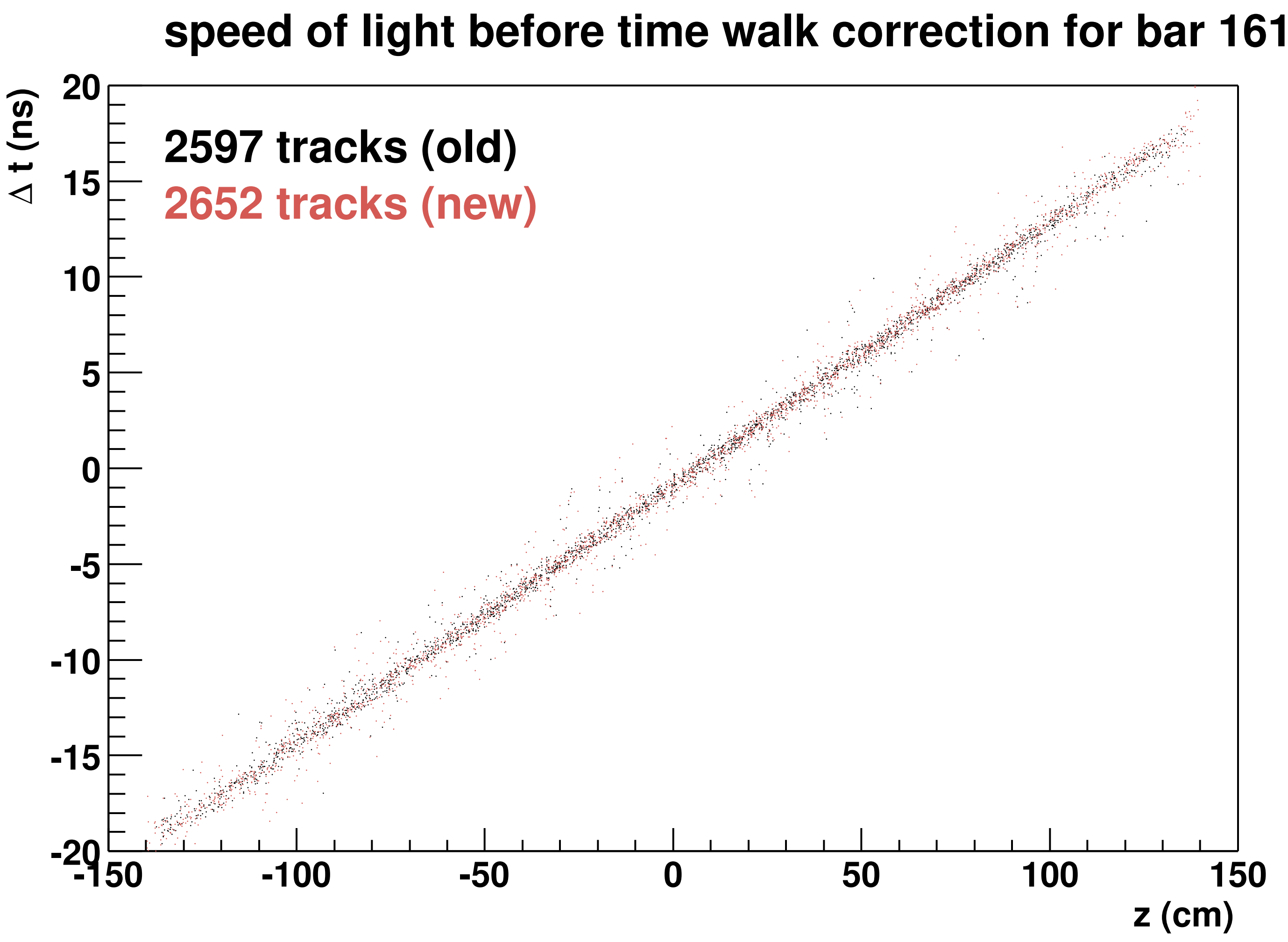
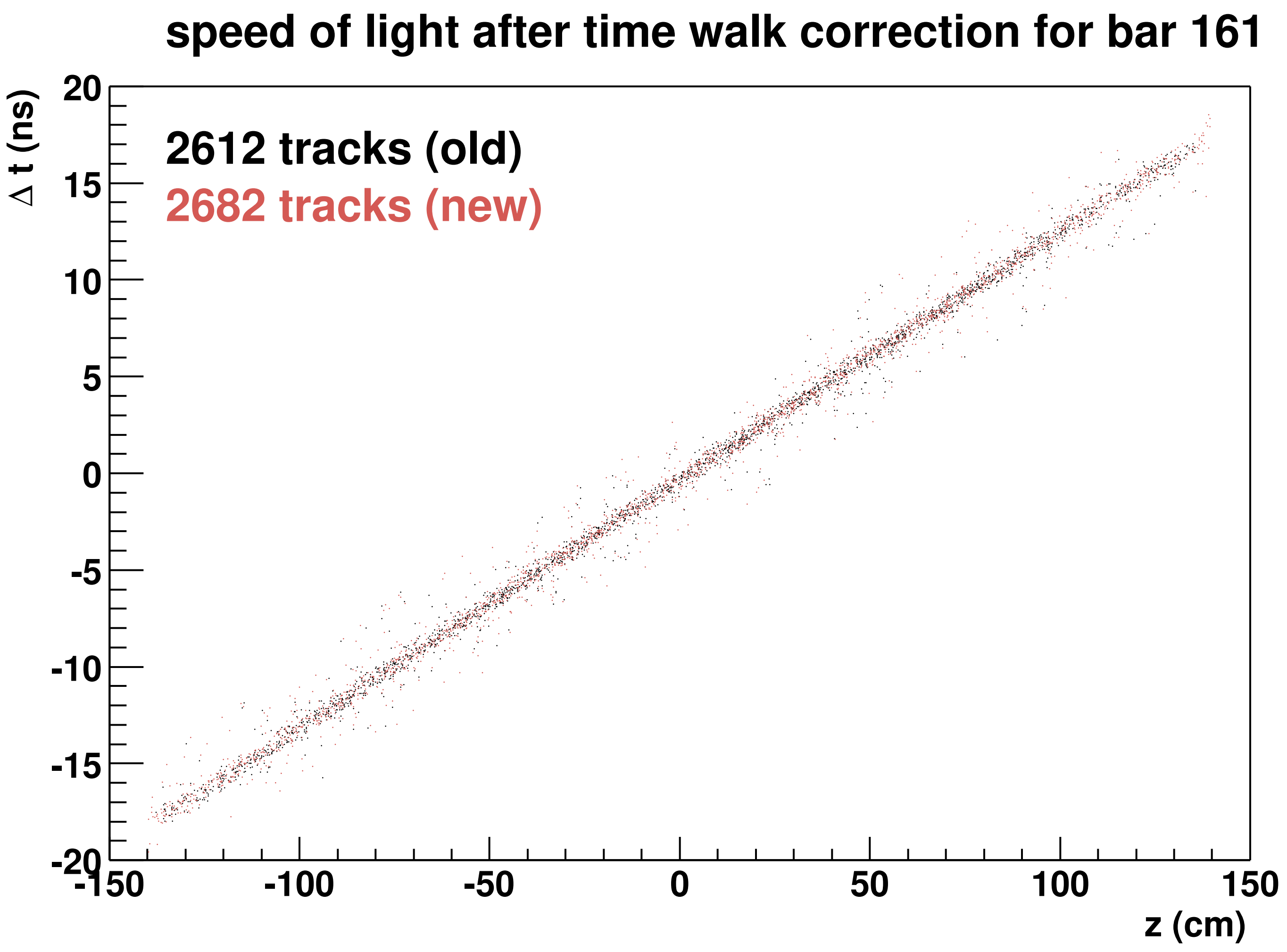
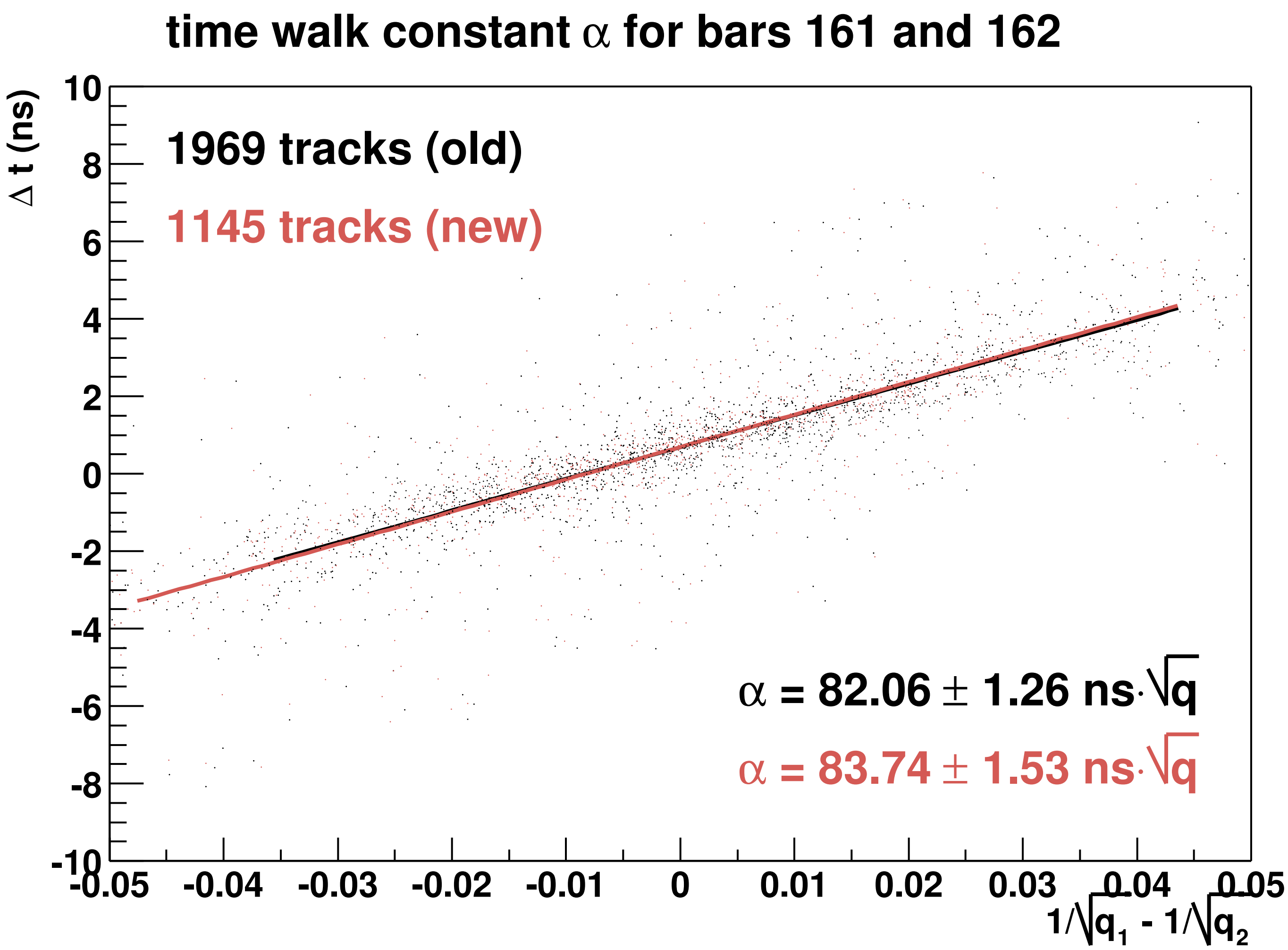
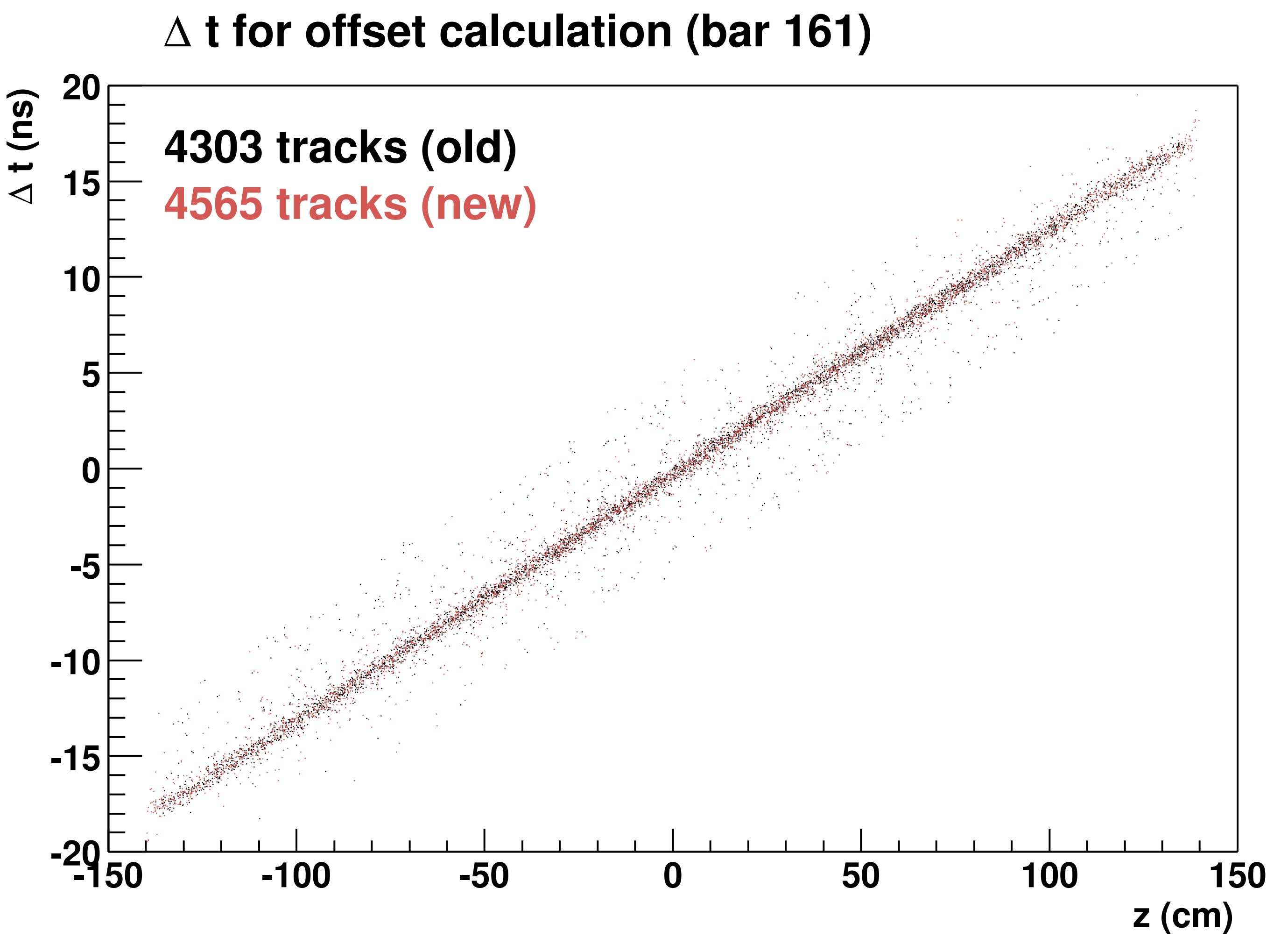


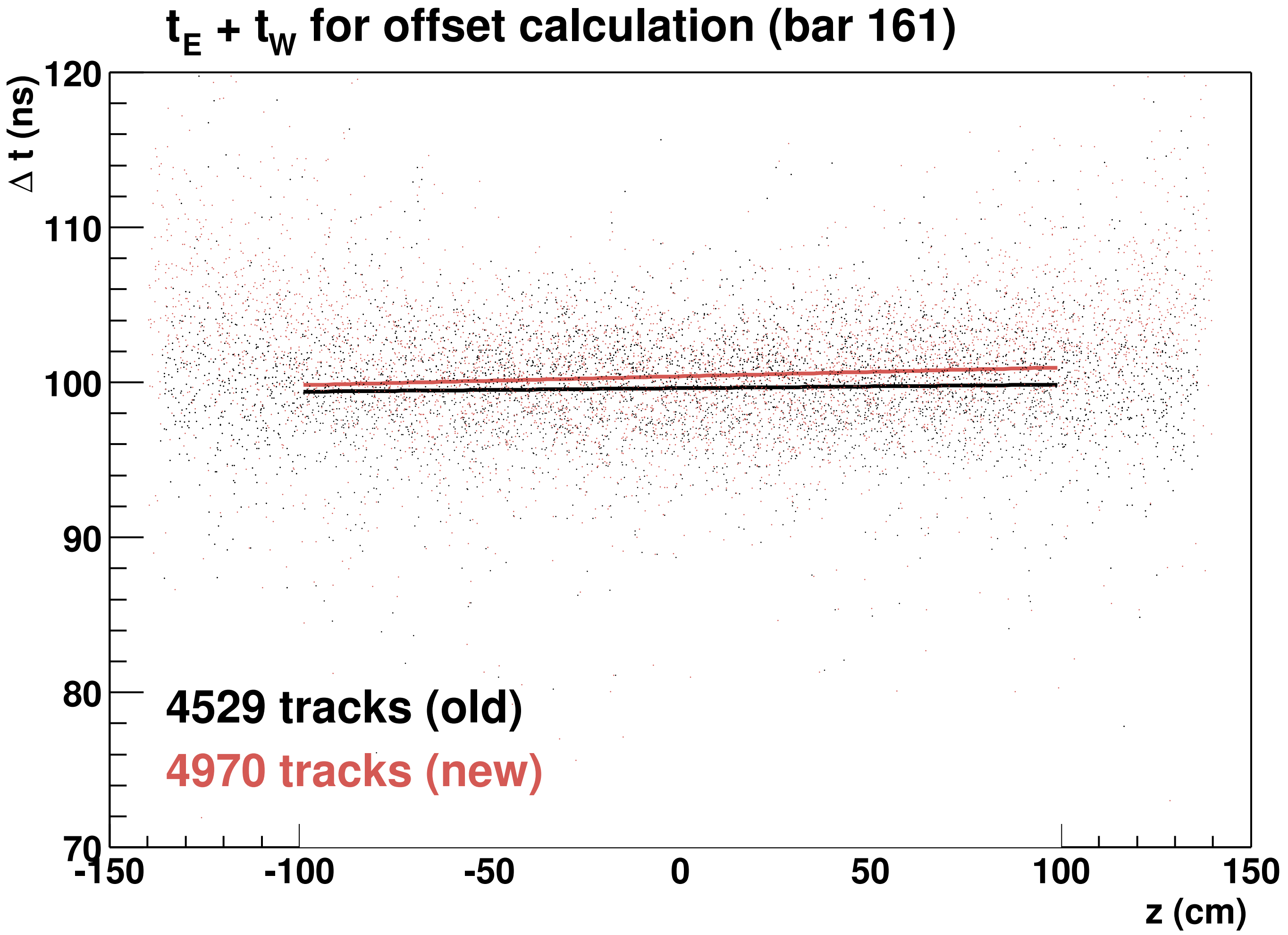
speed of light before time walk correction for bar 161
2597 tracks (old)
2652 tracks (new)
Δ t (ns)
z (cm)
20
15
10
5
0
-5
-10
-15
-20
-150
-100
-50
0
50
100
150


speed of light after time walk correction for bar 161
2612 tracks (old)
2682 tracks (new)
Δ t (ns)
z (cm)
20
15
10
5
0
-5
-10
-15
-20
-150
-100
-50
0
50
100
150


time walk constant α for bars 161 and 162
Δ t (ns)
1969 tracks (old)
1145 tracks (new)
α = 82.06 ± 1.26 ns·√q
α = 83.74 ± 1.53 ns·√q
1/√q1 - 1/√q2



Δ t for offset calculation (bar 161)
4303 tracks (old)
4565 tracks (new)
Δ t (ns)
z (cm)
20
15
10
5
0
-5
-10
-15
-20
-150
-100
-50
0
50
100
150



t_E + t_W for offset calculation (bar 161)
Δ t (ns)
120
110
100
90
80
70
-150
-100
-50
0
50
100
150
z (cm)
4529 tracks (old)
4970 tracks (new)