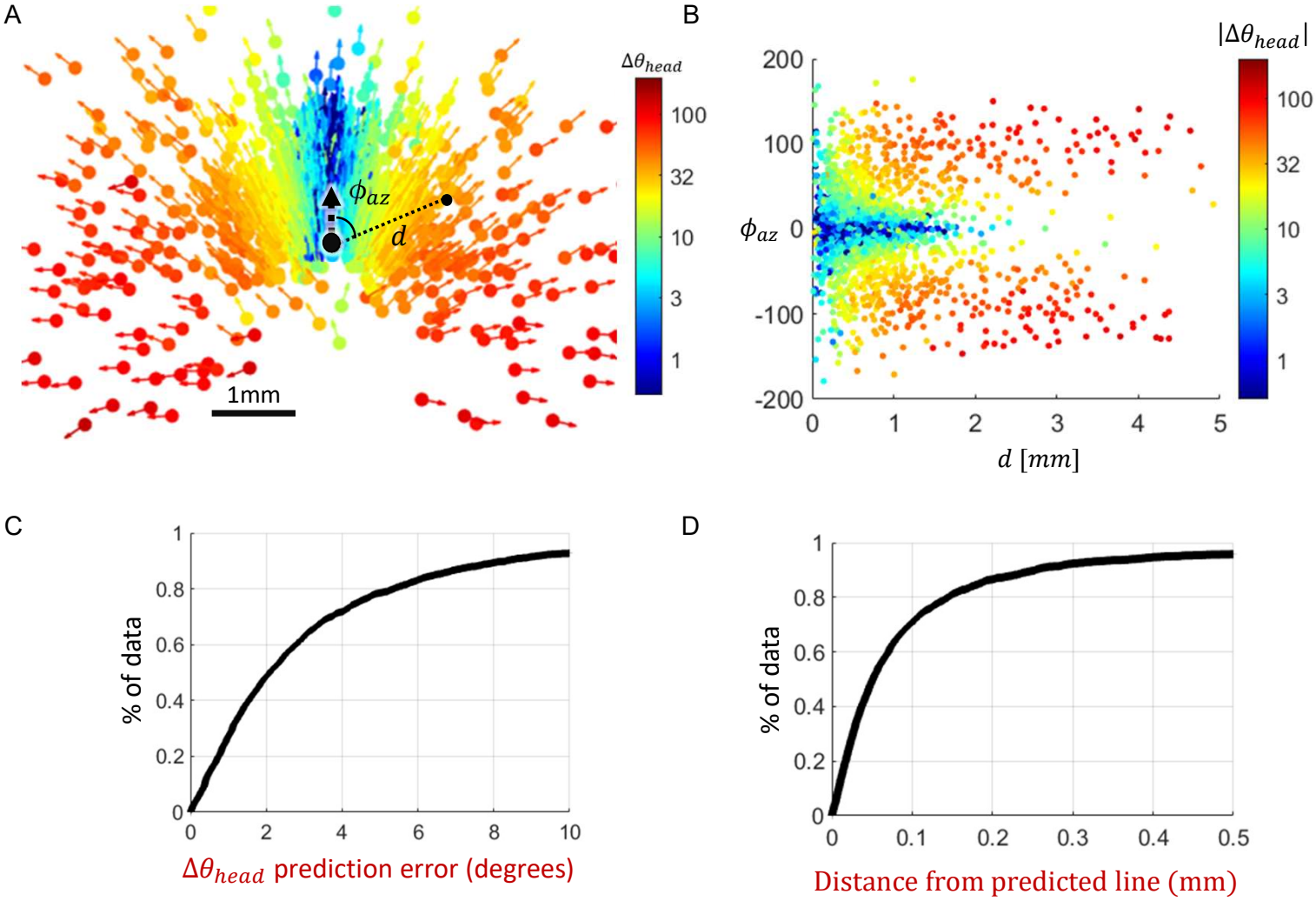
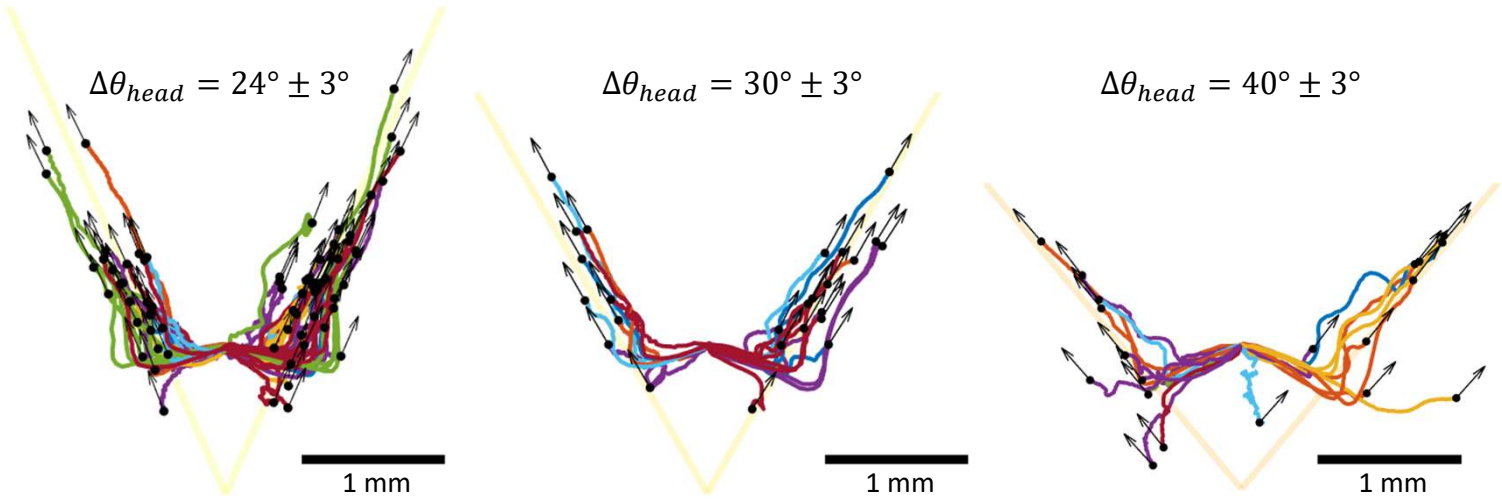

A
$\Delta\theta_{head}$
100
32
10
3
1
ϕ_{az}
d
1mm
B
$|\Delta\theta_{head}|$
200
100
ϕ_{az} 0
-100
-200
0
1
2
3
4
5
d [mm]
C
% of data
$\Delta\theta_{head}$ prediction error (degrees)
D
% of data
Distance from predicted line (mm)

E


$\Delta\theta_{head} = 24° \pm 3°$
$\Delta\theta_{head} = 30° \pm 3°$
$\Delta\theta_{head} = 40° \pm 3°$
1 mm
1 mm
1 mm