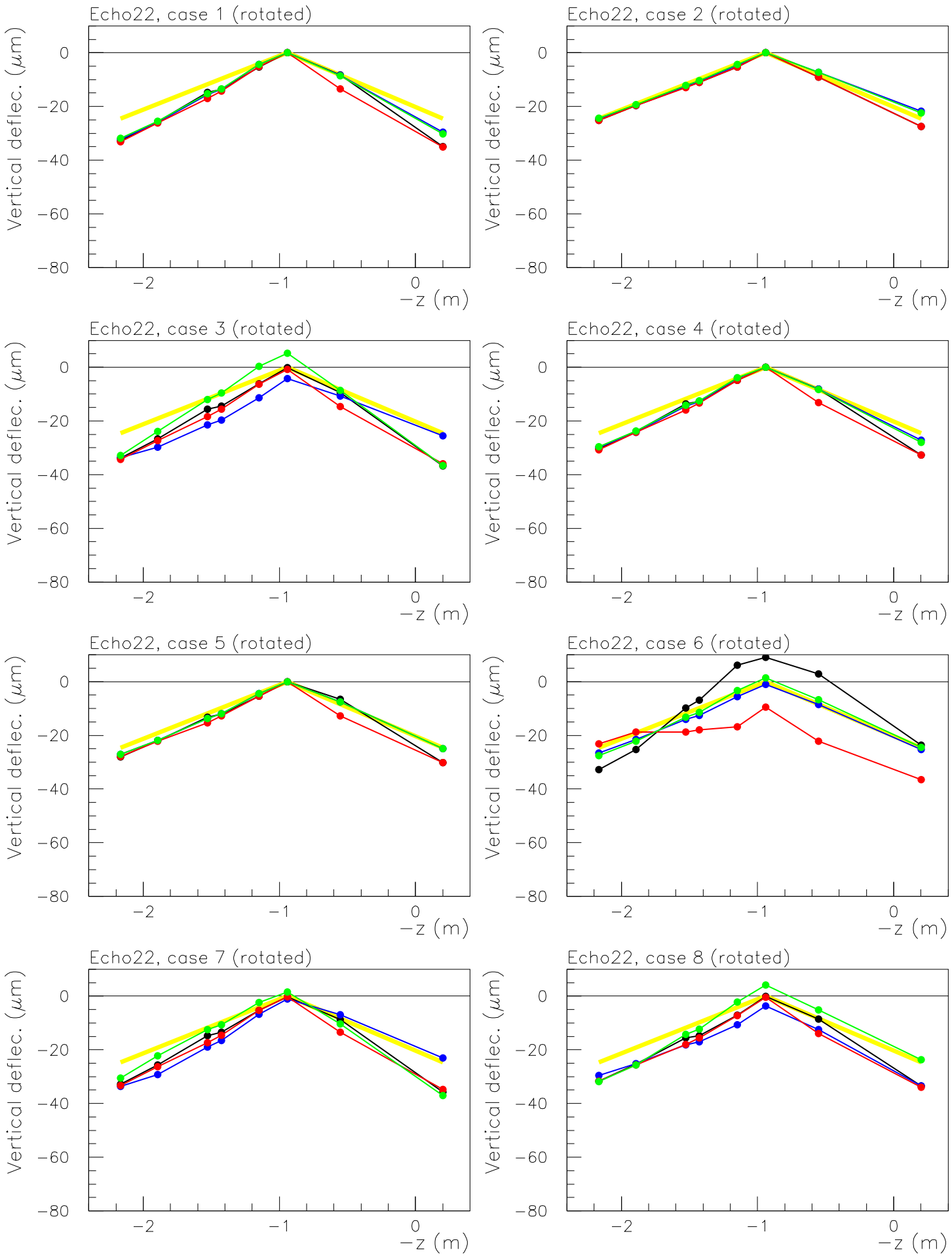
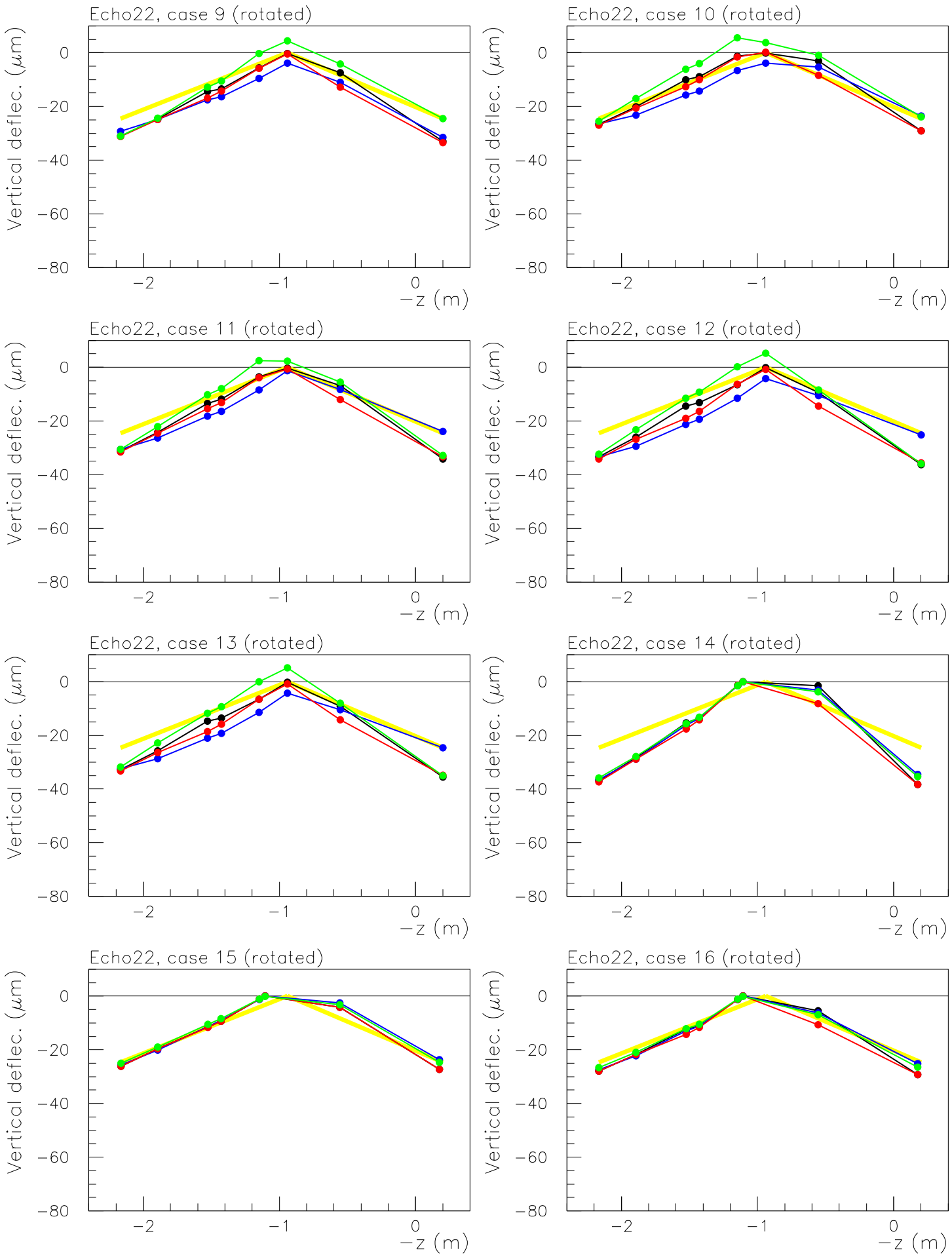
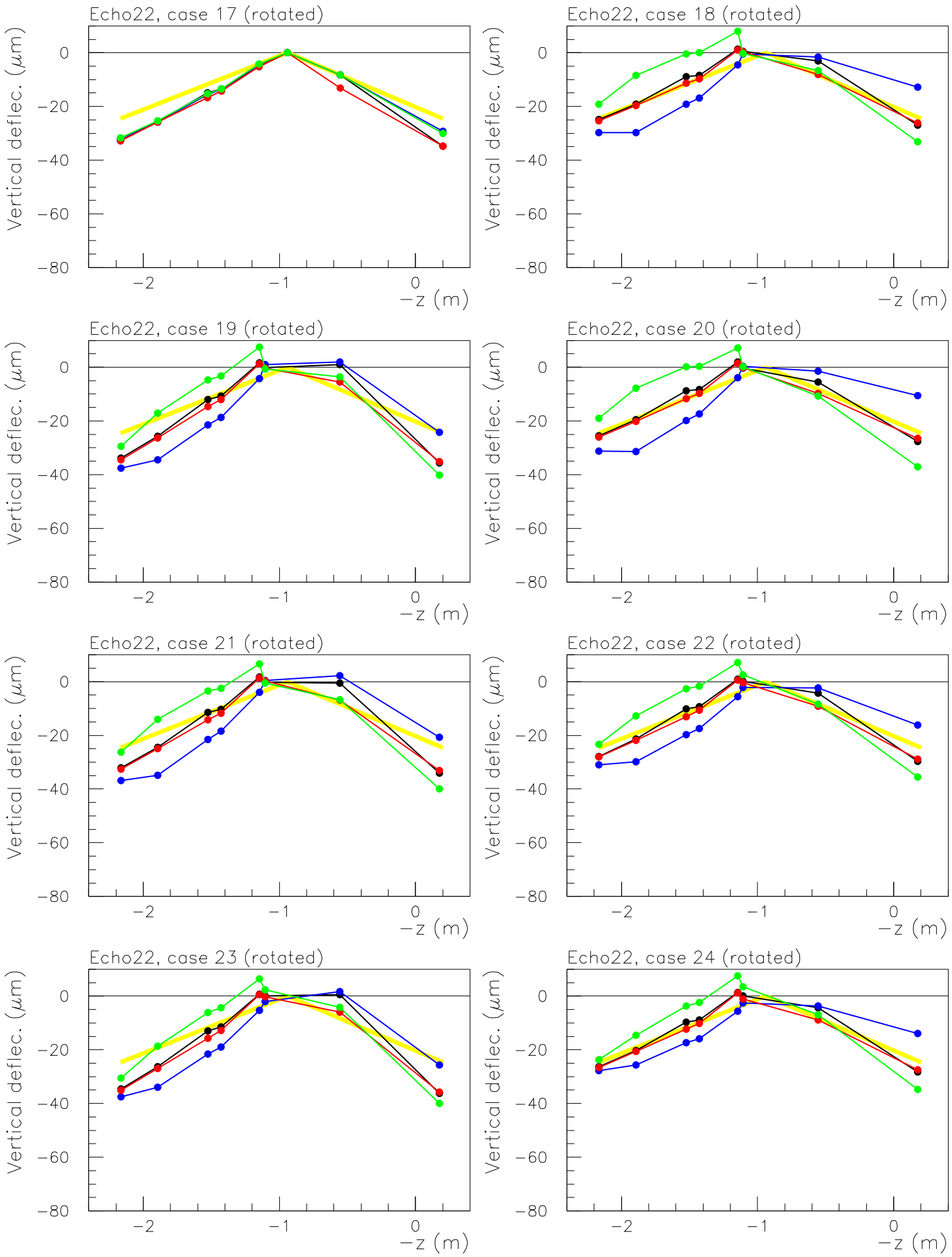
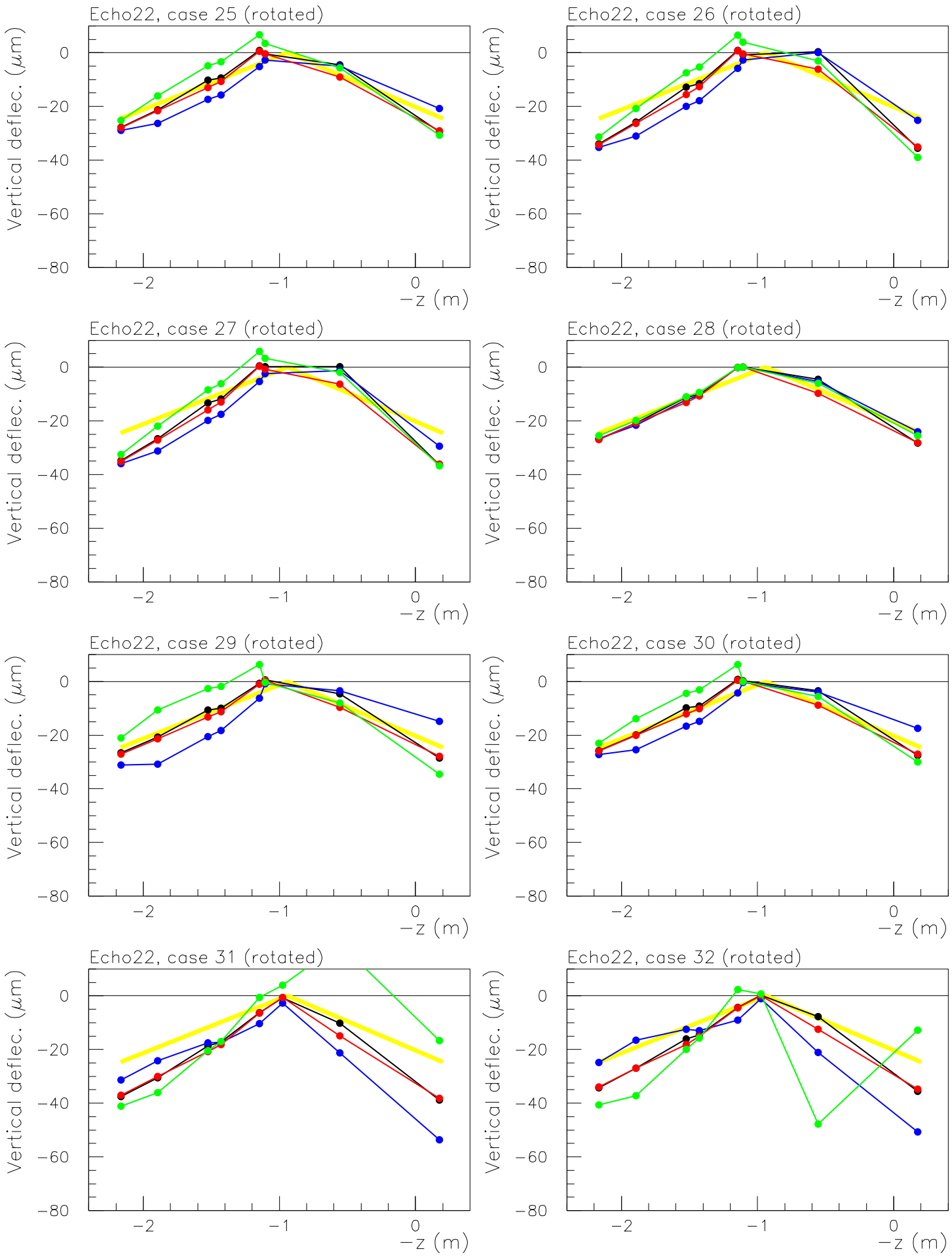
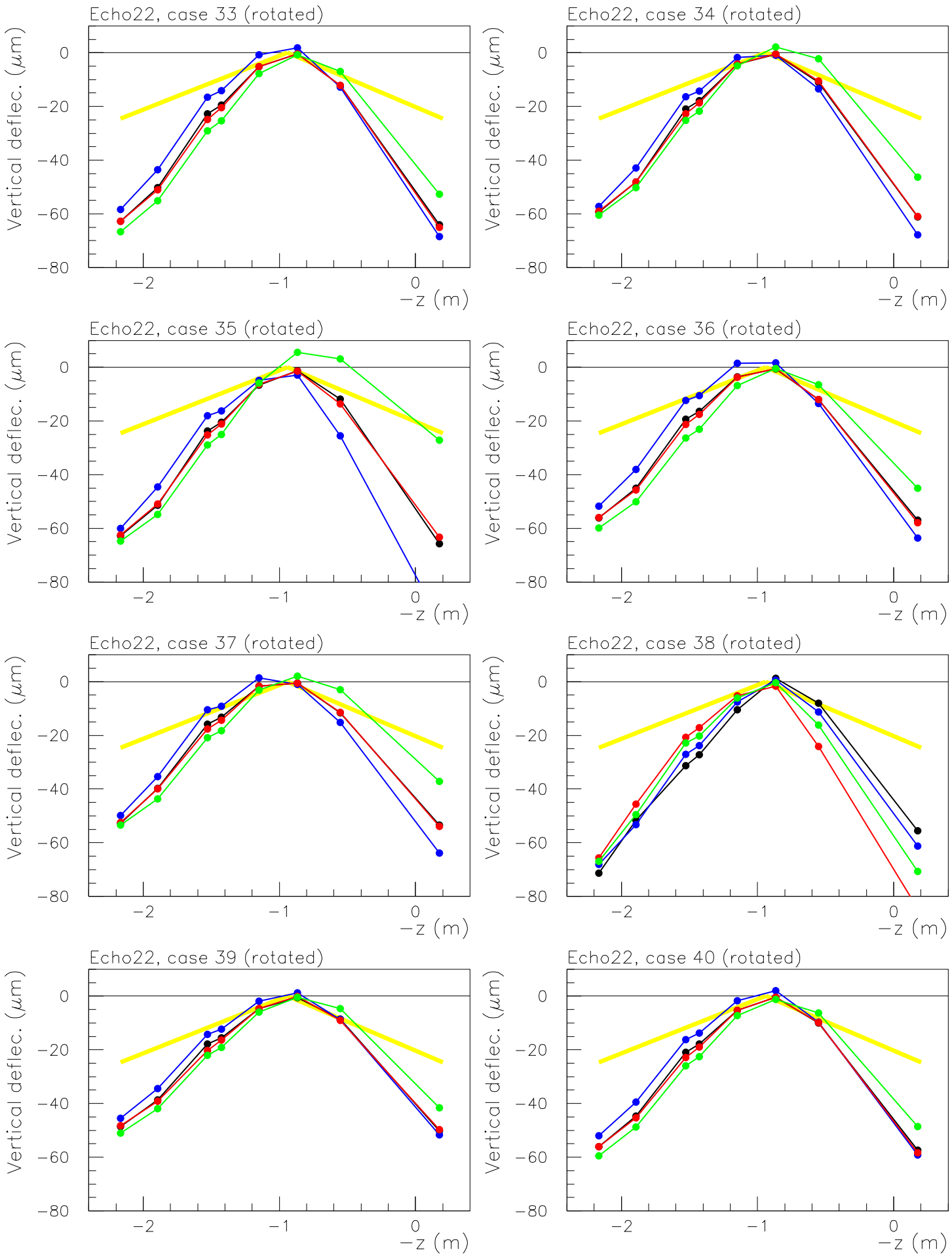
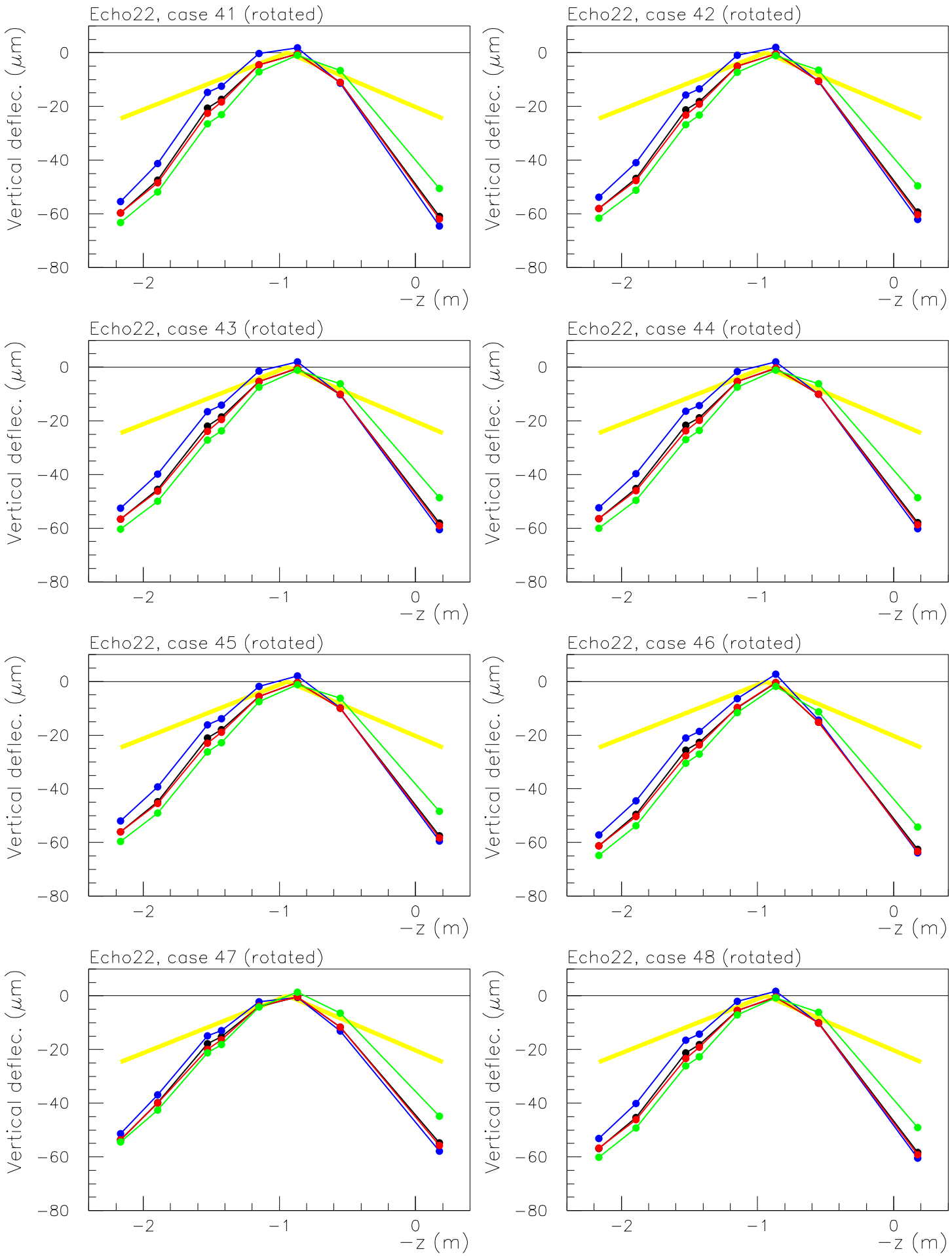

Echo22, case 1 (rotated)
Echo22, case 2 (rotated)
Echo22, case 3 (rotated)
Echo22, case 4 (rotated)
Echo22, case 5 (rotated)
Echo22, case 6 (rotated)
Echo22, case 7 (rotated)
Echo22, case 8 (rotated)
Vertical deflec. (μm)
0
−20
−40
−60
−80
−2
−1
0
−z (m)

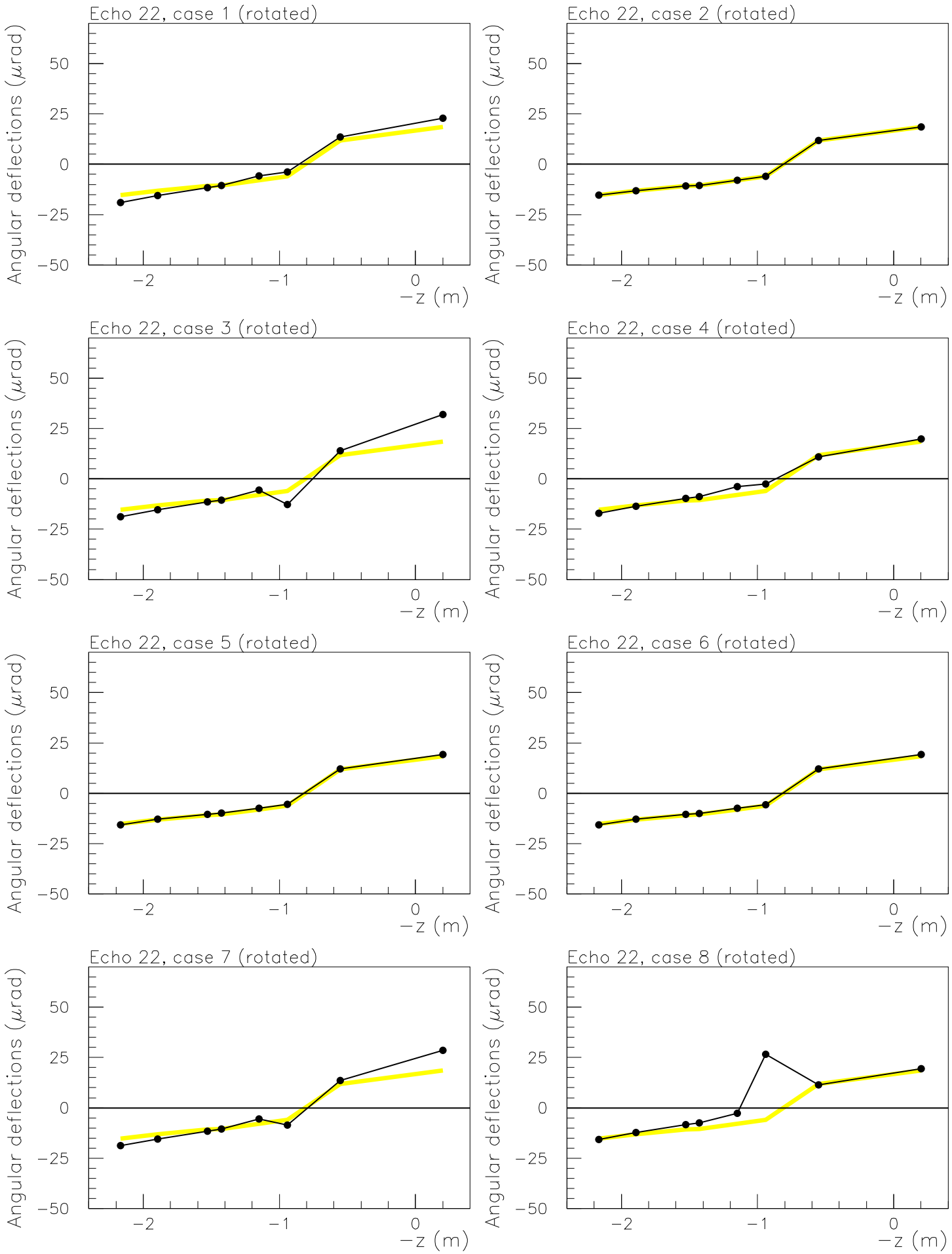

Echo22, case 9 (rotated)
Echo22, case 10 (rotated)
Echo22, case 11 (rotated)
Echo22, case 12 (rotated)
Echo22, case 13 (rotated)
Echo22, case 14 (rotated)
Echo22, case 15 (rotated)
Echo22, case 16 (rotated)
Vertical deflec. (μm)
−z (m)
0
−20
−40
−60
−80
−2
−1
0

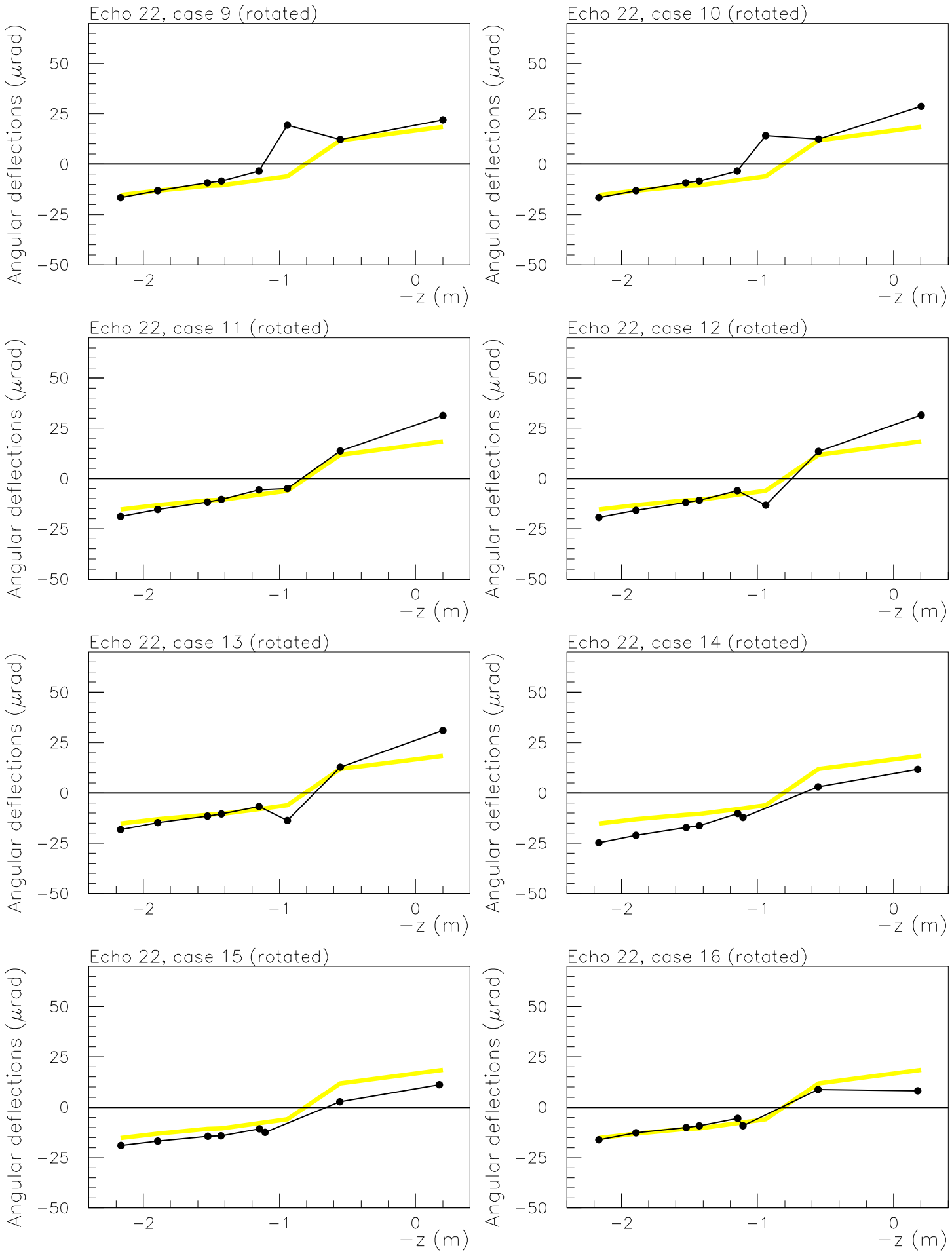

Echo22, case 17 (rotated)
Echo22, case 18 (rotated)
Echo22, case 19 (rotated)
Echo22, case 20 (rotated)
Echo22, case 21 (rotated)
Echo22, case 22 (rotated)
Echo22, case 23 (rotated)
Echo22, case 24 (rotated)
Vertical deflec. (μm)
−z (m)
0
−20
−40
−60
−80
−2
−1
0

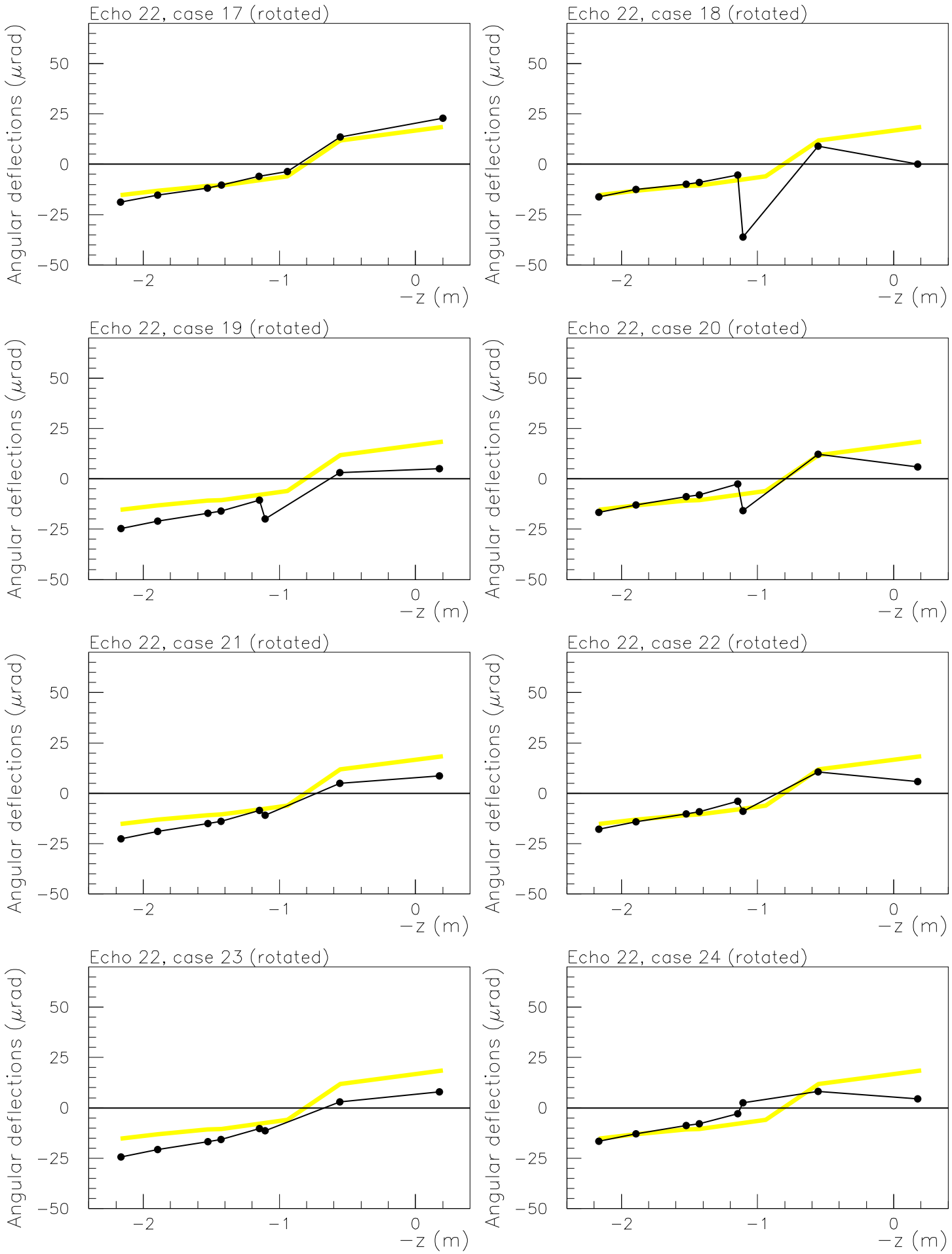

Echo22, case 25 (rotated)
Echo22, case 26 (rotated)
Echo22, case 27 (rotated)
Echo22, case 28 (rotated)
Echo22, case 29 (rotated)
Echo22, case 30 (rotated)
Echo22, case 31 (rotated)
Echo22, case 32 (rotated)
Vertical deflec. (μm)
−z (m)
0
−20
−40
−60
−80
−2
−1
0

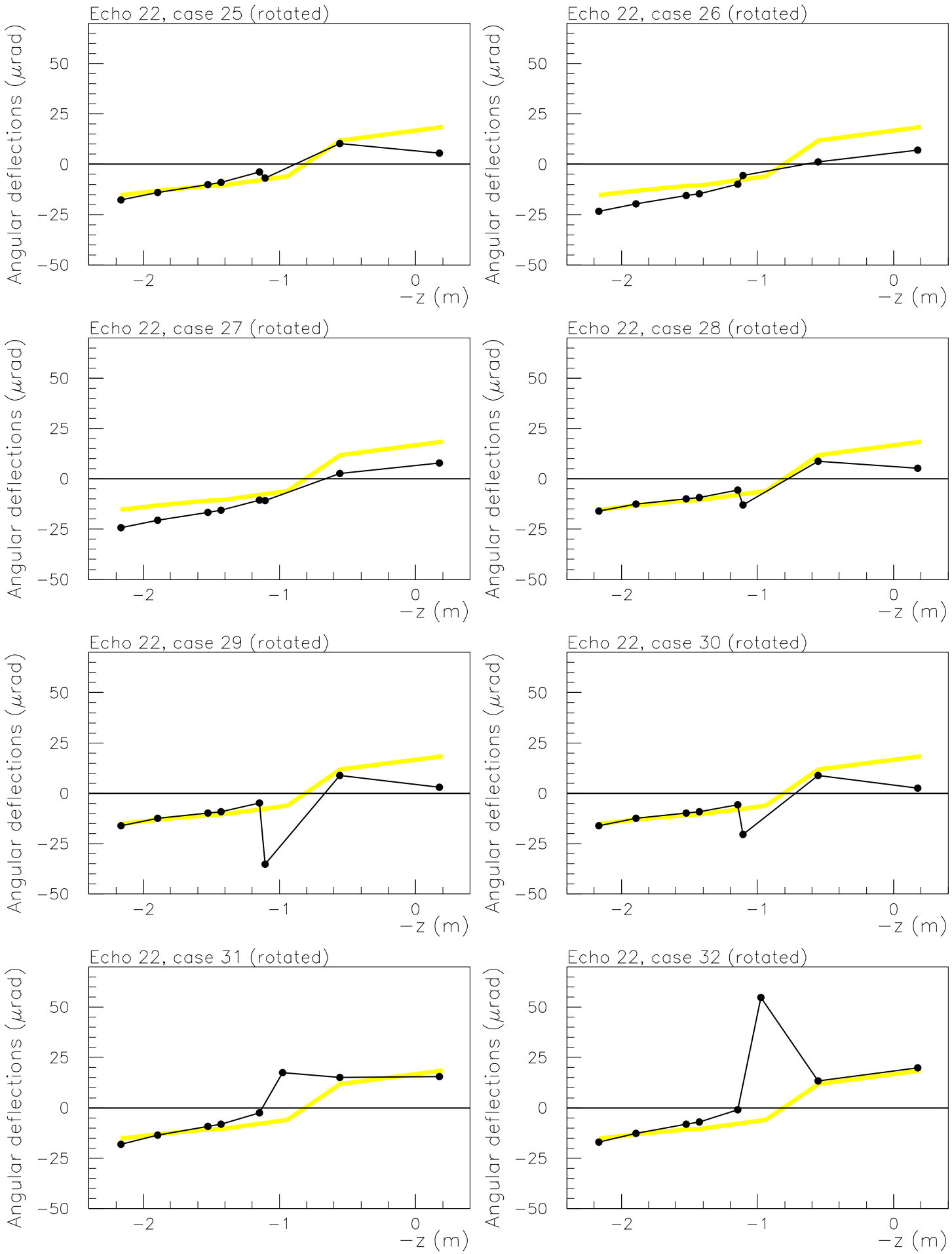

Echo22, case 33 (rotated)
Echo22, case 34 (rotated)
Echo22, case 35 (rotated)
Echo22, case 36 (rotated)
Echo22, case 37 (rotated)
Echo22, case 38 (rotated)
Echo22, case 39 (rotated)
Echo22, case 40 (rotated)
Vertical deflec. (μm)
−z (m)
0
−20
−40
−60
−80
−2
−1
0

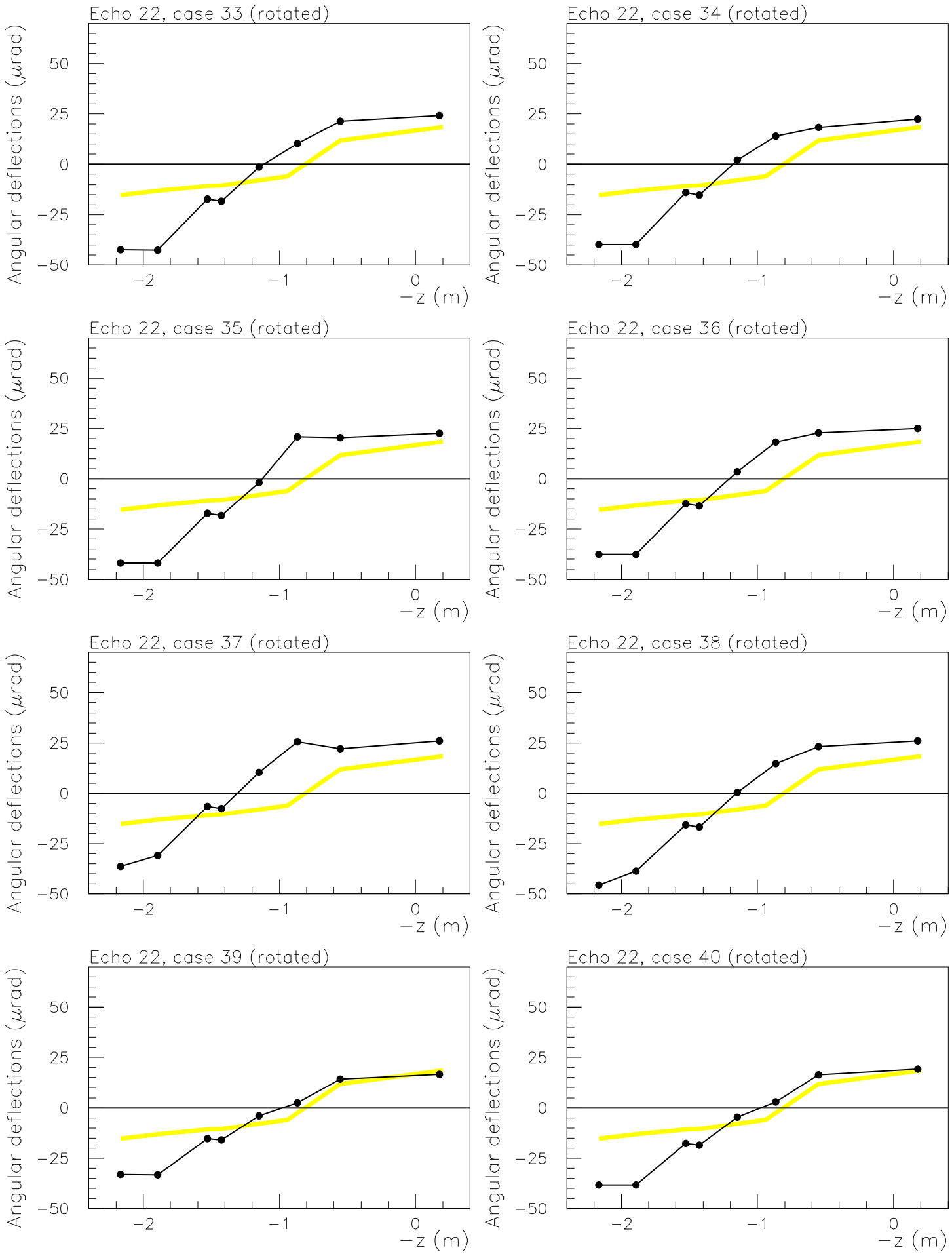

Echo22, case 41 (rotated)
Echo22, case 42 (rotated)
Echo22, case 43 (rotated)
Echo22, case 44 (rotated)
Echo22, case 45 (rotated)
Echo22, case 46 (rotated)
Echo22, case 47 (rotated)
Echo22, case 48 (rotated)
Vertical deflec. (μm)
0
−20
−40
−60
−80
−2
−1
0
−z (m)

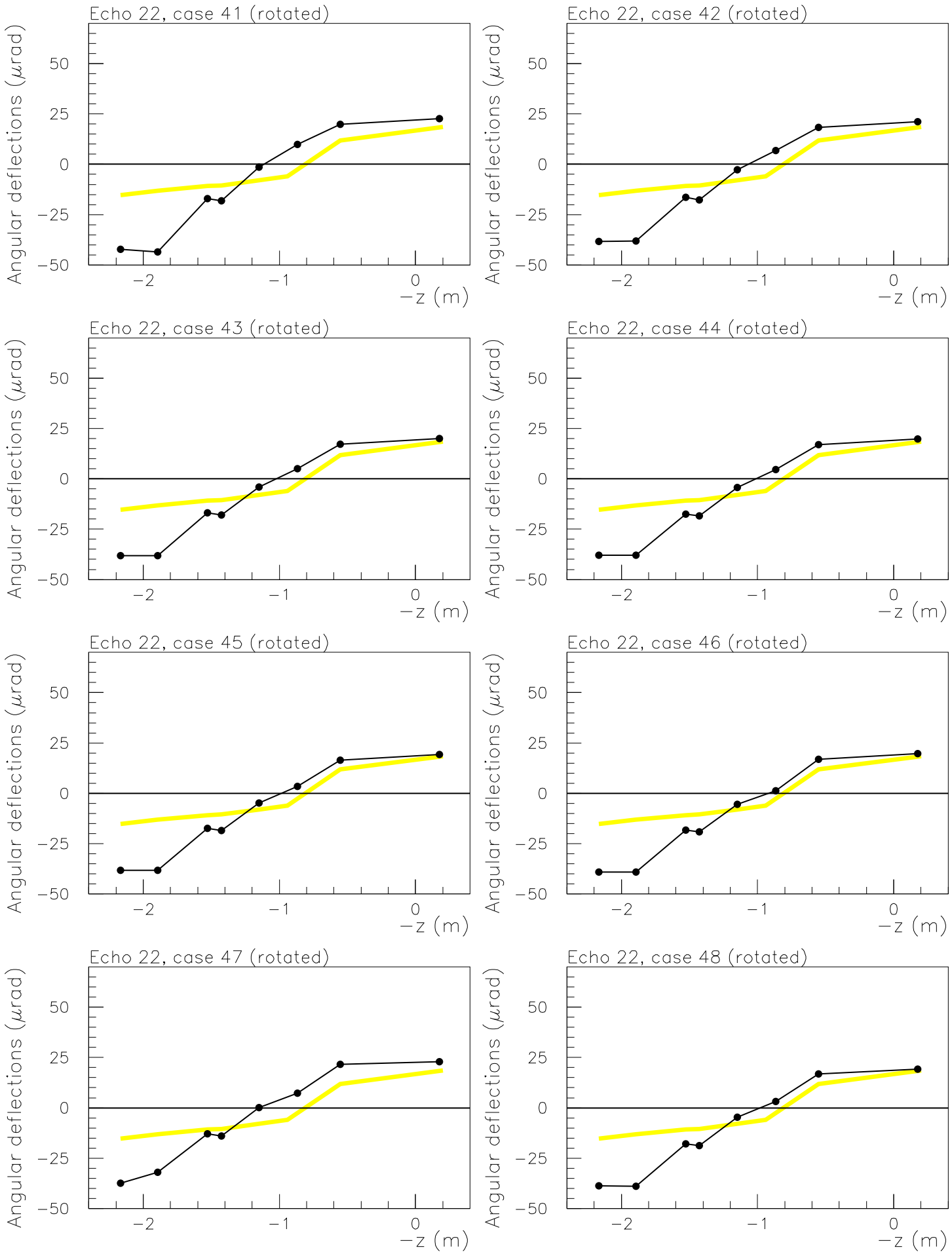

Echo 22, case 1 (rotated)
Echo 22, case 2 (rotated)
Echo 22, case 3 (rotated)
Echo 22, case 4 (rotated)
Echo 22, case 5 (rotated)
Echo 22, case 6 (rotated)
Echo 22, case 7 (rotated)
Echo 22, case 8 (rotated)
Angular deflections (μrad)
50
25
0
−25
−50
−2
−1
0
−z (m)

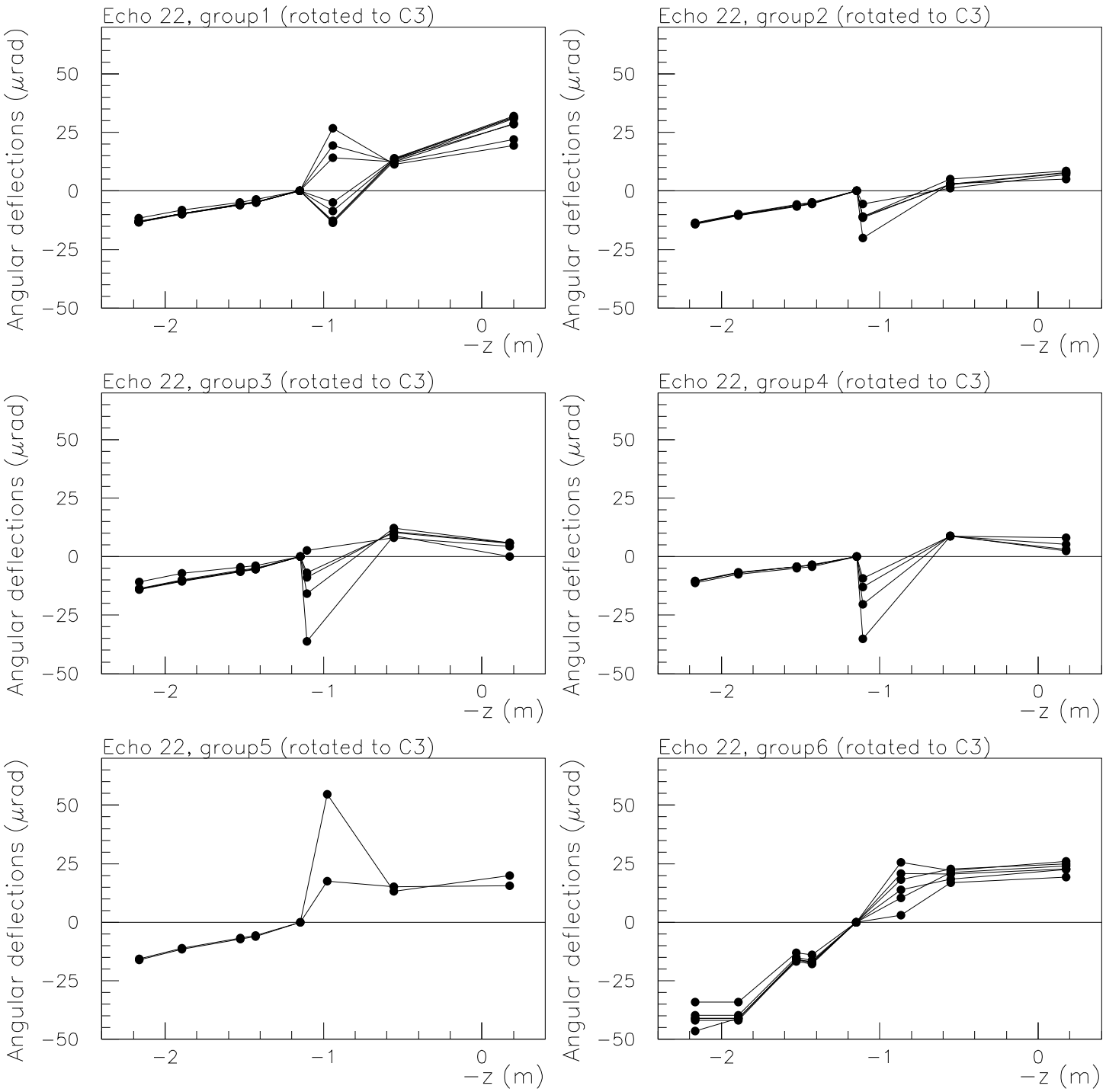

Echo 22, case 9 (rotated)
Echo 22, case 10 (rotated)
Echo 22, case 11 (rotated)
Echo 22, case 12 (rotated)
Echo 22, case 13 (rotated)
Echo 22, case 14 (rotated)
Echo 22, case 15 (rotated)
Echo 22, case 16 (rotated)
Angular deflections (μrad)
50
25
0
−25
−50
−2
−1
0
−z (m)

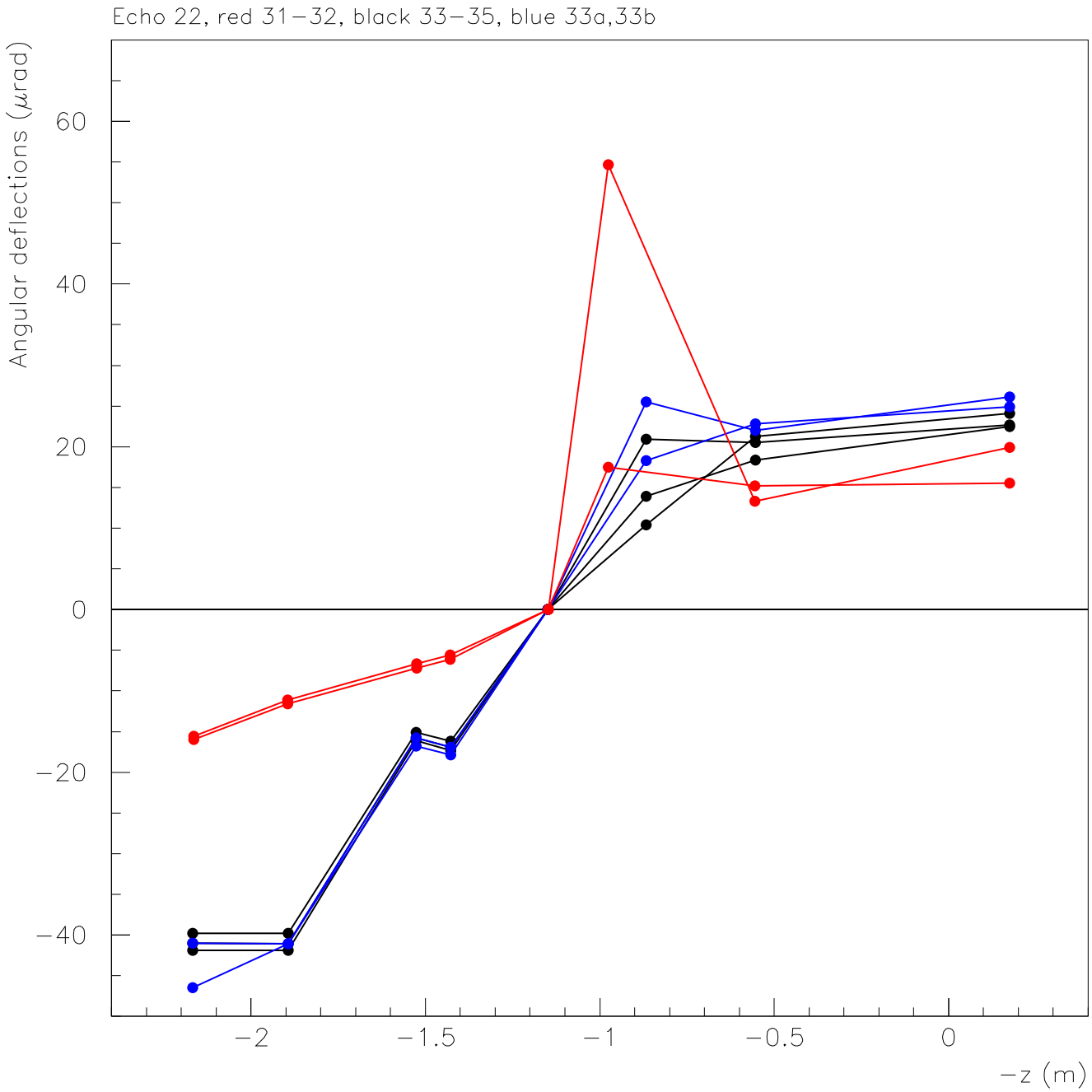

Echo 22, case 17 (rotated)
Echo 22, case 18 (rotated)
Echo 22, case 19 (rotated)
Echo 22, case 20 (rotated)
Echo 22, case 21 (rotated)
Echo 22, case 22 (rotated)
Echo 22, case 23 (rotated)
Echo 22, case 24 (rotated)
Angular deflections (μrad)
50
25
0
−25
−50
−2
−1
0
−z (m)


Echo 22, case 25 (rotated)
Echo 22, case 26 (rotated)
Echo 22, case 27 (rotated)
Echo 22, case 28 (rotated)
Echo 22, case 29 (rotated)
Echo 22, case 30 (rotated)
Echo 22, case 31 (rotated)
Echo 22, case 32 (rotated)
Angular deflections (μrad)
50
25
0
−25
−50
−2
−1
0
−z (m)


Echo 22, case 33 (rotated)
Echo 22, case 34 (rotated)
Echo 22, case 35 (rotated)
Echo 22, case 36 (rotated)
Echo 22, case 37 (rotated)
Echo 22, case 38 (rotated)
Echo 22, case 39 (rotated)
Echo 22, case 40 (rotated)
Angular deflections (μrad)
50
25
0
−25
−50
−2
−1
0
−z (m)


Echo 22, case 41 (rotated)
Echo 22, case 42 (rotated)
Echo 22, case 43 (rotated)
Echo 22, case 44 (rotated)
Echo 22, case 45 (rotated)
Echo 22, case 46 (rotated)
Echo 22, case 47 (rotated)
Echo 22, case 48 (rotated)
Angular deflections (μrad)
50
25
0
−25
−50
−2
−1
0
−z (m)


Echo 22, group1 (rotated to C3)
Echo 22, group2 (rotated to C3)
Echo 22, group3 (rotated to C3)
Echo 22, group4 (rotated to C3)
Echo 22, group5 (rotated to C3)
Echo 22, group6 (rotated to C3)
Angular deflections (μrad)
−z (m)
50
25
0
−25
−50
−2
−1
0


Echo 22, red 31−32, black 33−35, blue 33a,33b
Angular deflections (μrad)
60
40
20
0
−20
−40
−2
−1.5
−1
−0.5
0
−z (m)