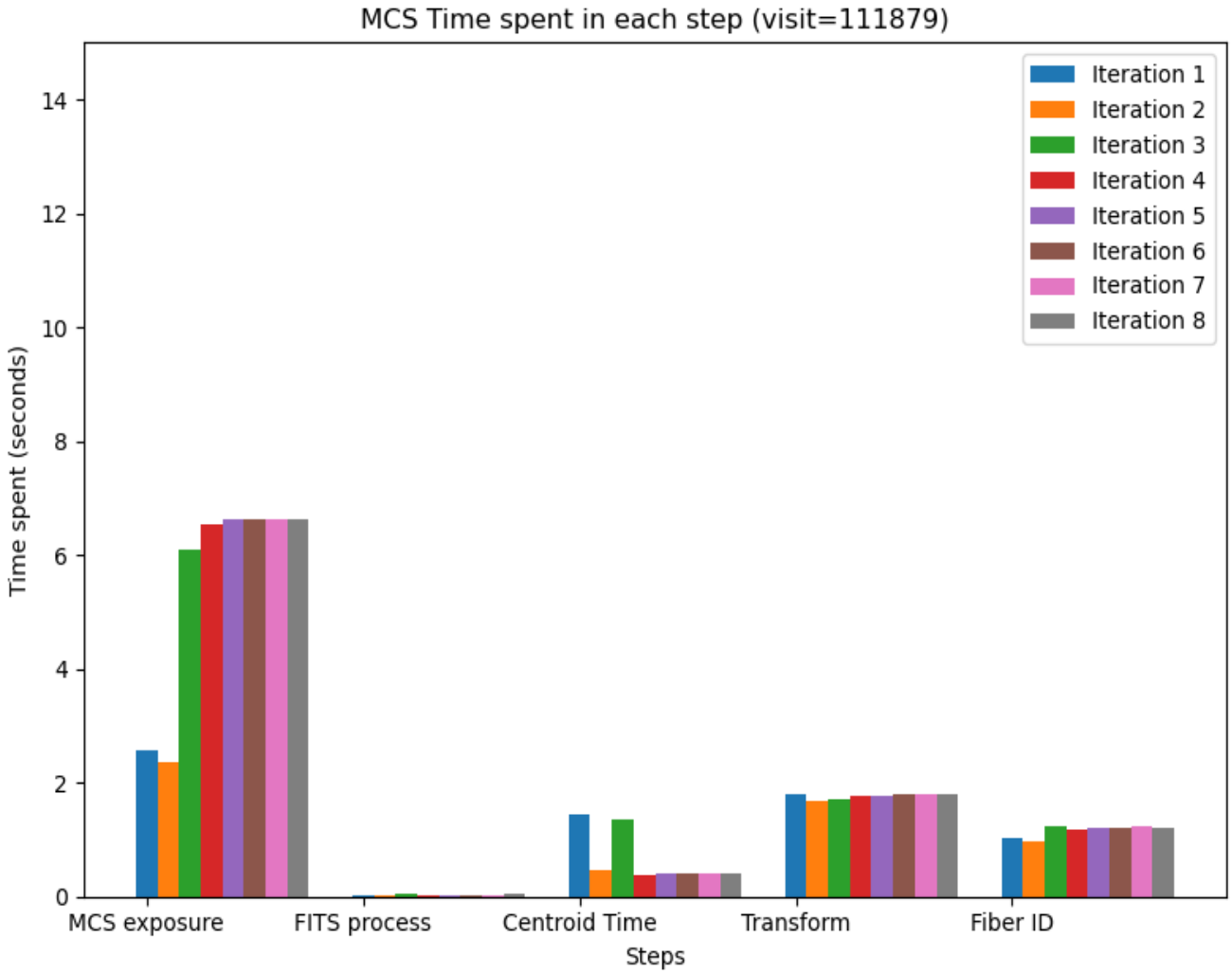

MCS Time spent in each step (visit=111856)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

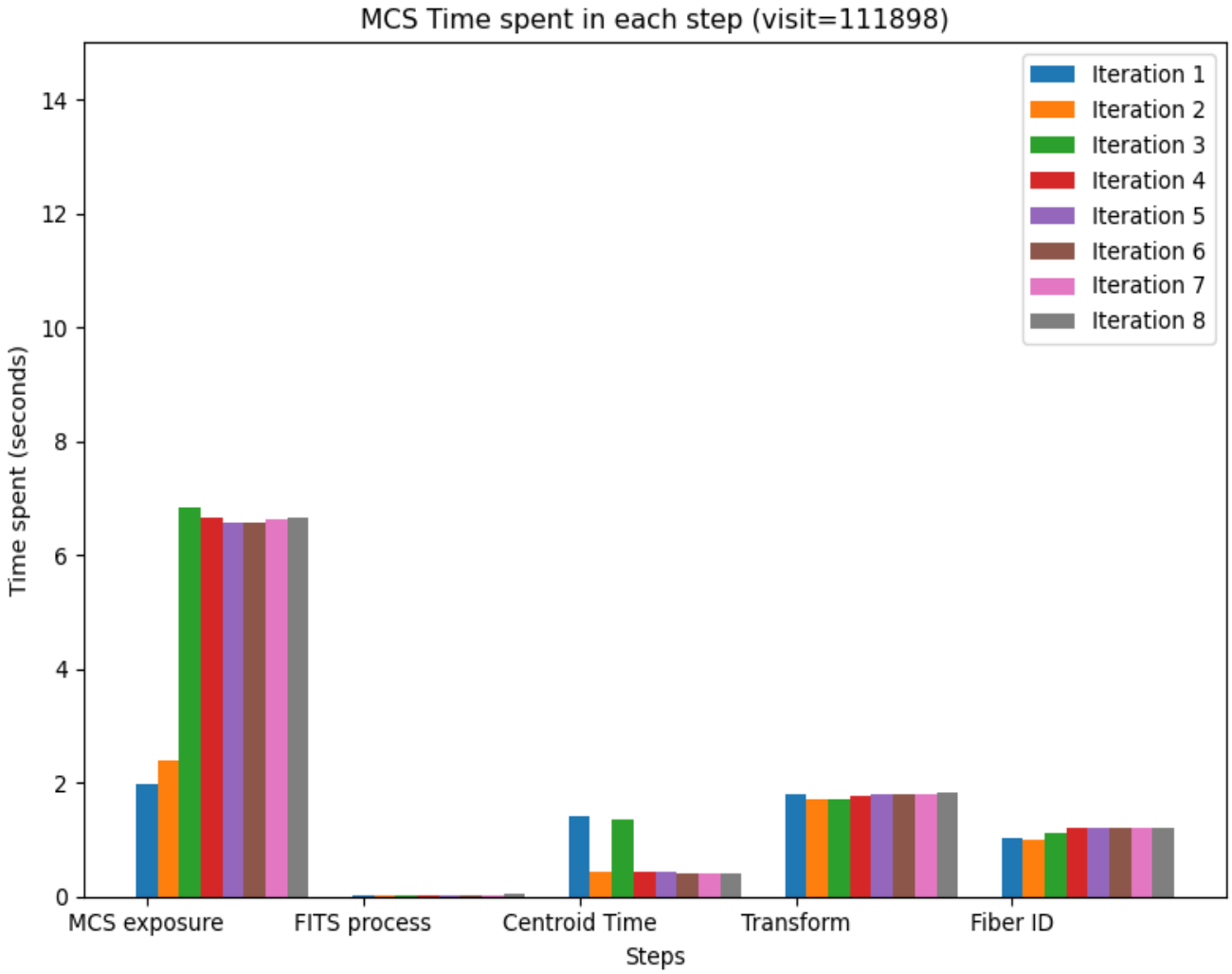

MCS Time spent in each step (visit=111858)
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8

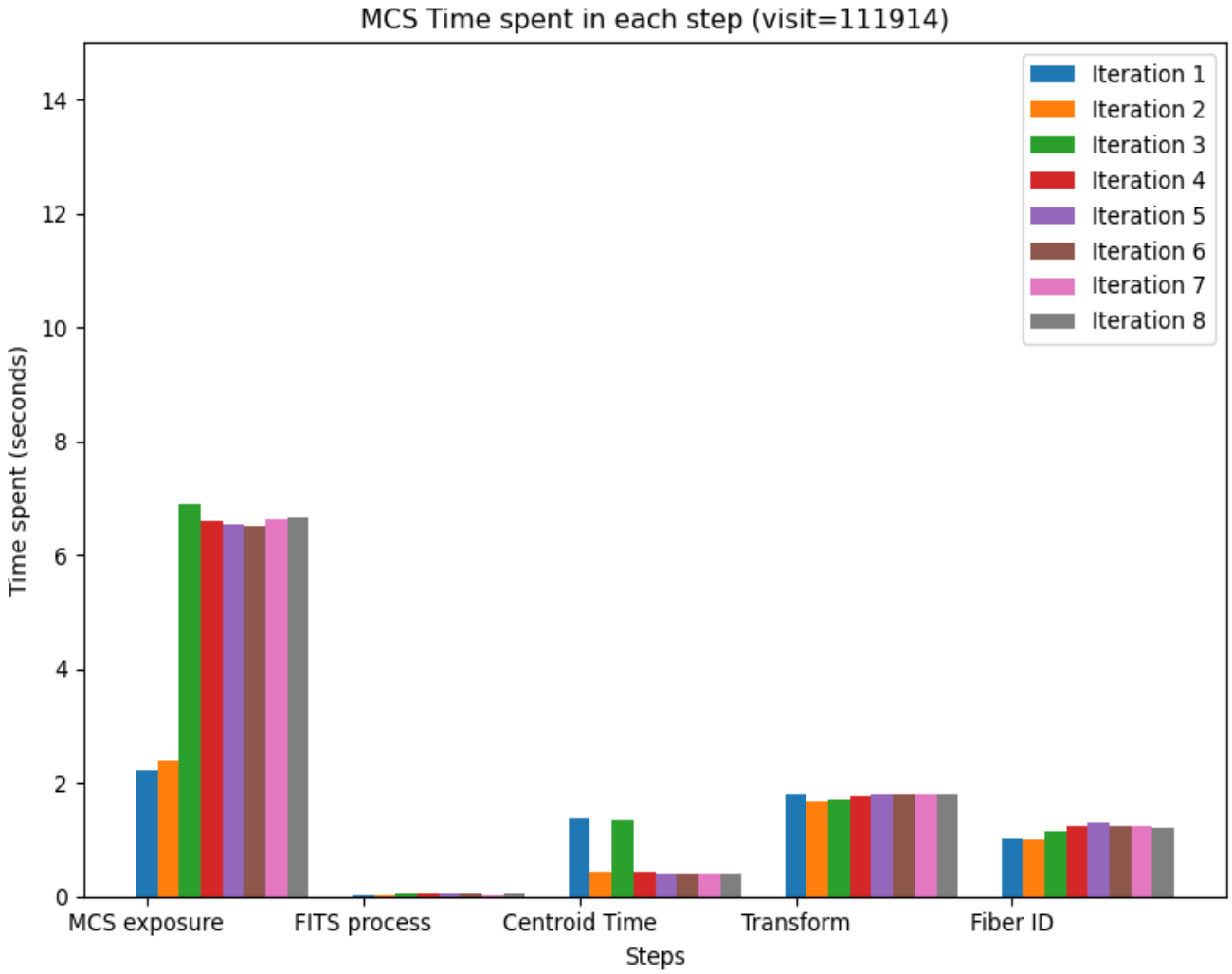

MCS Time spent in each step (visit=111860)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

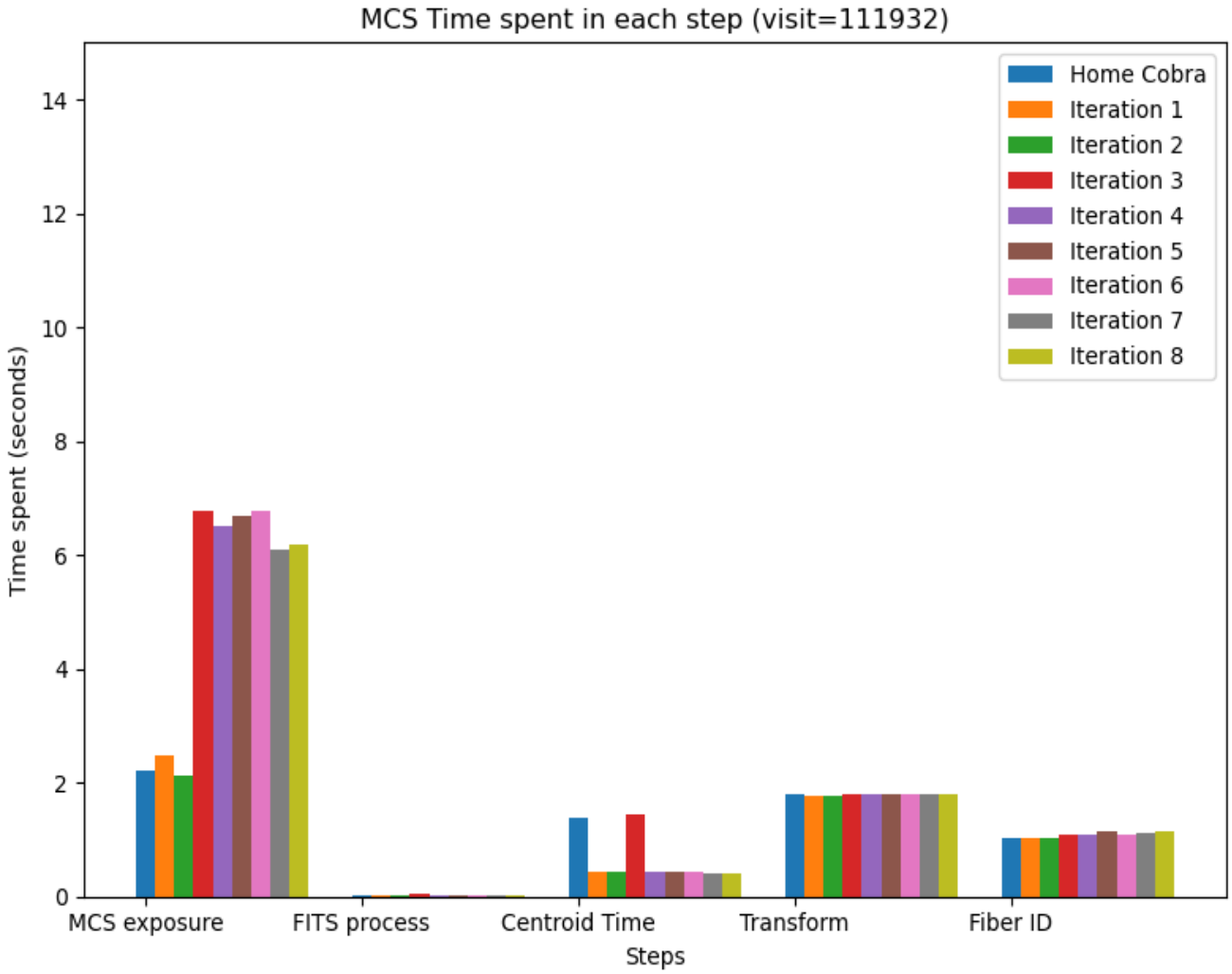

MCS Time spent in each step (visit=111862)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

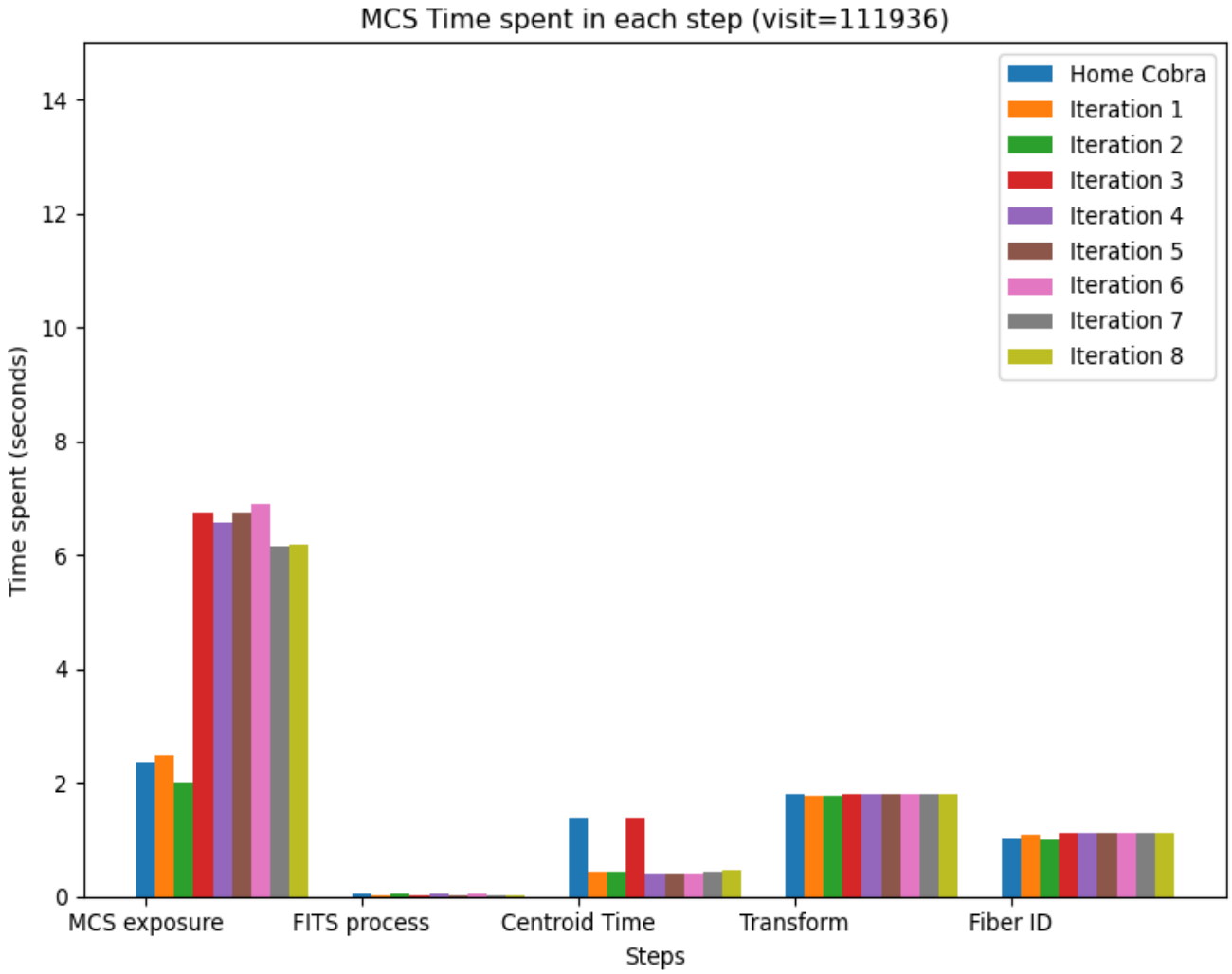

MCS Time spent in each step (visit=111864)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

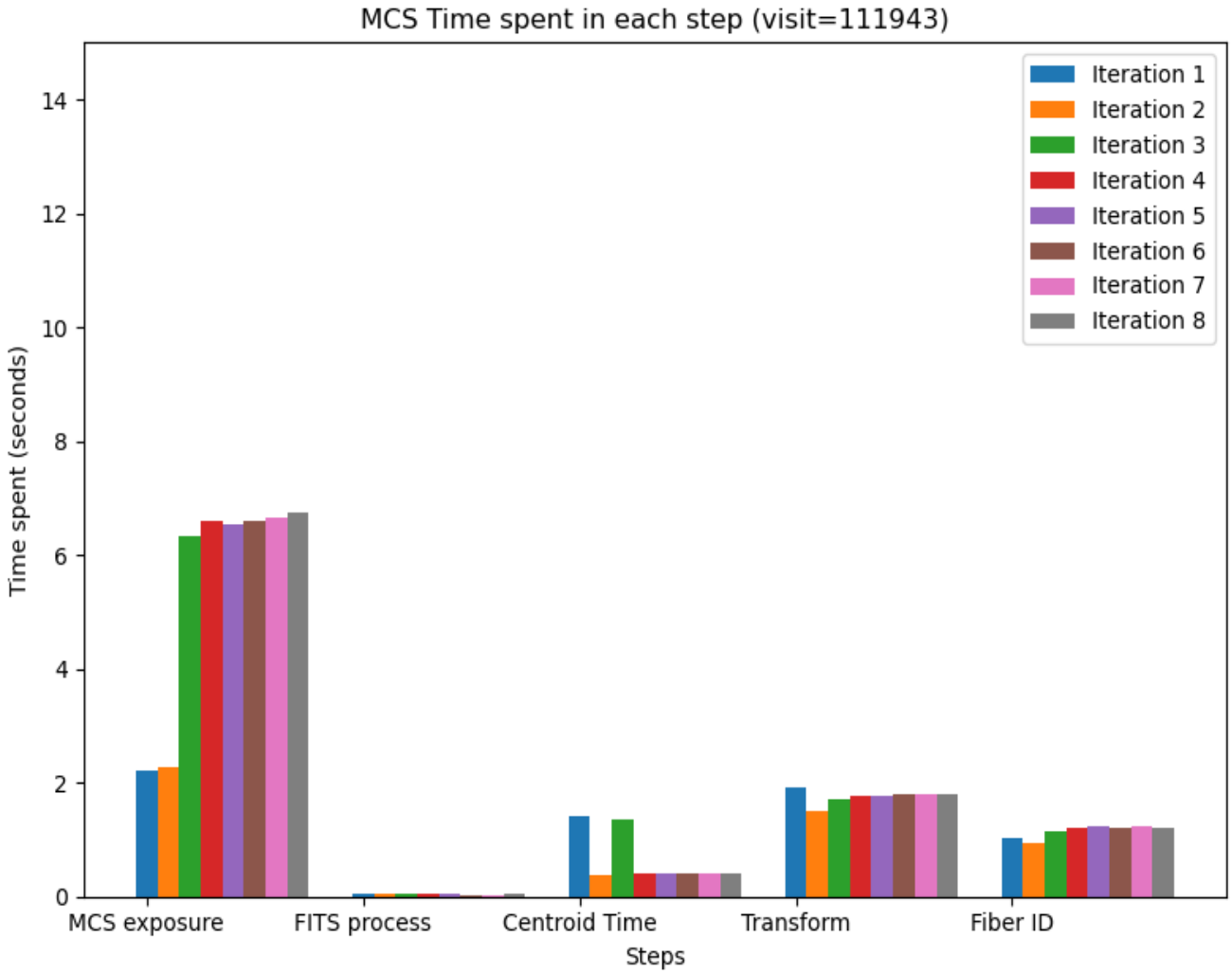

MCS Time spent in each step (visit=111879)
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

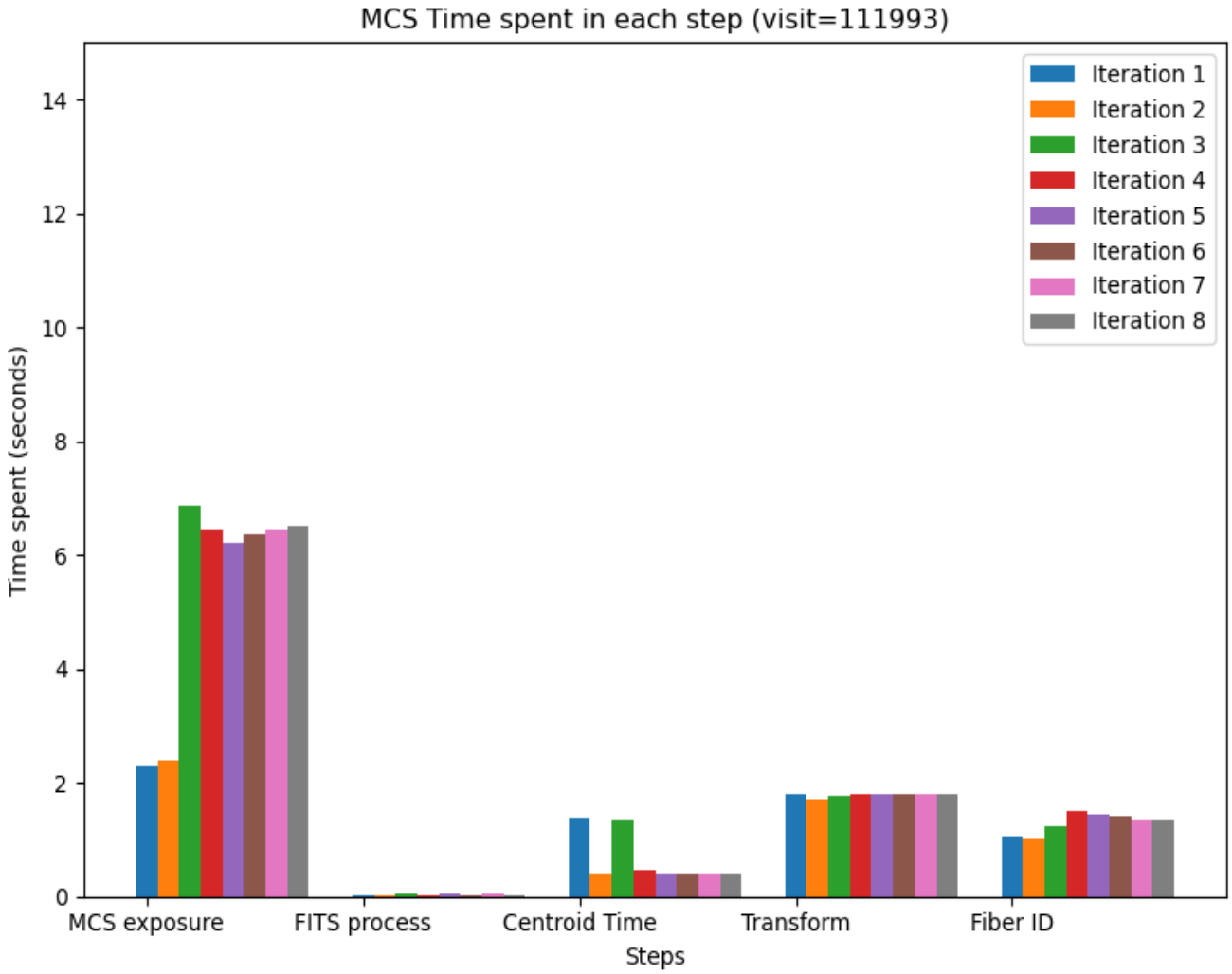

MCS Time spent in each step (visit=111898)
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

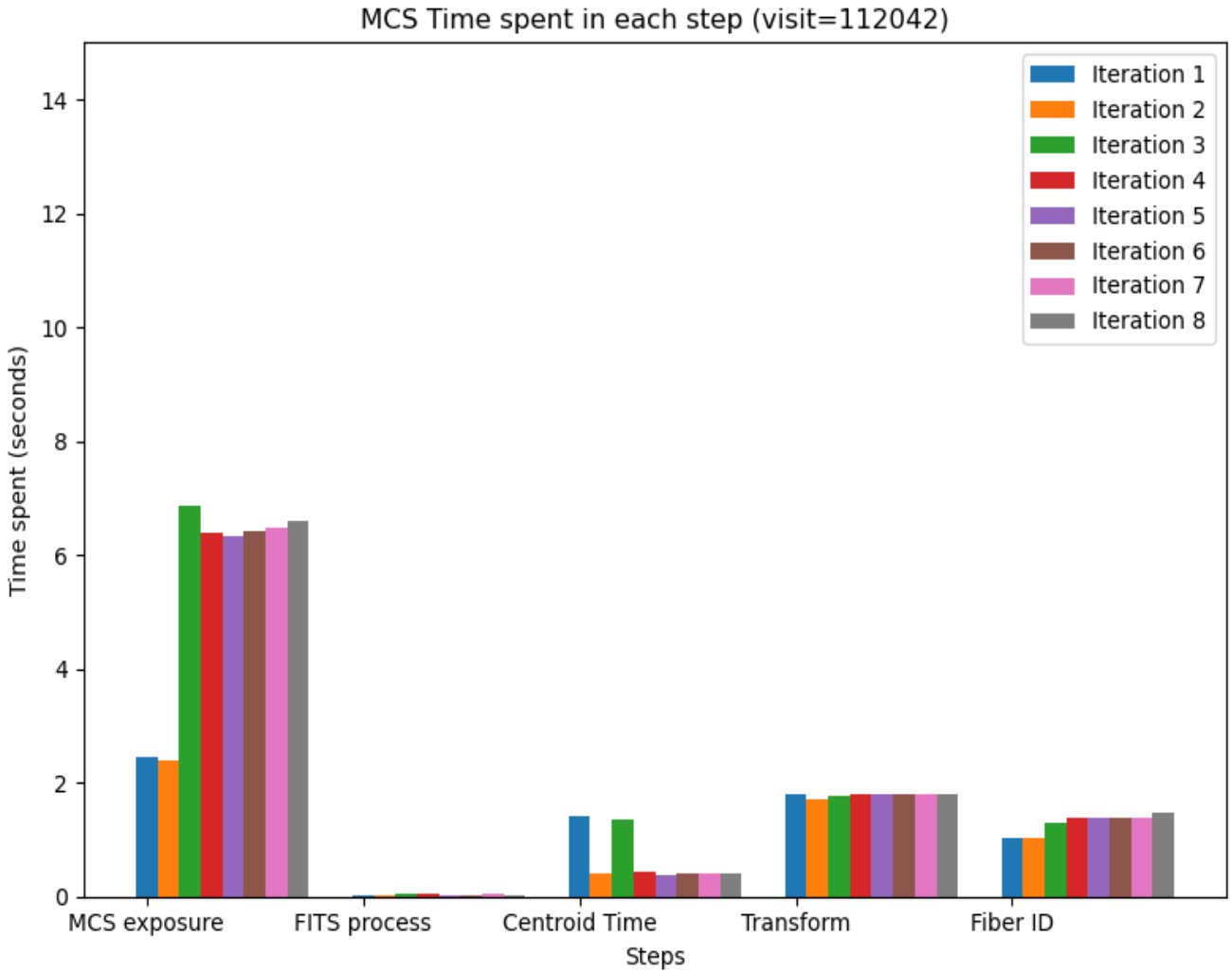

MCS Time spent in each step (visit=111914)
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps

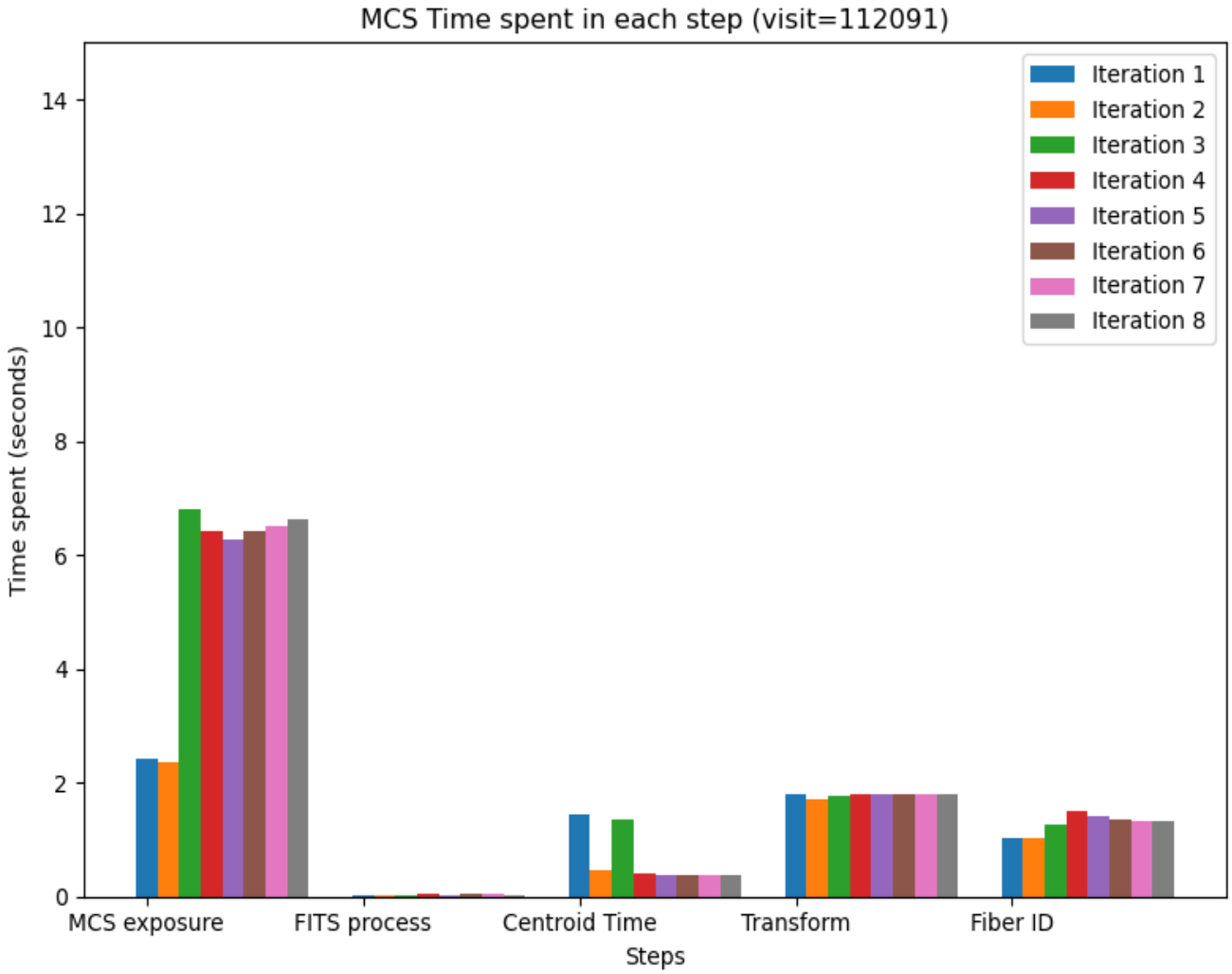

MCS Time spent in each step (visit=111932)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps


MCS Time spent in each step (visit=111936)
Home Cobra
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps


MCS Time spent in each step (visit=111943)
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps


MCS Time spent in each step (visit=111993)
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps


MCS Time spent in each step (visit=112042)
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps


MCS Time spent in each step (visit=112091)
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
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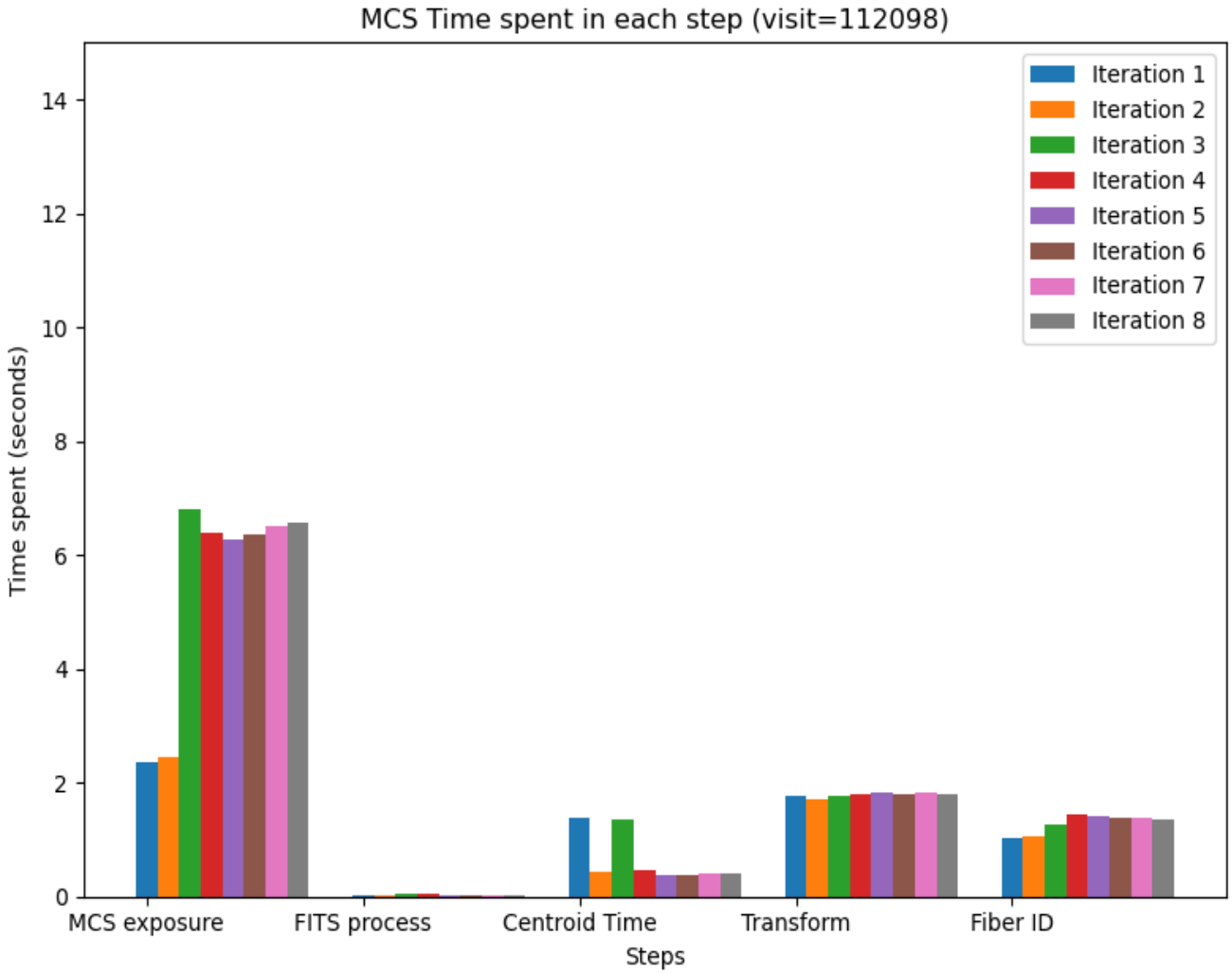
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps


MCS Time spent in each step (visit=112098)
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Iteration 6
Iteration 7
Iteration 8
Time spent (seconds)
0
2
4
6
8
10
12
14
MCS exposure
FITS process
Centroid Time
Transform
Fiber ID
Steps