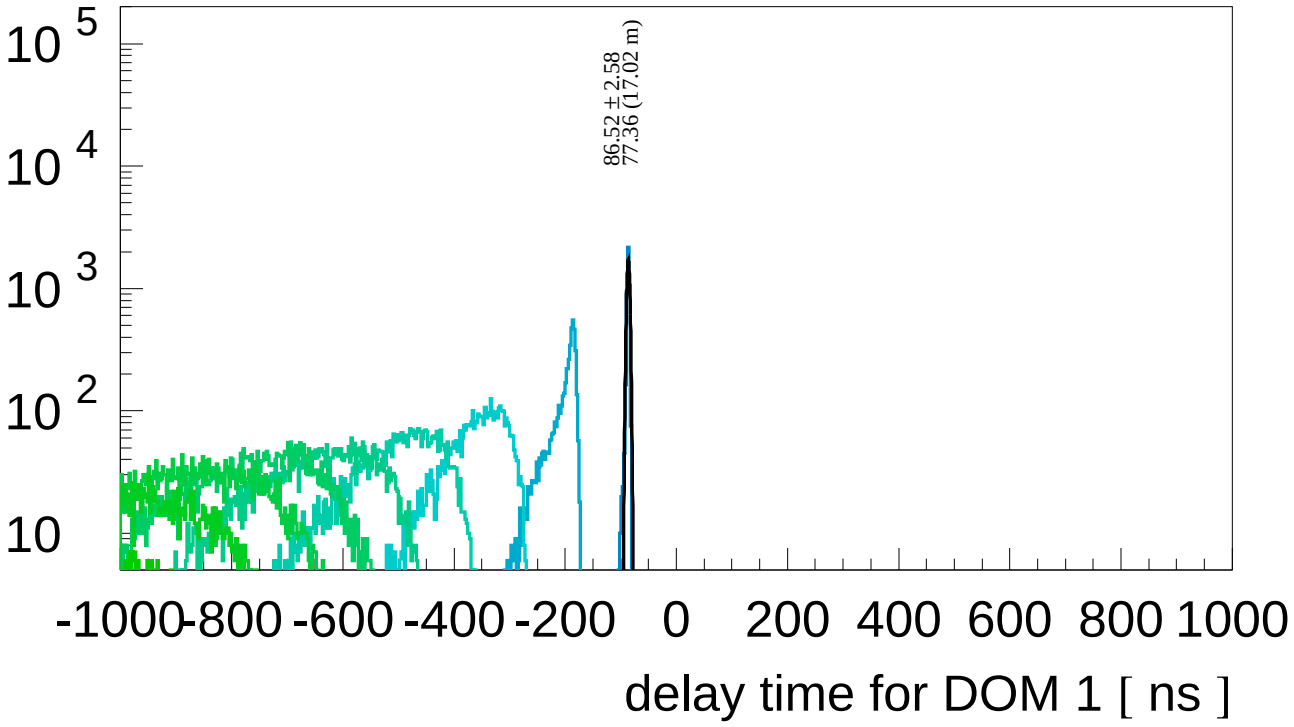
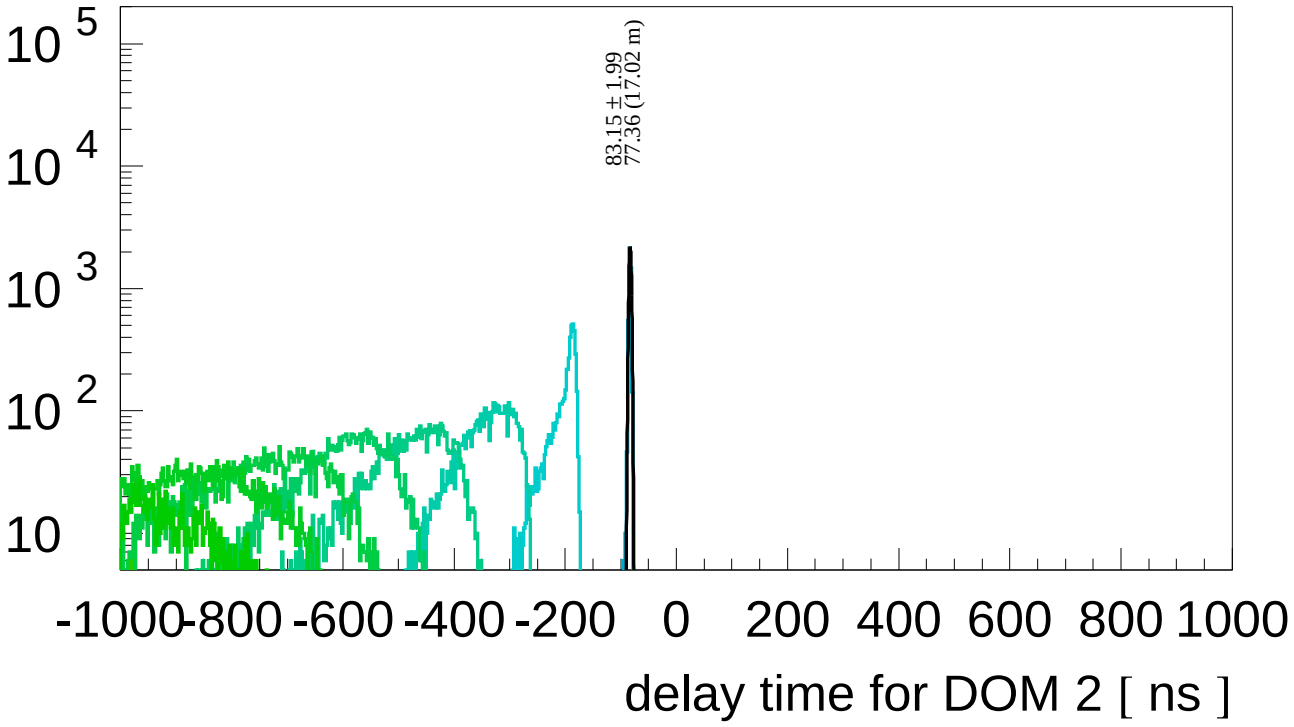
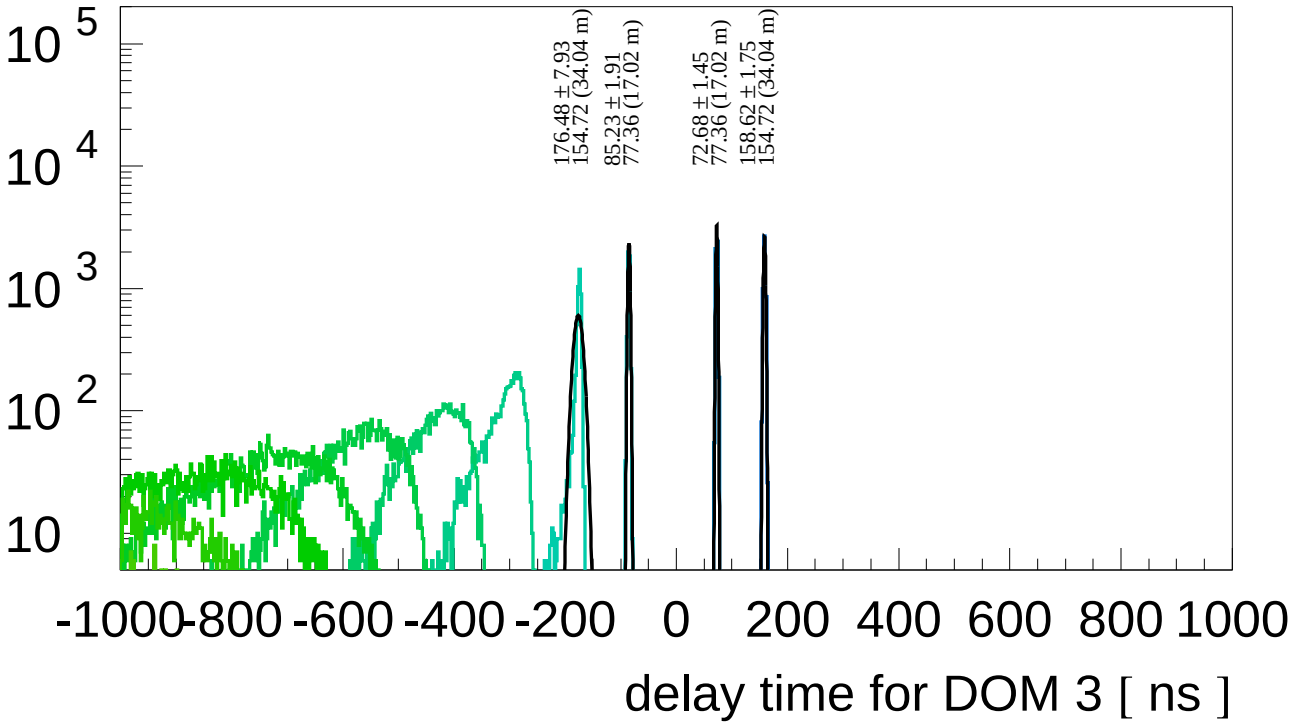
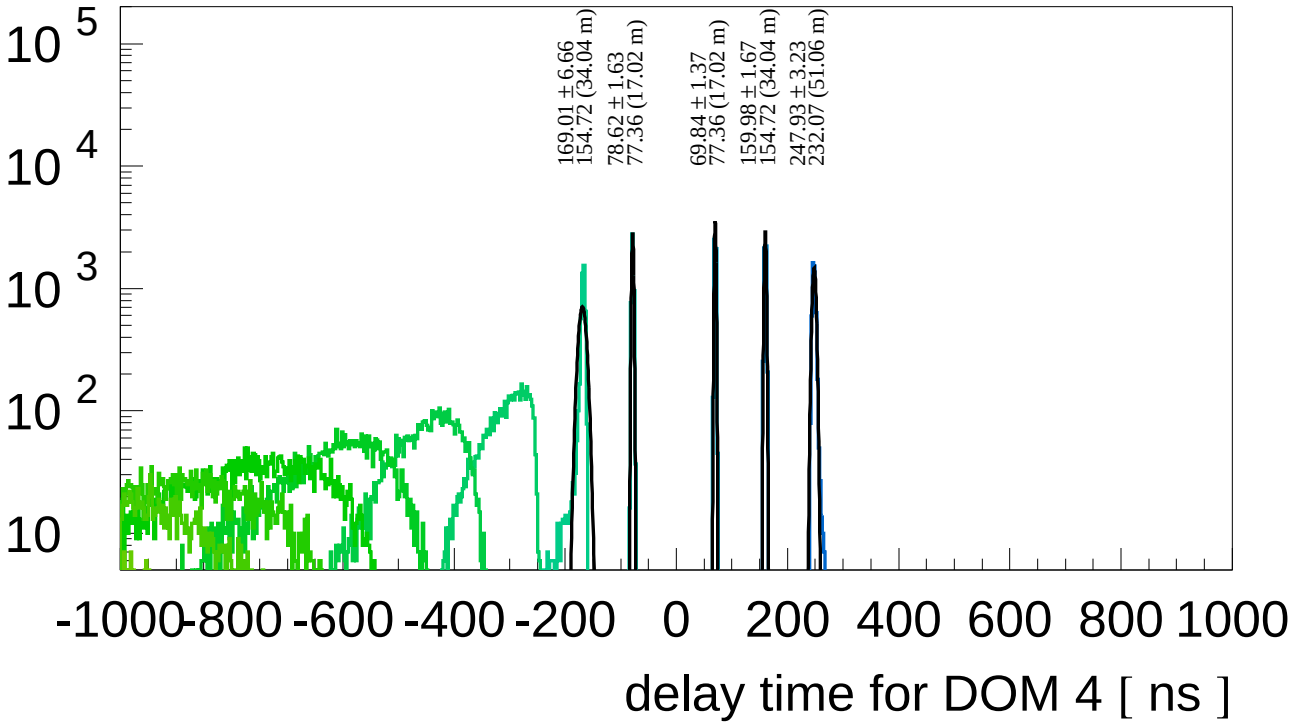
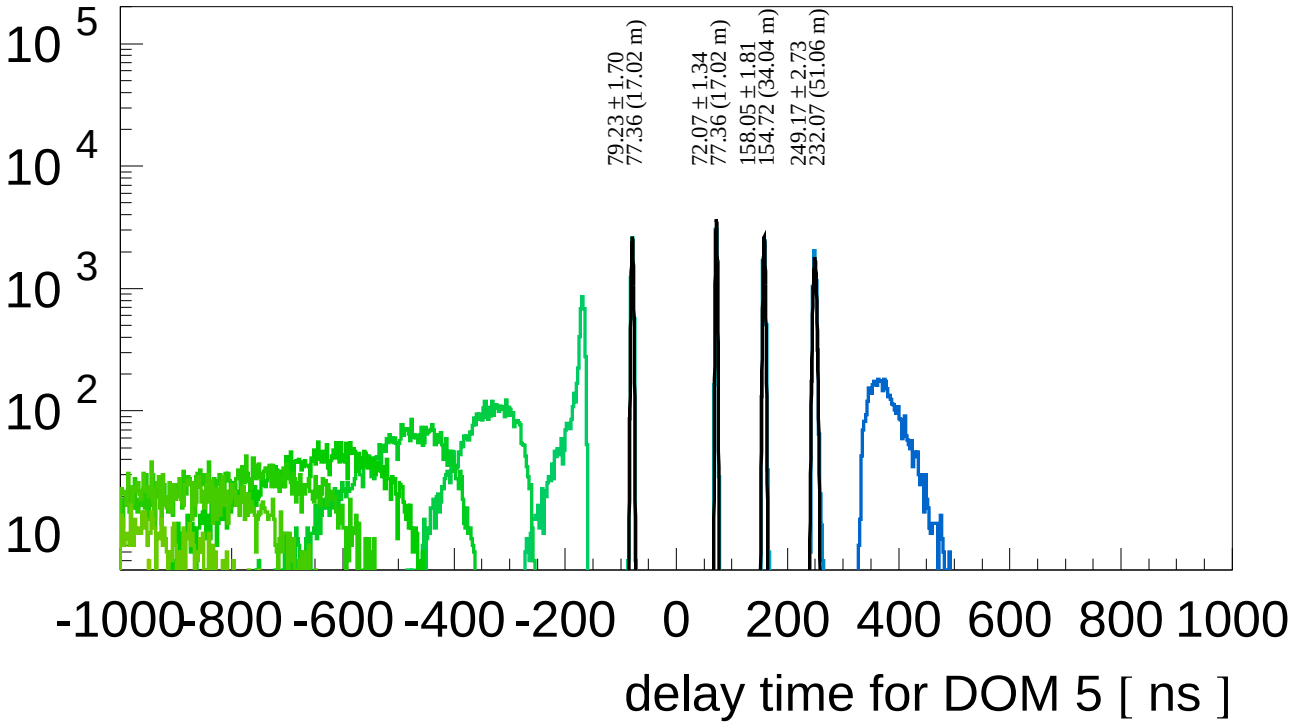
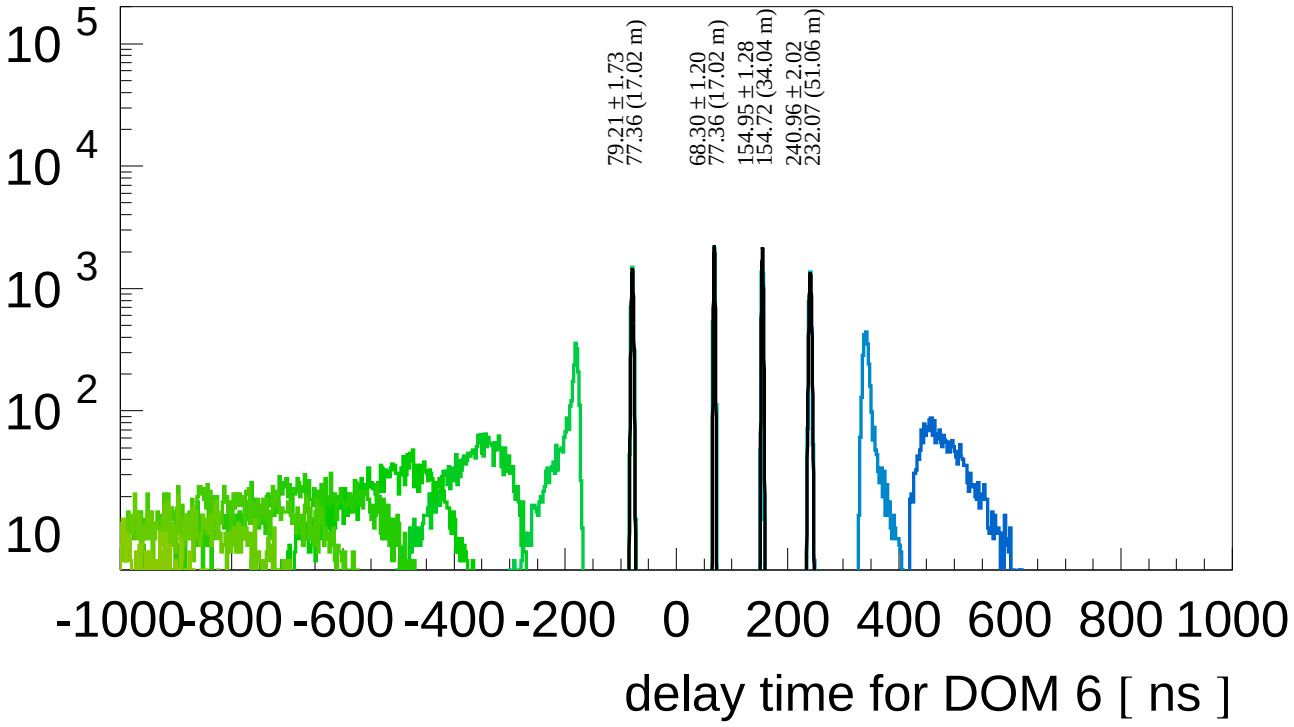

10 5
10 4
10 3
10 2
10
86.52 ± 2.58
77.36 (17.02 m)
-1000 -800 -600 -400 -200 0 200 400 600 800 1000
delay time for DOM 1 [ns]

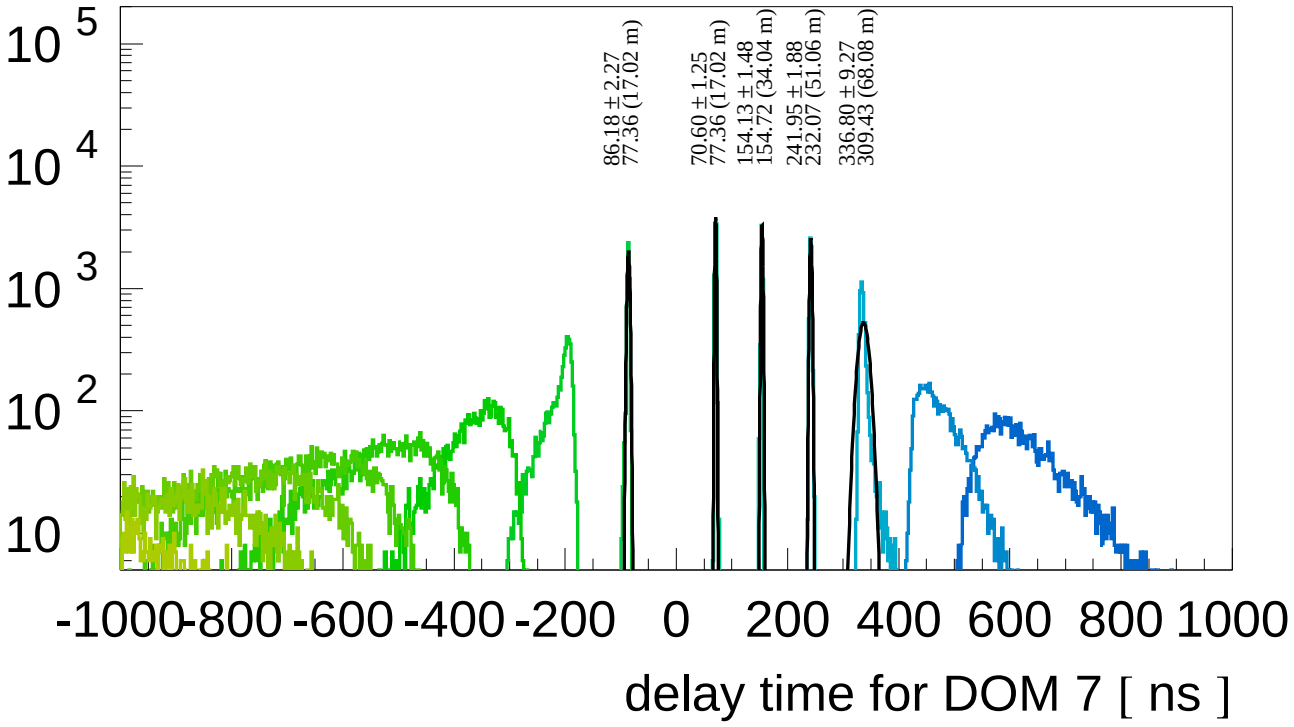

10 5
10 4
10 3
10 2
10
83.15 ± 1.99
77.36 (17.02 m)
-1000 -800 -600 -400 -200 0 200 400 600 800 1000
delay time for DOM 2 [ns]

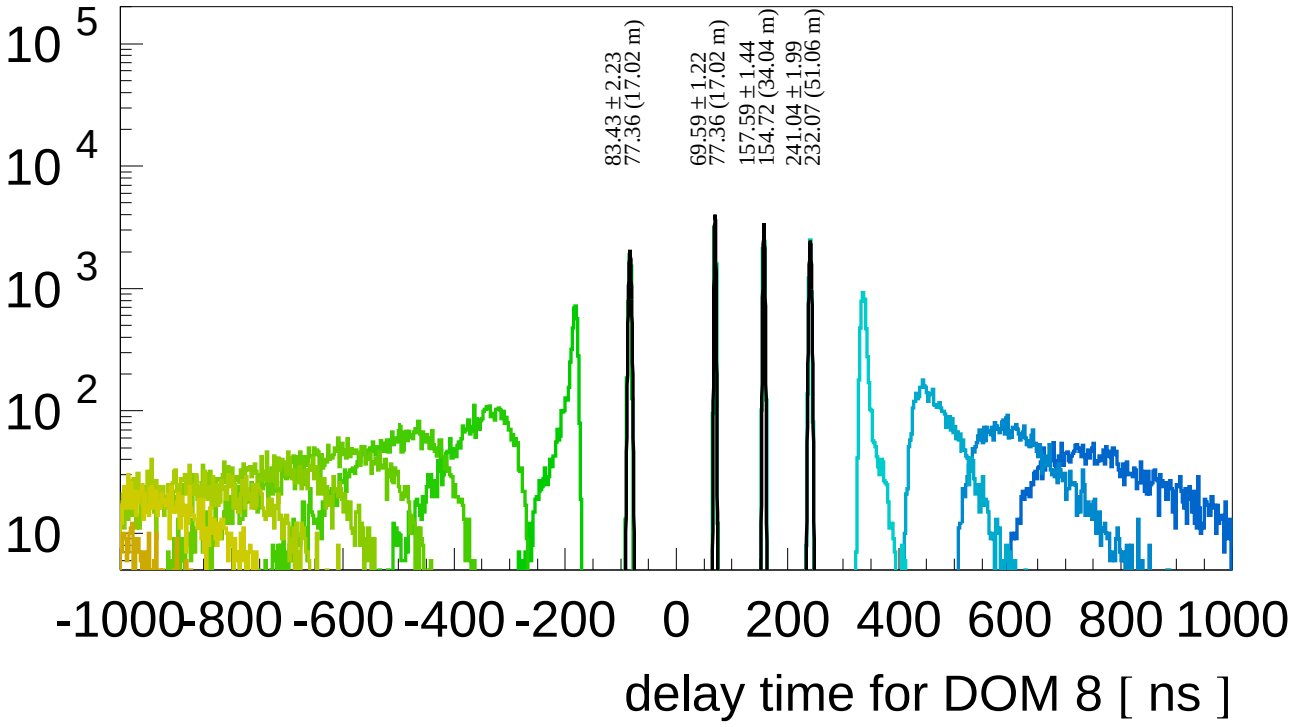

10 5
10 4
10 3
10 2
10
176.48 ± 7.93
154.72 (34.04 m)
85.23 ± 1.91
77.36 (17.02 m)
72.68 ± 1.45
77.36 (17.02 m)
158.62 ± 1.75
154.72 (34.04 m)
-1000 -800 -600 -400 -200 0 200 400 600 800 1000
delay time for DOM 3 [ns]

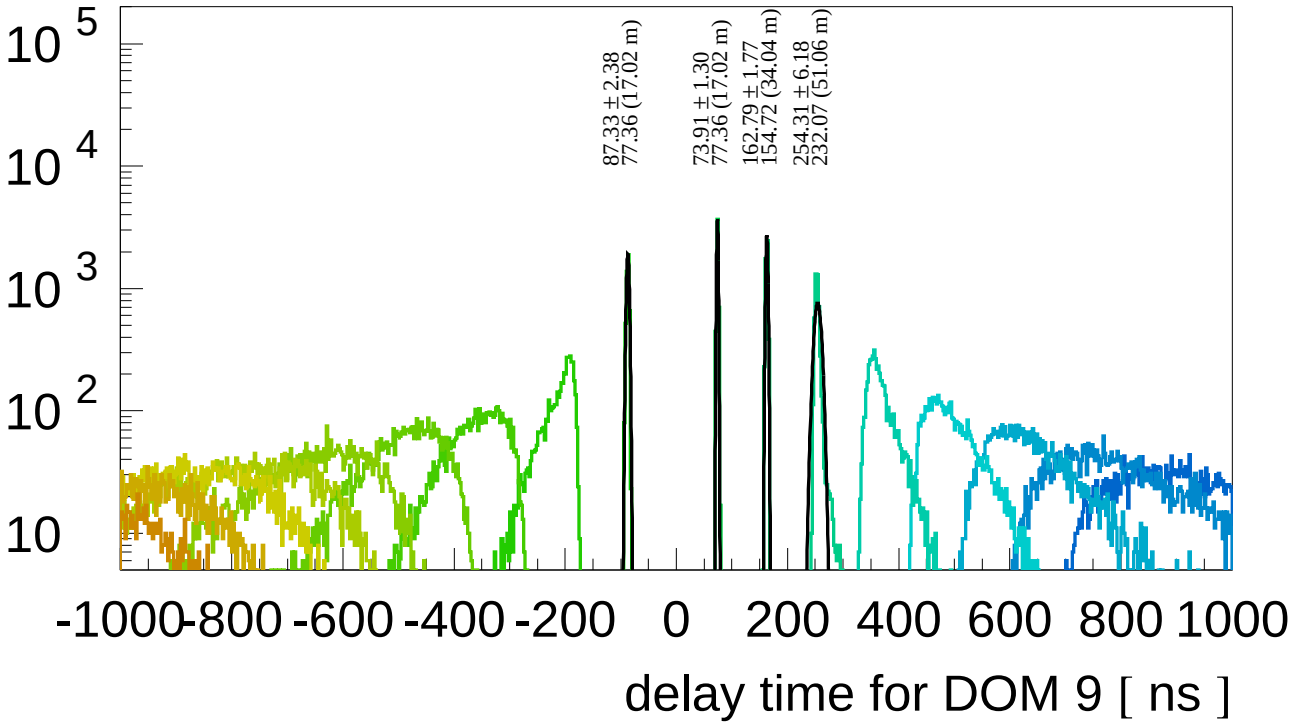

10 5
10 4
10 3
10 2
10
169.01 ± 6.66
154.72 (34.04 m)
78.62 ± 1.63
77.36 (17.02 m)
69.84 ± 1.37
77.36 (17.02 m)
159.98 ± 1.67
154.72 (34.04 m)
247.93 ± 3.23
232.07 (51.06 m)
-1000 -800 -600 -400 -200 0 200 400 600 800 1000
delay time for DOM 4 [ns]

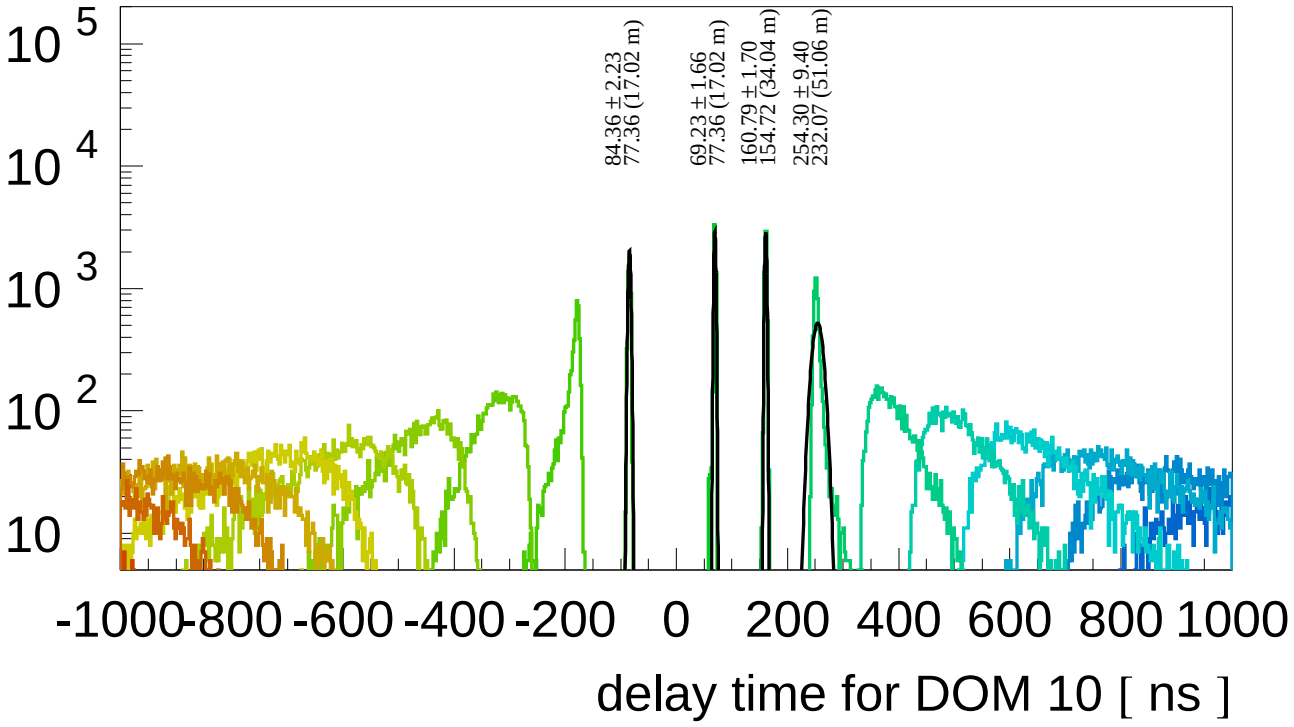

10 5
10 4
10 3
10 2
10
79.23 ± 1.70
77.36 (17.02 m)
72.07 ± 1.34
77.36 (17.02 m)
158.05 ± 1.81
154.72 (34.04 m)
249.17 ± 2.73
232.07 (51.06 m)
-1000 -800 -600 -400 -200 0 200 400 600 800 1000
delay time for DOM 5 [ns]

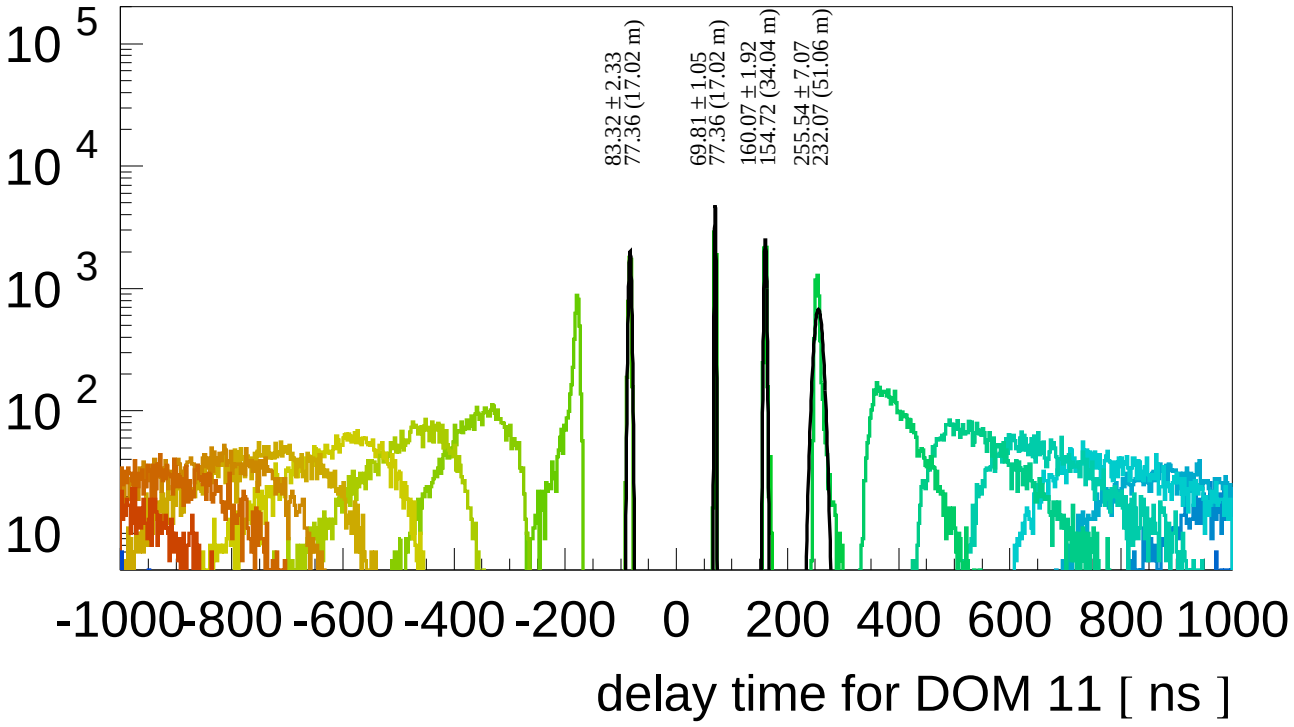

10 5
10 4
10 3
10 2
10
79.21 ± 1.73
77.36 (17.02 m)
68.30 ± 1.20
77.36 (17.02 m)
154.95 ± 1.28
154.72 (34.04 m)
240.96 ± 2.02
232.07 (51.06 m)
-1000 -800 -600 -400 -200 0 200 400 600 800 1000
delay time for DOM 6 [ns]

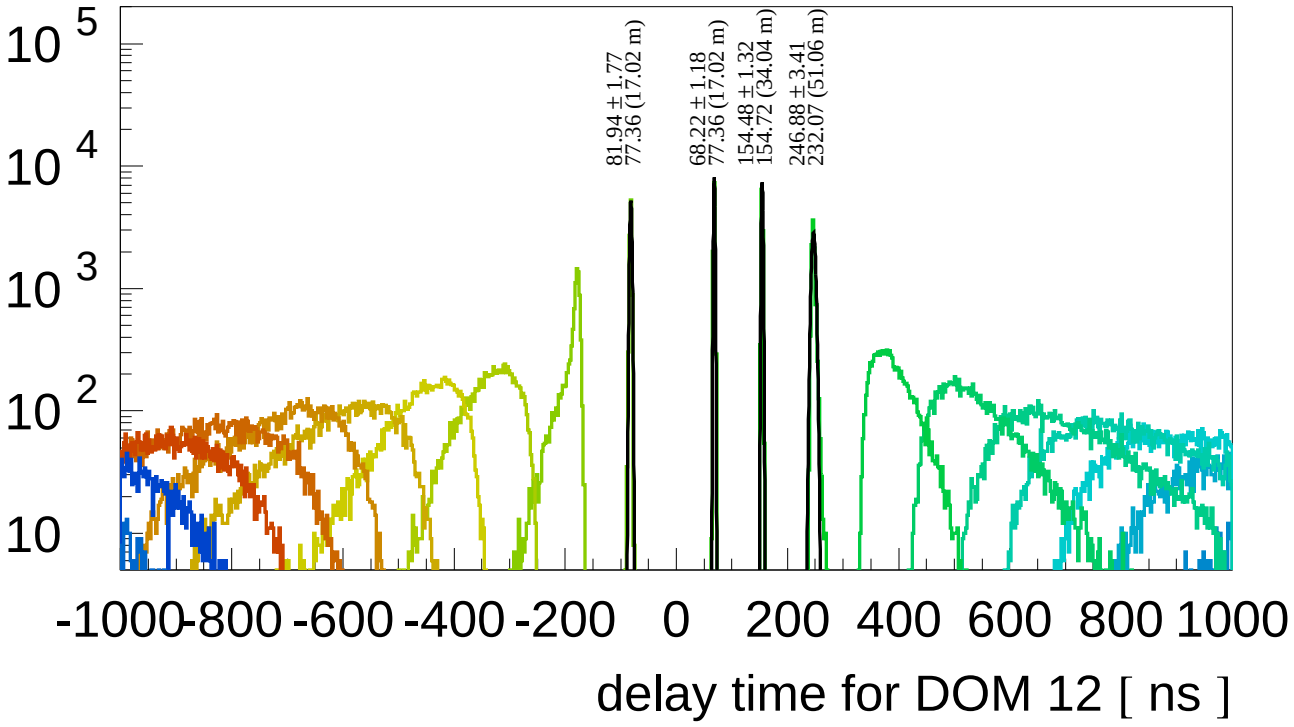

10 5
10 4
10 3
10 2
10
86.18 ± 2.27
77.36 (17.02 m)
70.60 ± 1.25
77.36 (17.02 m)
154.13 ± 1.48
154.72 (34.04 m)
241.95 ± 1.88
232.07 (51.06 m)
336.80 ± 9.27
309.43 (68.08 m)
-1000 -800 -600 -400 -200 0 200 400 600 800 1000
delay time for DOM 7 [ns]

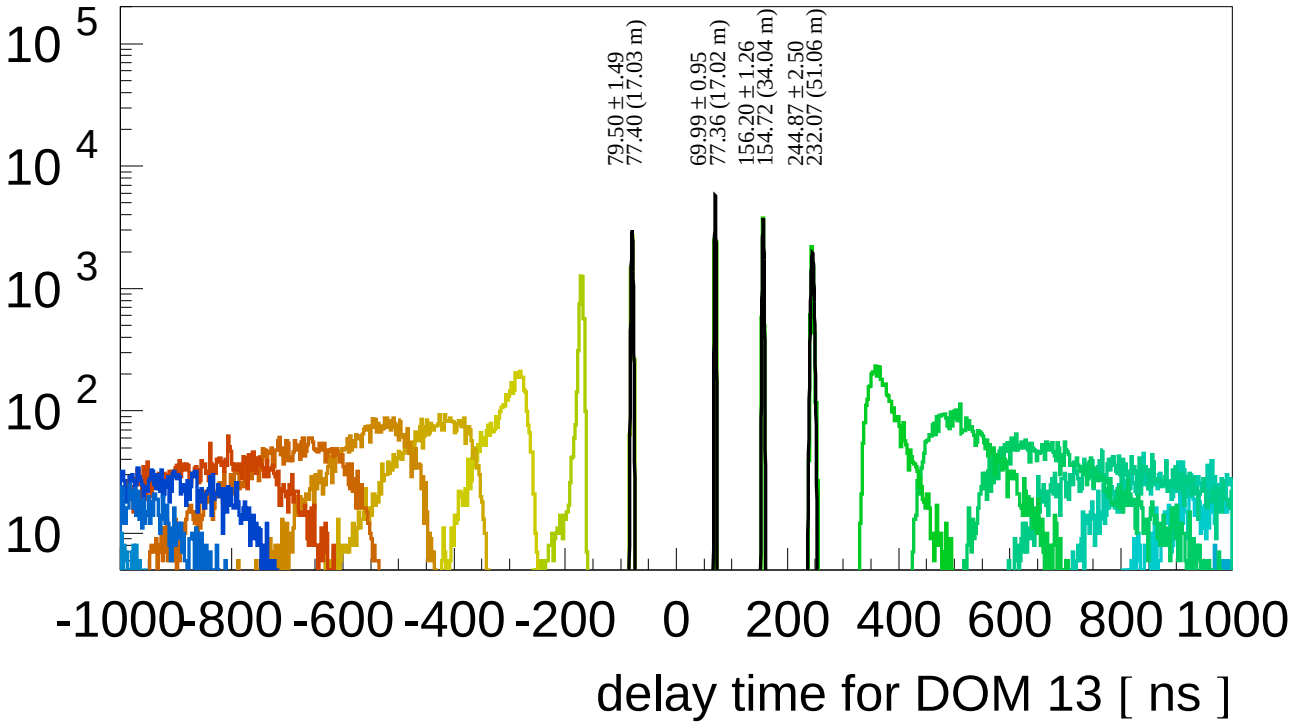

10 5
10 4
10 3
10 2
10
83.43 ± 2.23
77.36 (17.02 m)
69.59 ± 1.22
77.36 (17.02 m)
157.59 ± 1.44
154.72 (34.04 m)
241.04 ± 1.99
232.07 (51.06 m)
-1000 -800 -600 -400 -200 0 200 400 600 800 1000
delay time for DOM 8 [ns]

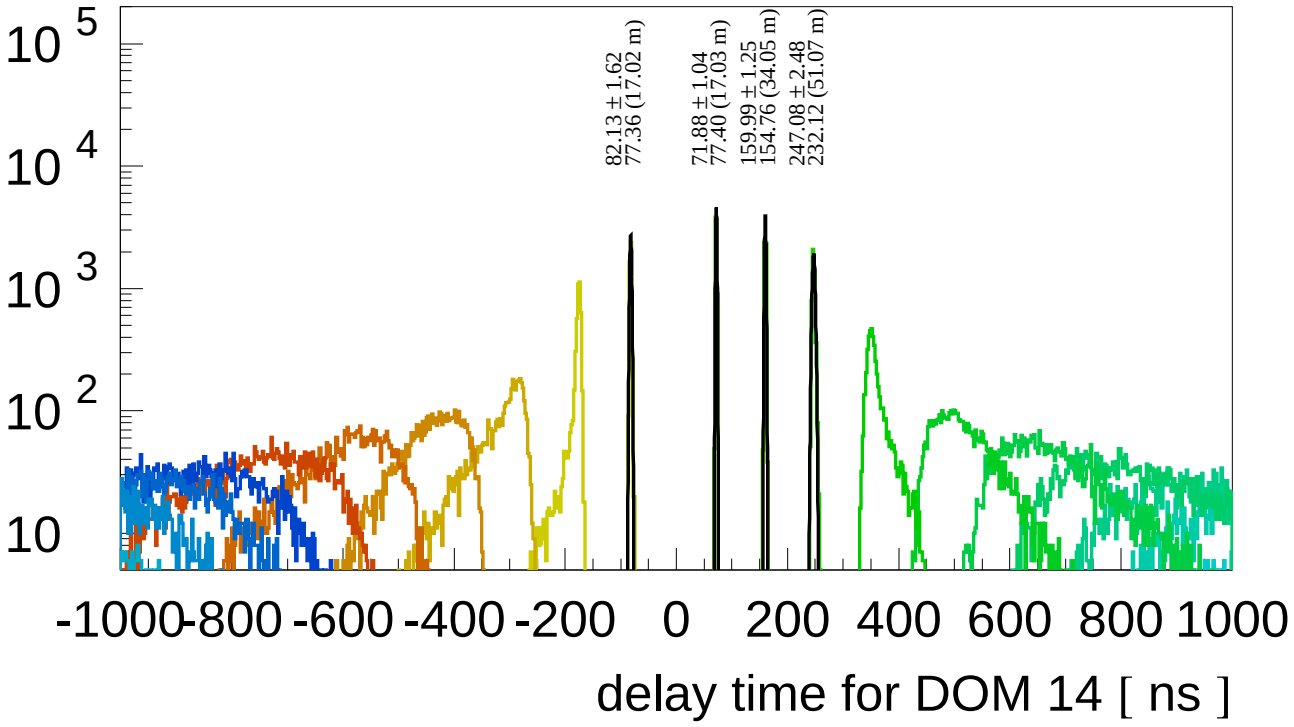

10 5
10 4
10 3
10 2
10
87.33 ± 2.38
77.36 (17.02 m)
73.91 ± 1.30
77.36 (17.02 m)
162.79 ± 1.77
154.72 (34.04 m)
254.31 ± 6.18
232.07 (51.06 m)
-1000 -800 -600 -400 -200 0 200 400 600 800 1000
delay time for DOM 9 [ns]

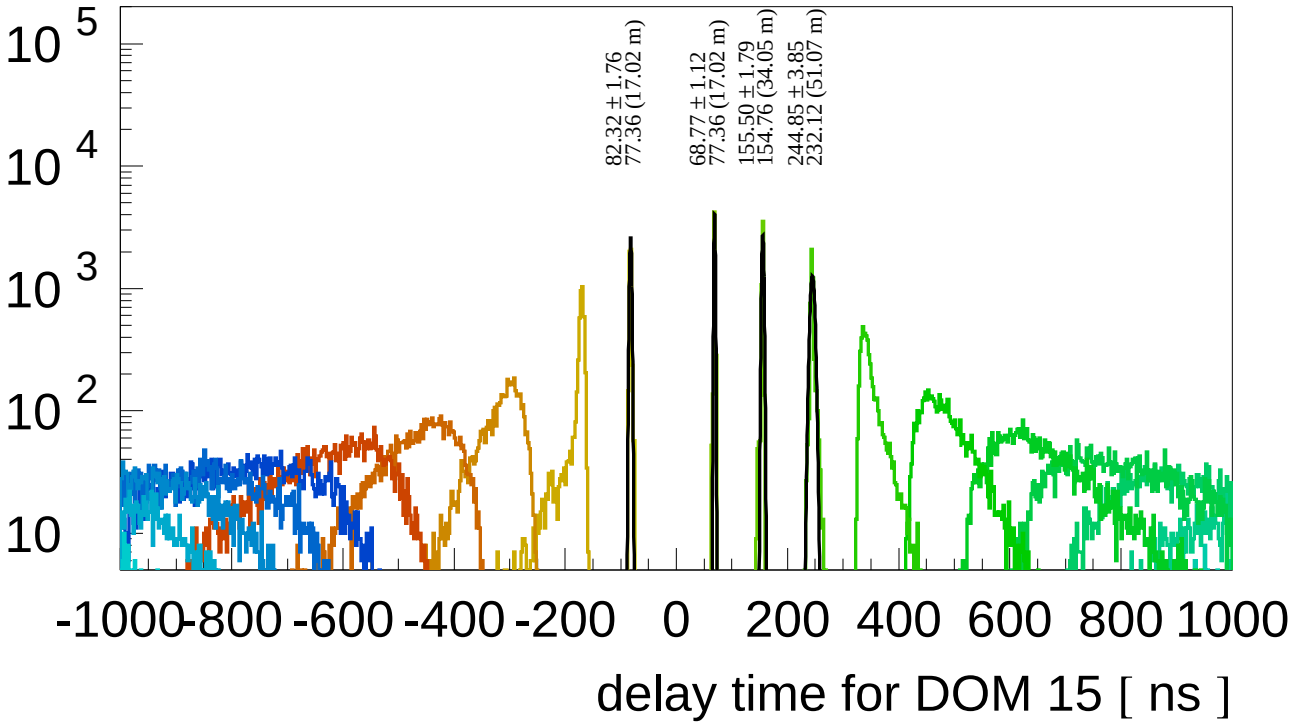

10 5
10 4
10 3
10 2
10
84.36 ± 2.23
77.36 (17.02 m)
69.23 ± 1.66
77.36 (17.02 m)
160.79 ± 1.70
154.72 (34.04 m)
254.30 ± 9.40
232.07 (51.06 m)
-1000 -800 -600 -400 -200 0 200 400 600 800 1000
delay time for DOM 10 [ns]

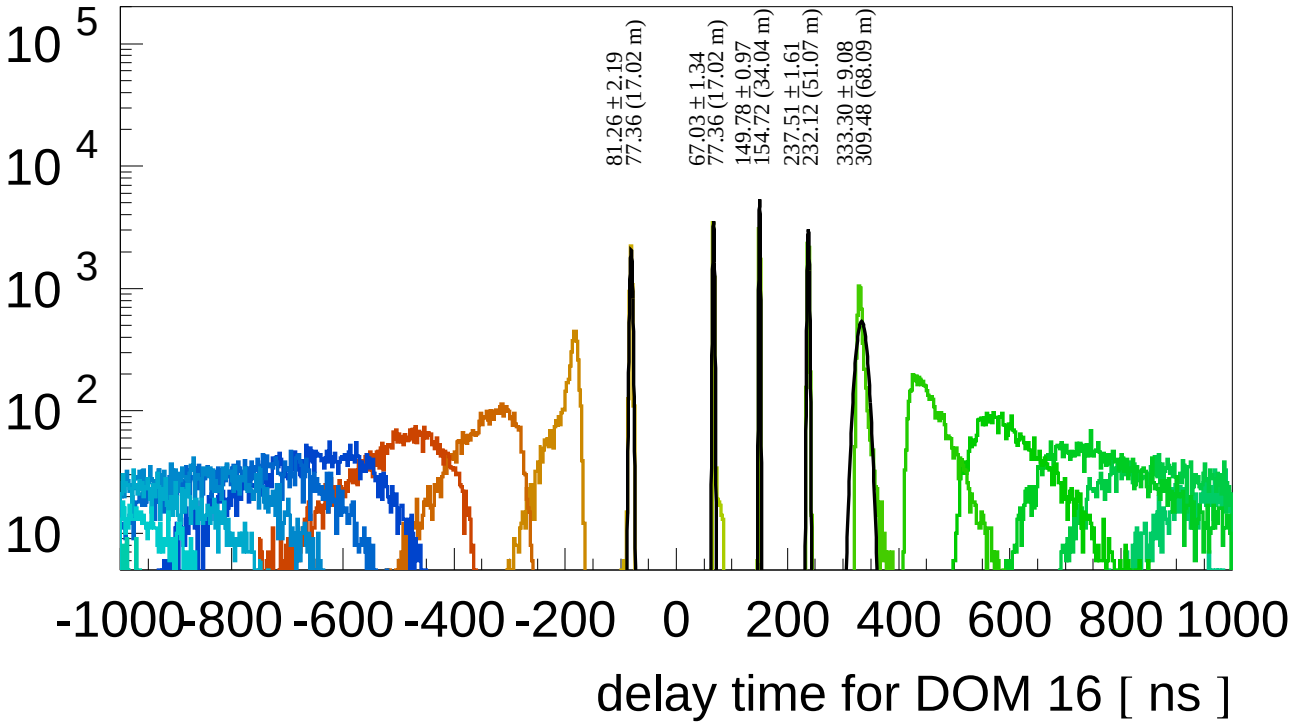

10 5
10 4
10 3
10 2
10
83.32 ± 2.33
77.36 (17.02 m)
69.81 ± 1.05
77.36 (17.02 m)
160.07 ± 1.92
154.72 (34.04 m)
255.54 ± 7.07
232.07 (51.06 m)
-1000 -800 -600 -400 -200 0 200 400 600 800 1000
delay time for DOM 11 [ns]

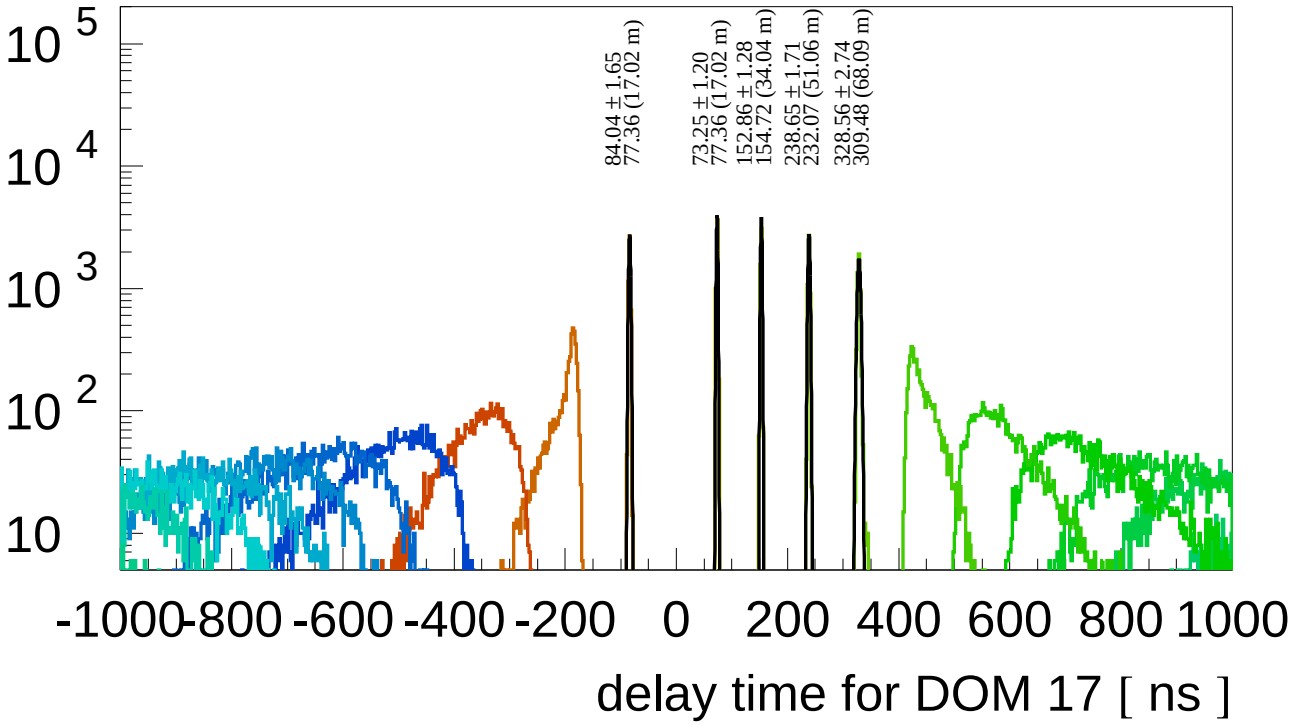

10 5
10 4
10 3
10 2
10
81.94 ± 1.77
77.36 (17.02 m)
68.22 ± 1.18
77.36 (17.02 m)
154.48 ± 1.32
154.72 (34.04 m)
246.88 ± 3.41
232.07 (51.06 m)
-1000 -800 -600 -400 -200 0 200 400 600 800 1000
delay time for DOM 12 [ns]

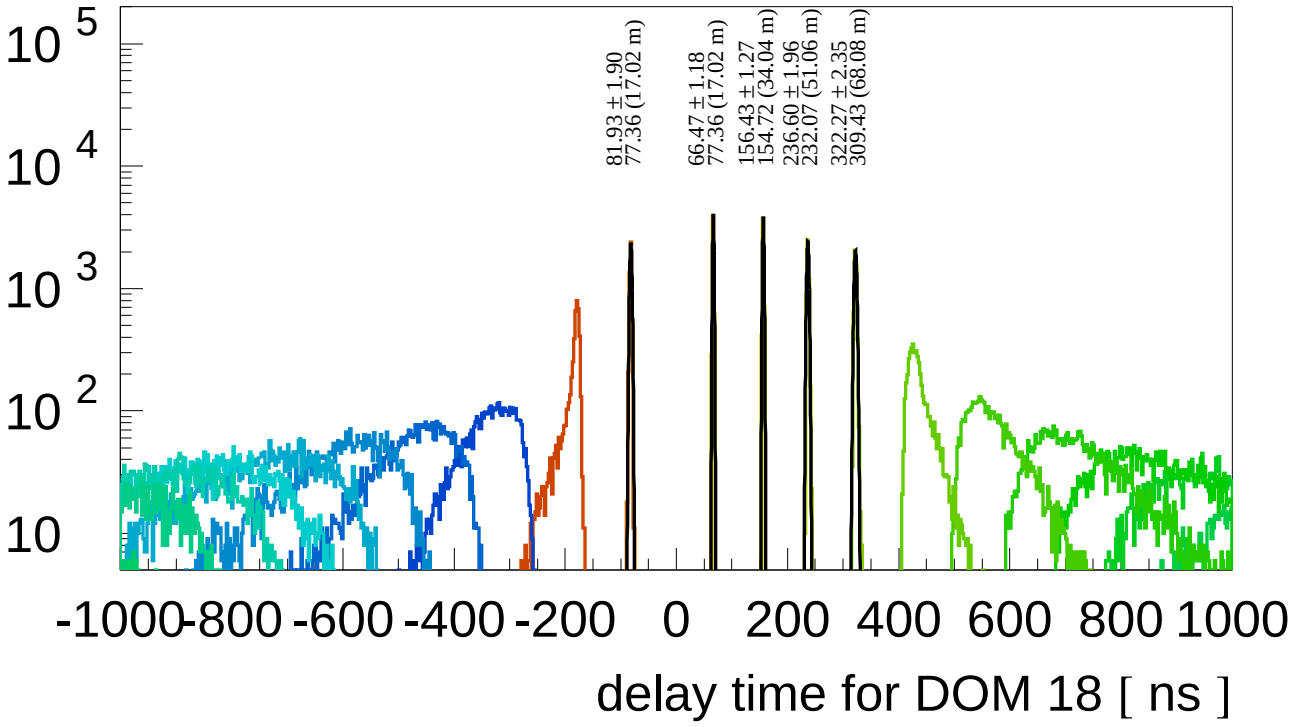

10 5
10 4
10 3
10 2
10
79.50 ± 1.49
77.40 (17.03 m)
69.99 ± 0.95
77.36 (17.02 m)
156.20 ± 1.26
154.72 (34.04 m)
244.87 ± 2.50
232.07 (51.06 m)
-1000 -800 -600 -400 -200 0 200 400 600 800 1000
delay time for DOM 13 [ns]

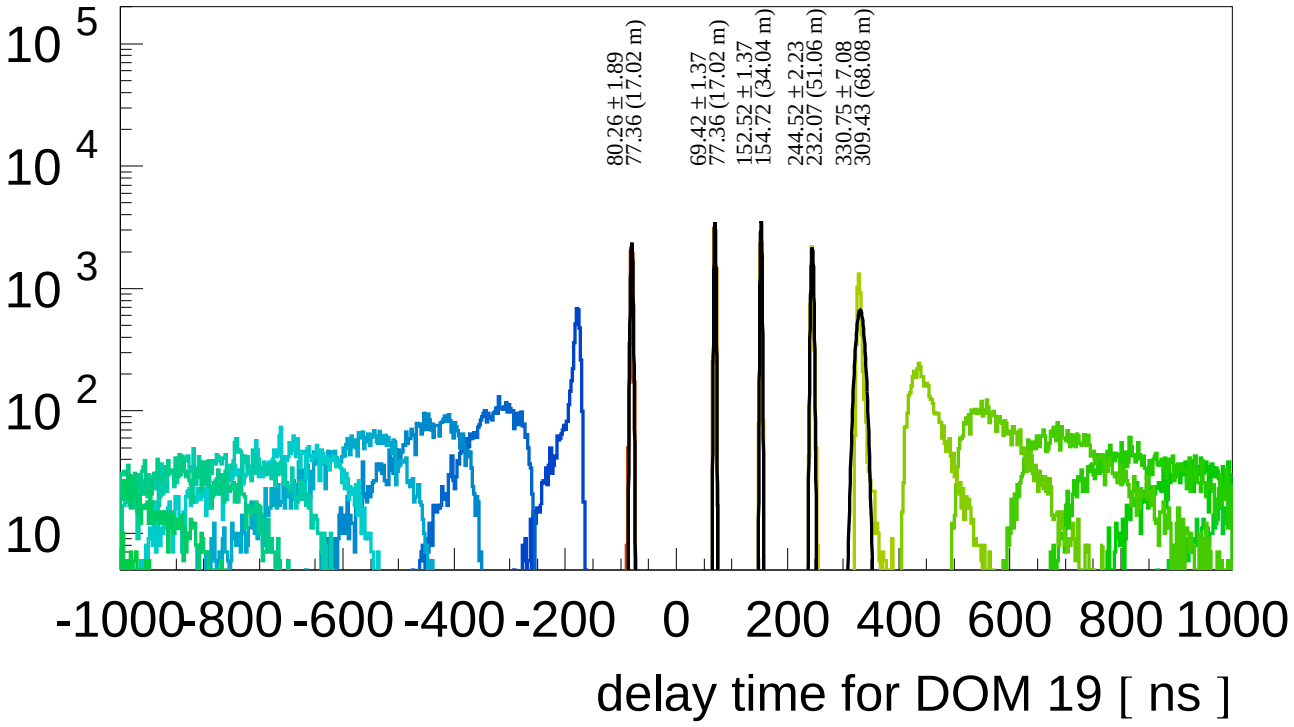

10 5
10 4
10 3
10 2
10
82.13 ± 1.62
77.36 (17.02 m)
71.88 ± 1.04
77.40 (17.03 m)
159.99 ± 1.25
154.76 (34.05 m)
247.08 ± 2.48
232.12 (51.07 m)
-1000 -800 -600 -400 -200 0 200 400 600 800 1000
delay time for DOM 14 [ns]

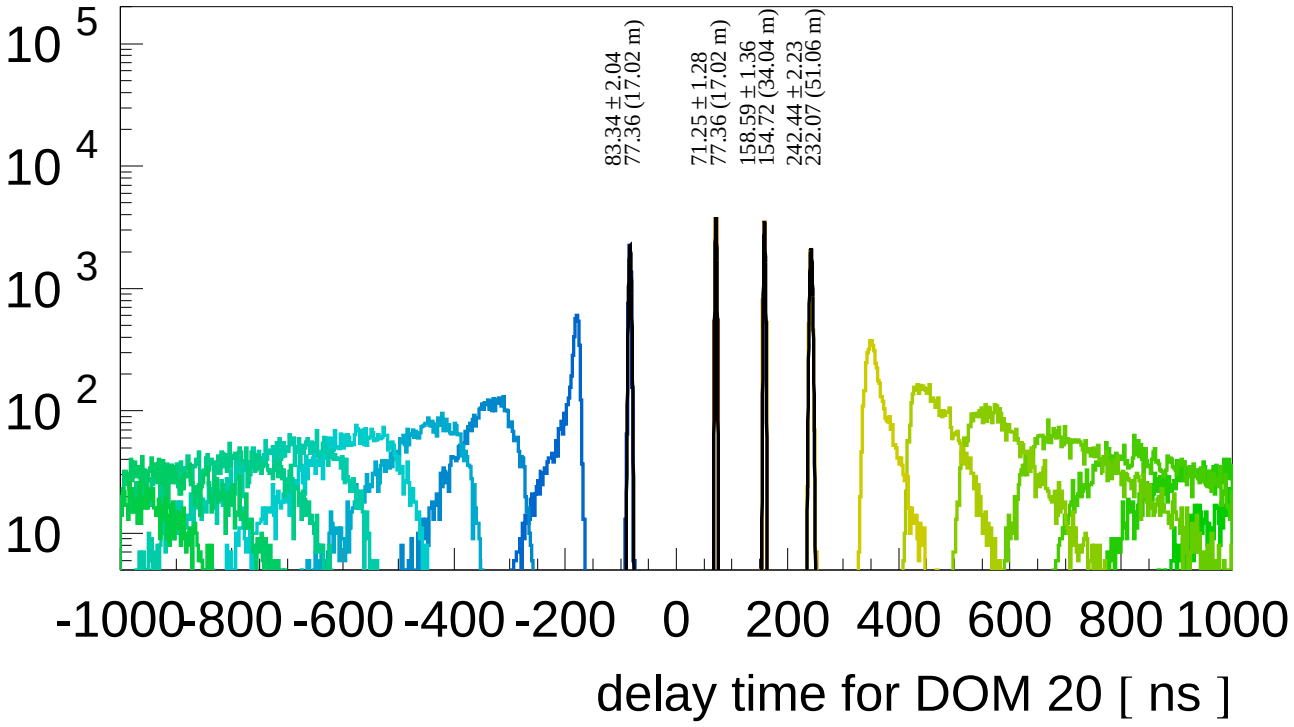

10 5
10 4
10 3
10 2
10
82.32 ± 1.76
77.36 (17.02 m)
68.77 ± 1.12
77.36 (17.02 m)
155.50 ± 1.79
154.76 (34.05 m)
244.85 ± 3.85
232.12 (51.07 m)
-1000 -800 -600 -400 -200 0 200 400 600 800 1000
delay time for DOM 15 [ns]

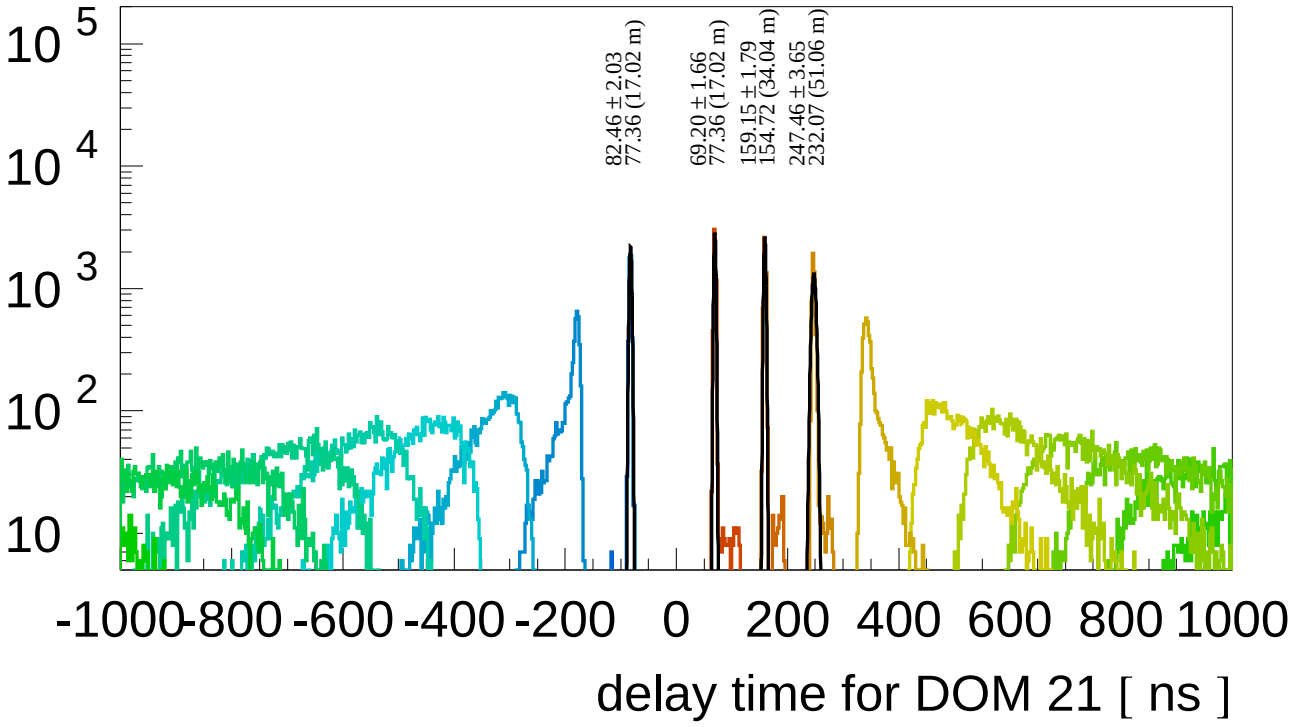

10 5
10 4
10 3
10 2
10
81.26 ± 2.19
77.36 (17.02 m)
67.03 ± 1.34
77.36 (17.02 m)
149.78 ± 0.97
154.72 (34.04 m)
237.51 ± 1.61
232.12 (51.07 m)
333.30 ± 9.08
309.48 (68.09 m)
-1000 -800 -600 -400 -200 0 200 400 600 800 1000
delay time for DOM 16 [ns]

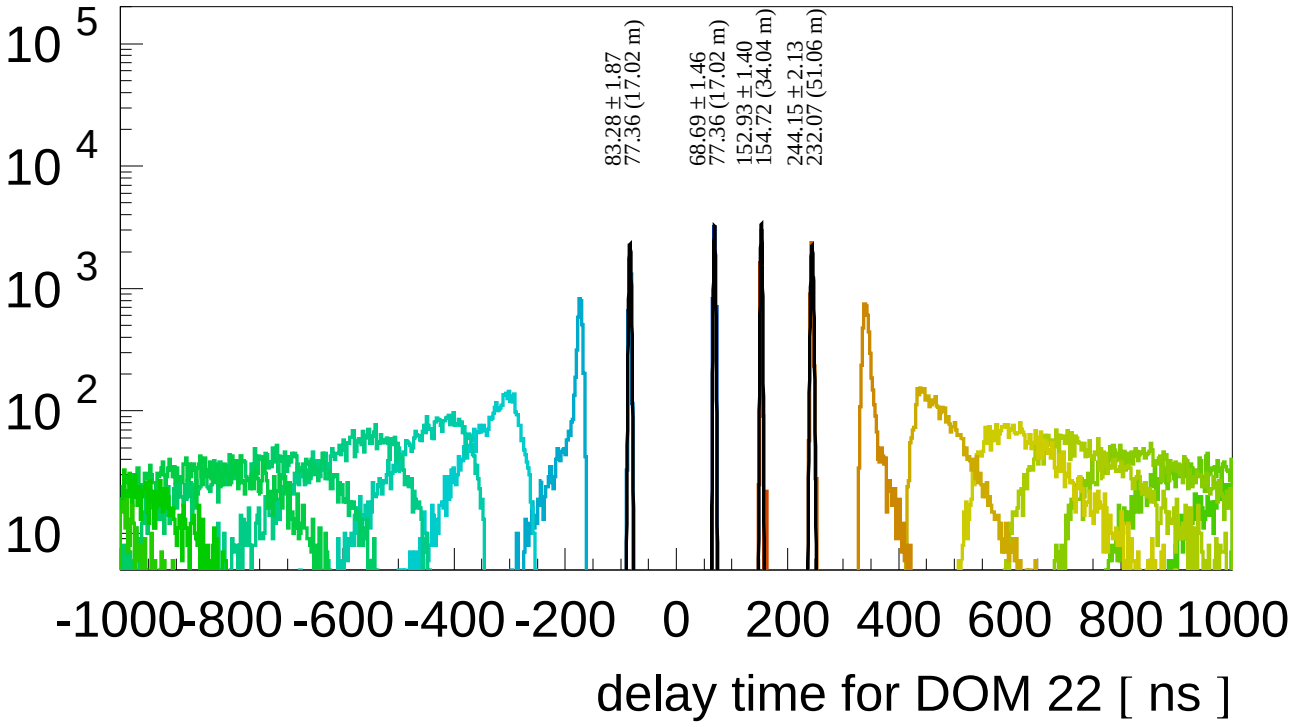

10 5
10 4
10 3
10 2
10
84.04 ± 1.65
77.36 (17.02 m)
73.25 ± 1.20
77.36 (17.02 m)
152.86 ± 1.28
154.72 (34.04 m)
238.65 ± 1.71
232.07 (51.06 m)
328.56 ± 2.74
309.48 (68.09 m)
-1000 -800 -600 -400 -200 0 200 400 600 800 1000
delay time for DOM 17 [ns]

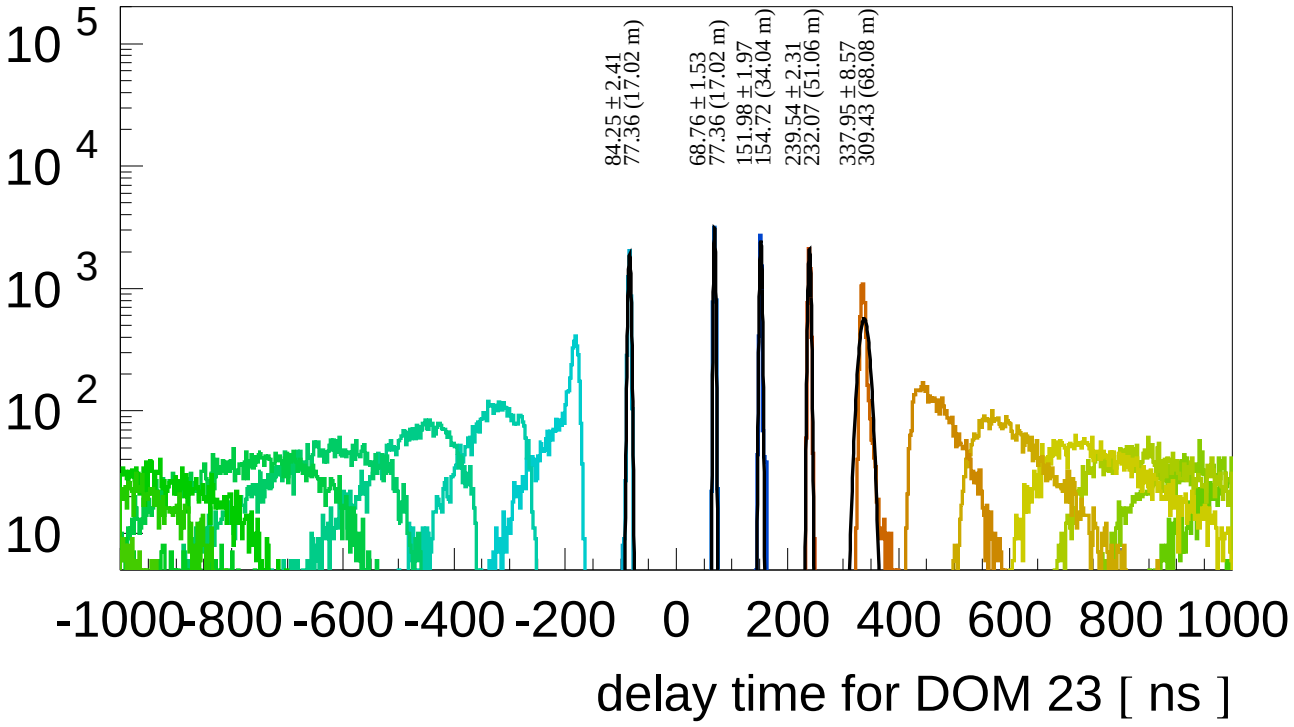

10 5
10 4
10 3
10 2
10
81.93 ± 1.90
77.36 (17.02 m)
66.47 ± 1.18
77.36 (17.02 m)
156.43 ± 1.27
154.72 (34.04 m)
236.60 ± 1.96
232.07 (51.06 m)
322.27 ± 2.35
309.43 (68.08 m)
-1000 -800 -600 -400 -200 0 200 400 600 800 1000
delay time for DOM 18 [ns]

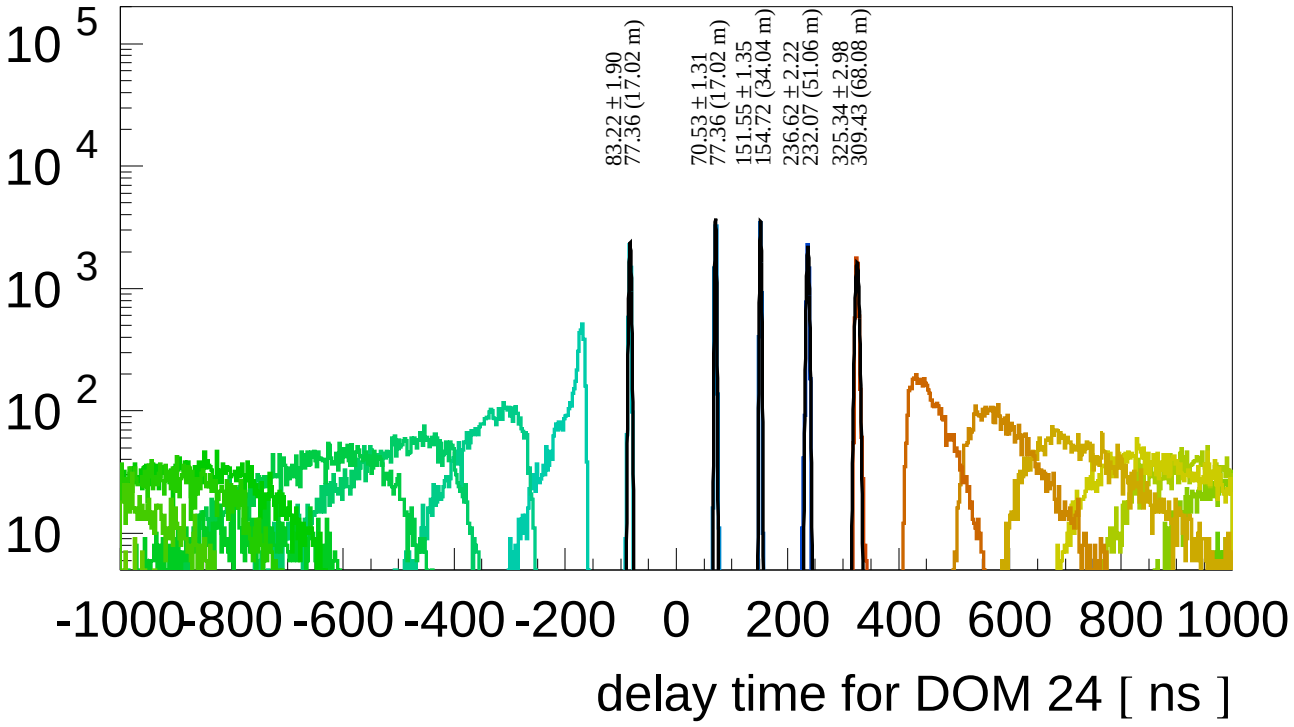

10 5
10 4
10 3
10 2
10
80.26 ± 1.89
77.36 (17.02 m)
69.42 ± 1.37
77.36 (17.02 m)
152.52 ± 1.37
154.72 (34.04 m)
244.52 ± 2.23
232.07 (51.06 m)
330.75 ± 7.08
309.43 (68.08 m)
-1000 -800 -600 -400 -200 0 200 400 600 800 1000
delay time for DOM 19 [ns]

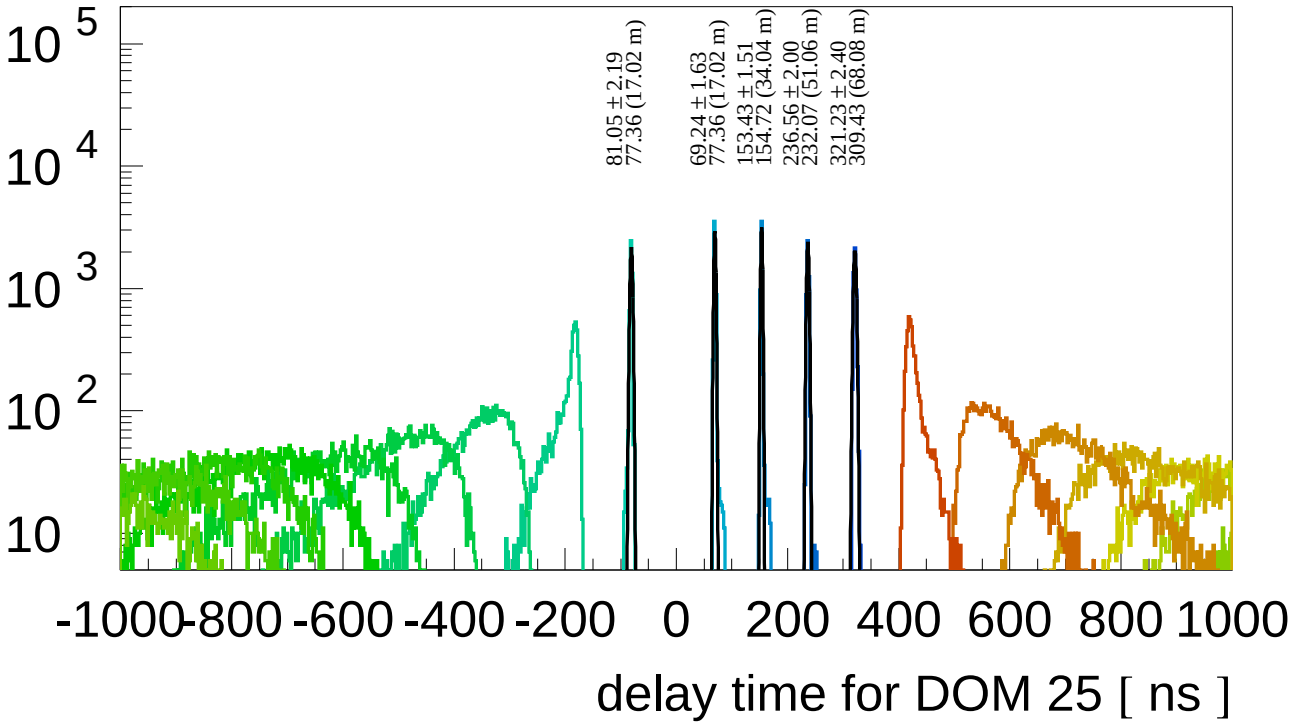

10 5
10 4
10 3
10 2
10
83.34 ± 2.04
77.36 (17.02 m)
71.25 ± 1.28
77.36 (17.02 m)
158.59 ± 1.36
154.72 (34.04 m)
242.44 ± 2.23
232.07 (51.06 m)
-1000 -800 -600 -400 -200 0 200 400 600 800 1000
delay time for DOM 20 [ns]

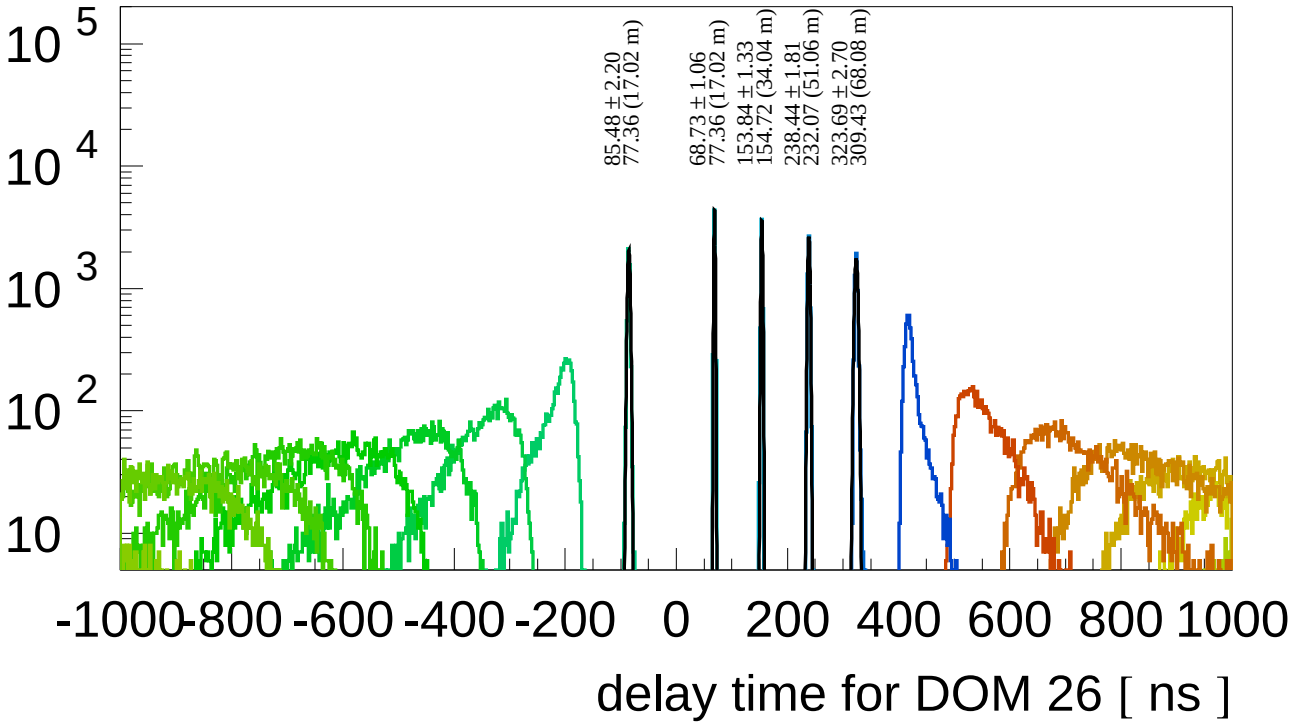

10 5
10 4
10 3
10 2
10
82.46 ± 2.03
77.36 (17.02 m)
69.20 ± 1.66
77.36 (17.02 m)
159.15 ± 1.79
154.72 (34.04 m)
247.46 ± 3.65
232.07 (51.06 m)
-1000 -800 -600 -400 -200 0 200 400 600 800 1000
delay time for DOM 21 [ns]

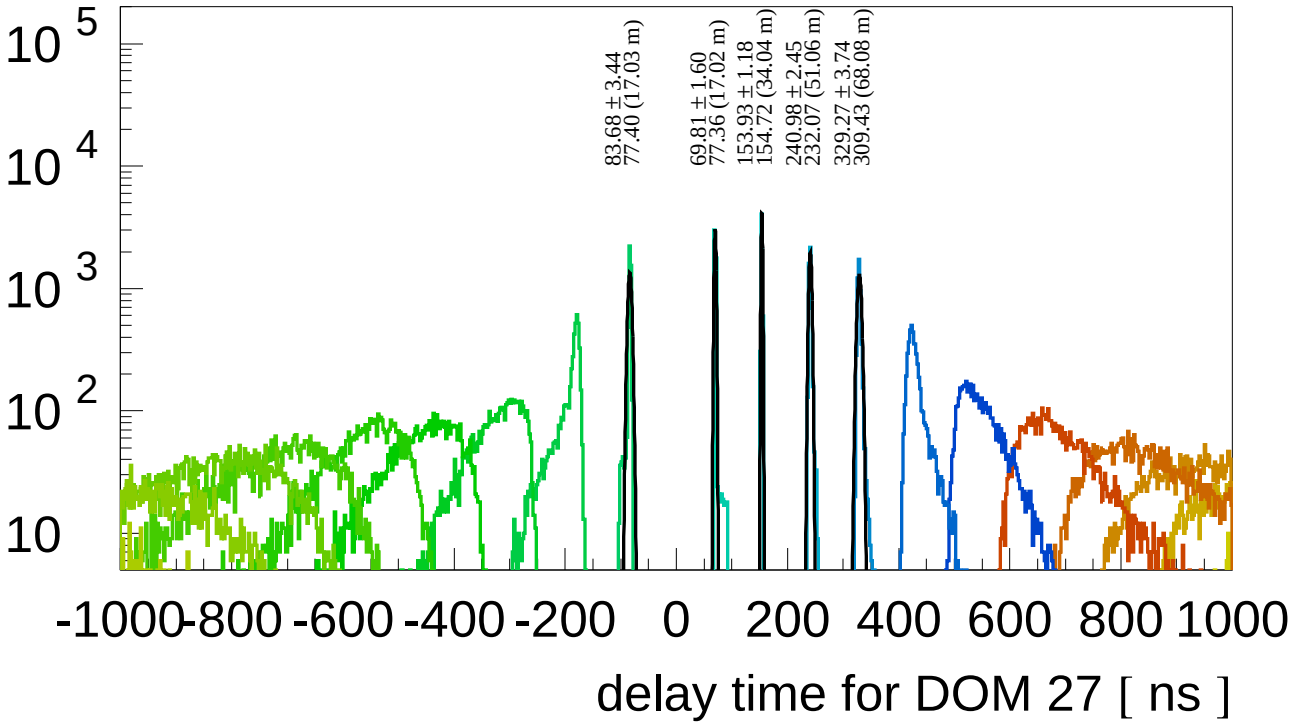

10 5
10 4
10 3
10 2
10
83.28 ± 1.87
77.36 (17.02 m)
68.69 ± 1.46
77.36 (17.02 m)
152.93 ± 1.40
154.72 (34.04 m)
244.15 ± 2.13
232.07 (51.06 m)
-1000 -800 -600 -400 -200 0 200 400 600 800 1000
delay time for DOM 22 [ns]

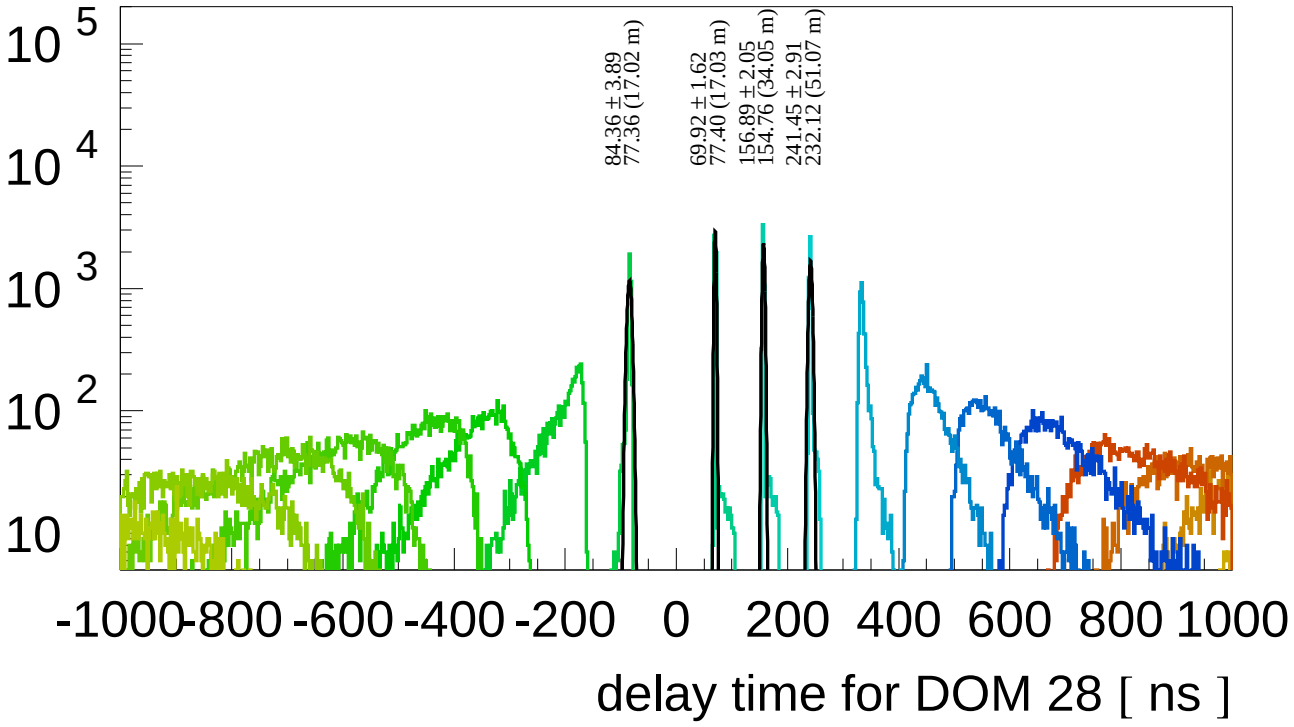

10 5
10 4
10 3
10 2
10
84.25 ± 2.41
77.36 (17.02 m)
68.76 ± 1.53
77.36 (17.02 m)
151.98 ± 1.97
154.72 (34.04 m)
239.54 ± 2.31
232.07 (51.06 m)
337.95 ± 8.57
309.43 (68.08 m)
-1000 -800 -600 -400 -200 0 200 400 600 800 1000
delay time for DOM 23 [ns]

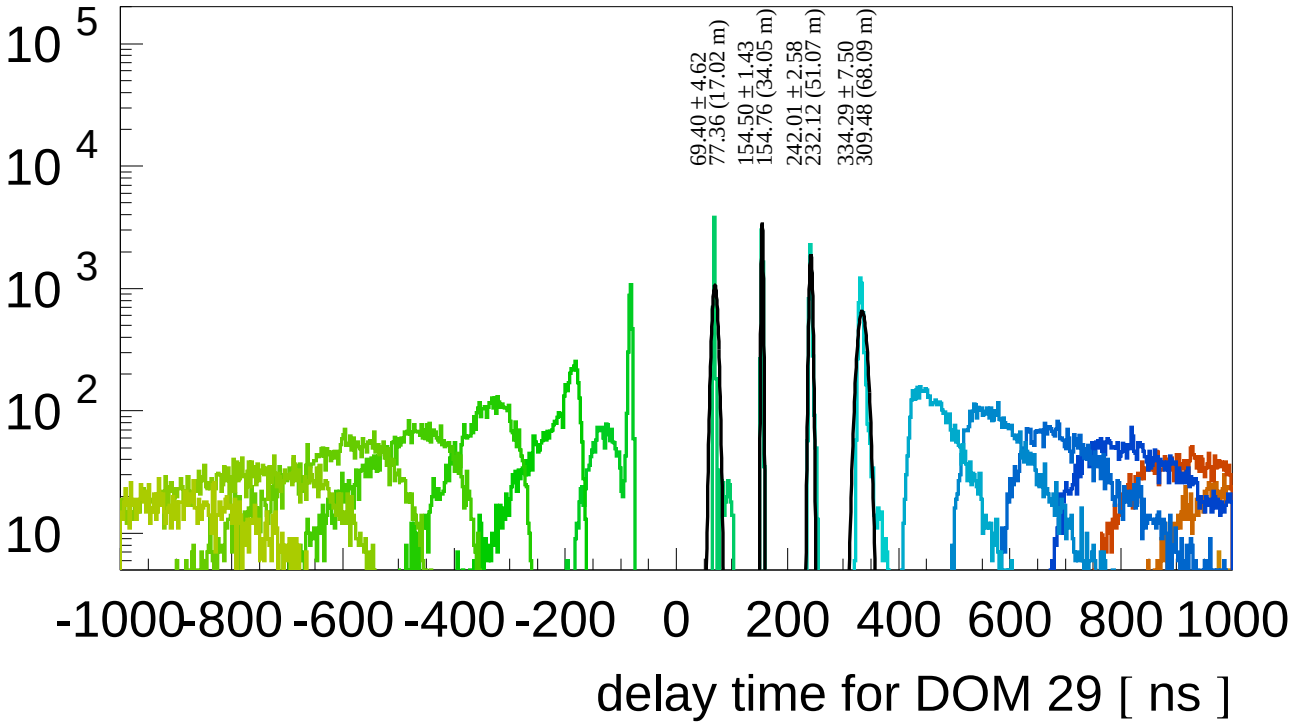

10 5
10 4
10 3
10 2
10
83.22 ± 1.90
77.36 (17.02 m)
70.53 ± 1.31
77.36 (17.02 m)
151.55 ± 1.35
154.72 (34.04 m)
236.62 ± 2.22
232.07 (51.06 m)
325.34 ± 2.98
309.43 (68.08 m)
-1000 -800 -600 -400 -200 0 200 400 600 800 1000
delay time for DOM 24 [ns]

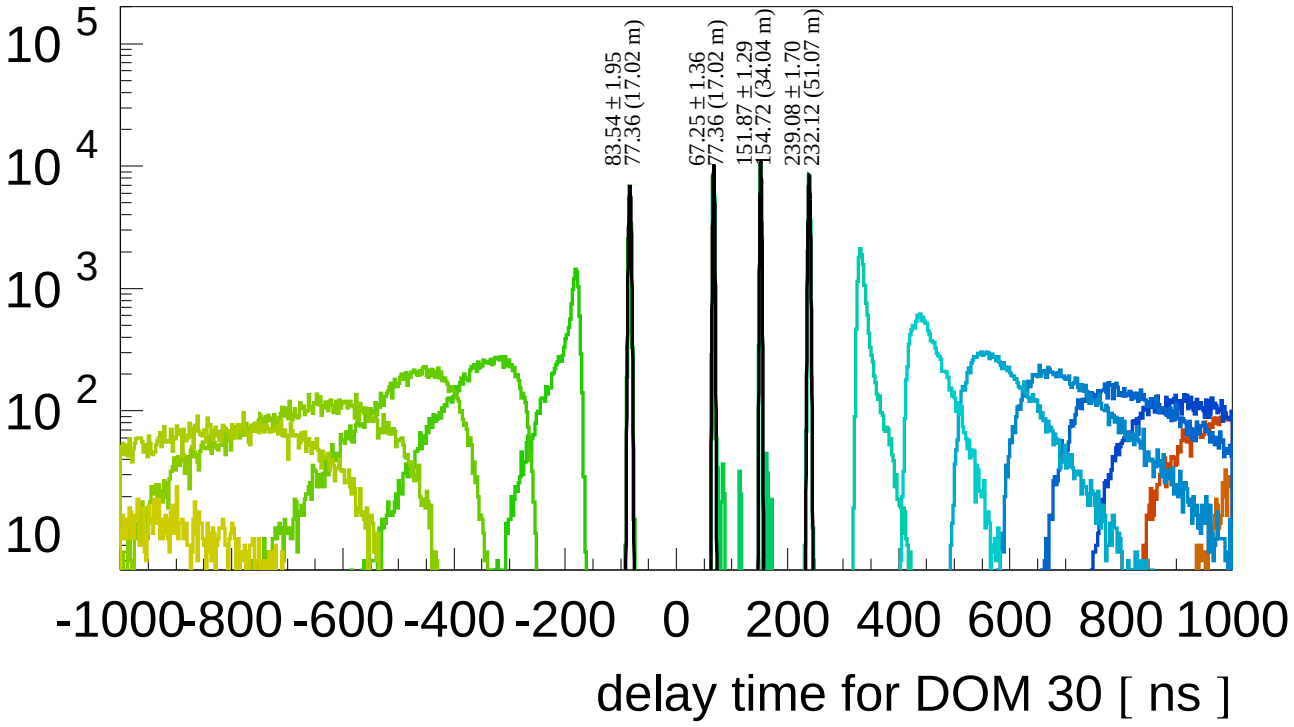

10 5
10 4
10 3
10 2
10
81.05 ± 2.19
77.36 (17.02 m)
69.24 ± 1.63
77.36 (17.02 m)
153.43 ± 1.51
154.72 (34.04 m)
236.56 ± 2.00
232.07 (51.06 m)
321.23 ± 2.40
309.43 (68.08 m)
-1000 -800 -600 -400 -200 0 200 400 600 800 1000
delay time for DOM 25 [ns]

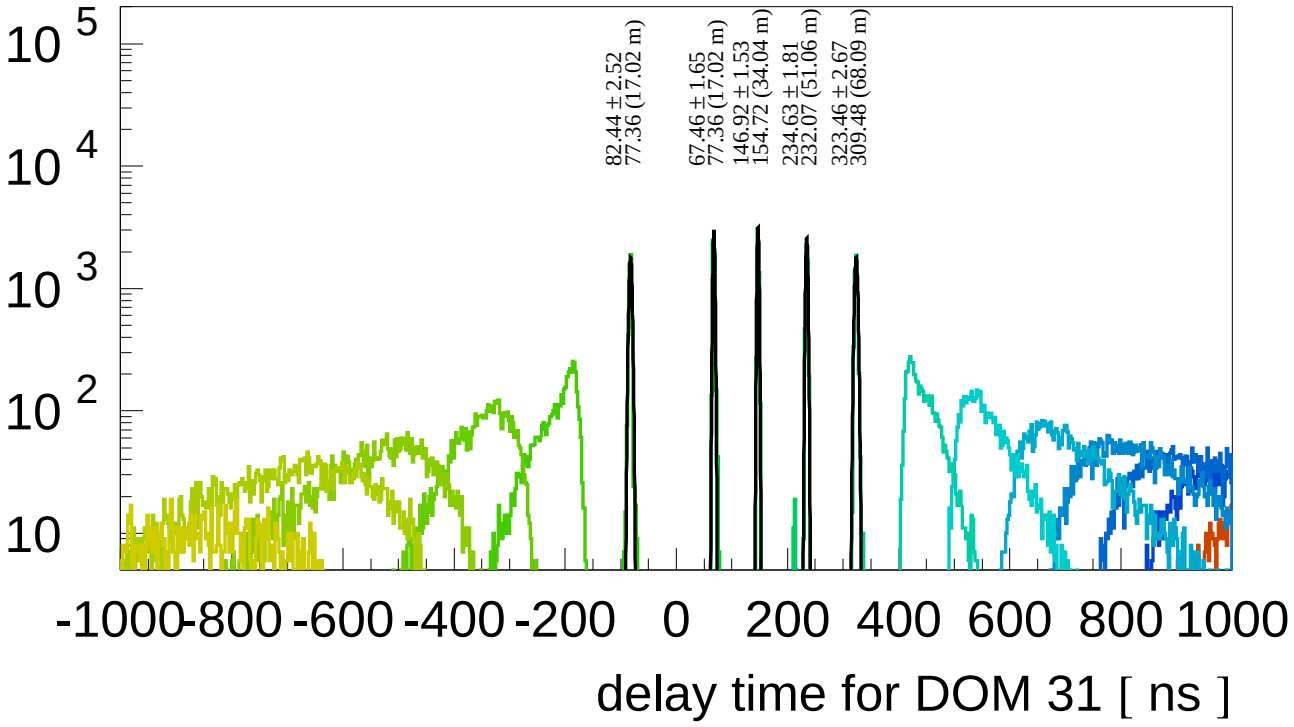

10 5
10 4
10 3
10 2
10
85.48 ± 2.20
77.36 (17.02 m)
68.73 ± 1.06
77.36 (17.02 m)
153.84 ± 1.33
154.72 (34.04 m)
238.44 ± 1.81
232.07 (51.06 m)
323.69 ± 2.70
309.43 (68.08 m)
-1000 -800 -600 -400 -200 0 200 400 600 800 1000
delay time for DOM 26 [ns]

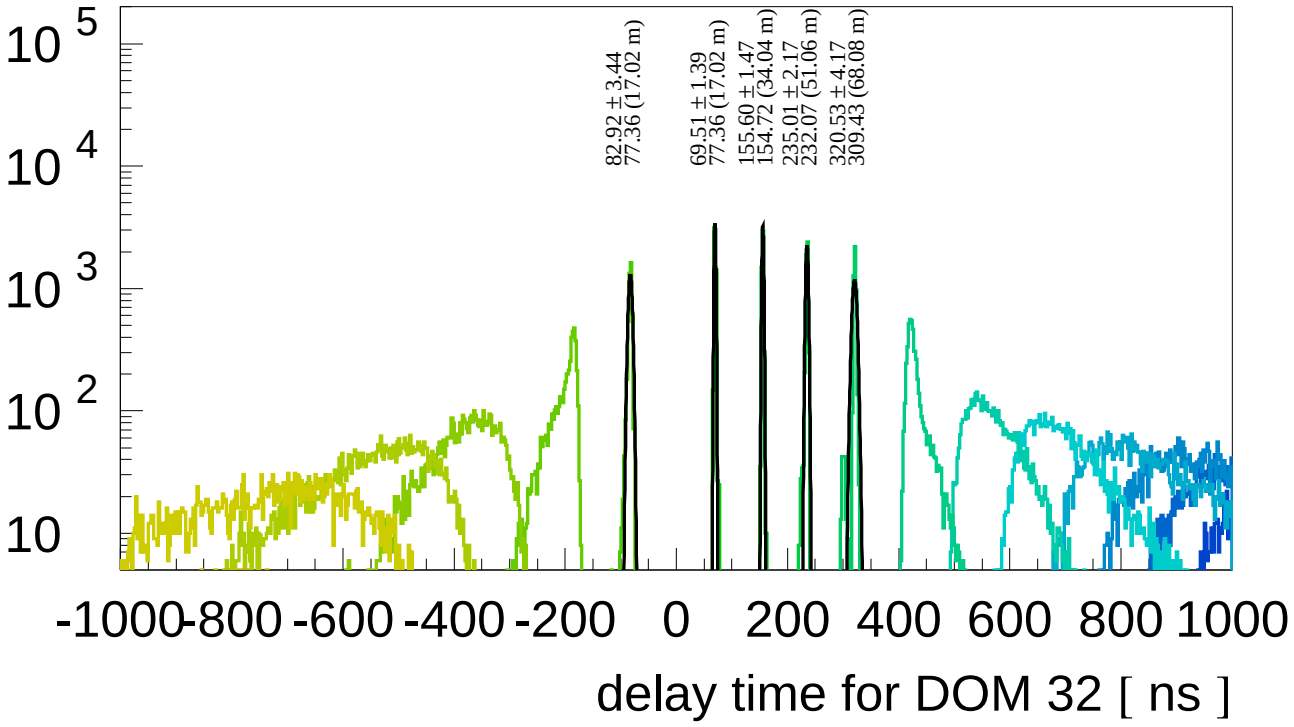

10 5
10 4
10 3
10 2
10
83.68 ± 3.44
77.40 (17.03 m)
69.81 ± 1.60
77.36 (17.02 m)
153.93 ± 1.18
154.72 (34.04 m)
240.98 ± 2.45
232.07 (51.06 m)
329.27 ± 3.74
309.43 (68.08 m)
-1000 -800 -600 -400 -200 0 200 400 600 800 1000
delay time for DOM 27 [ns]

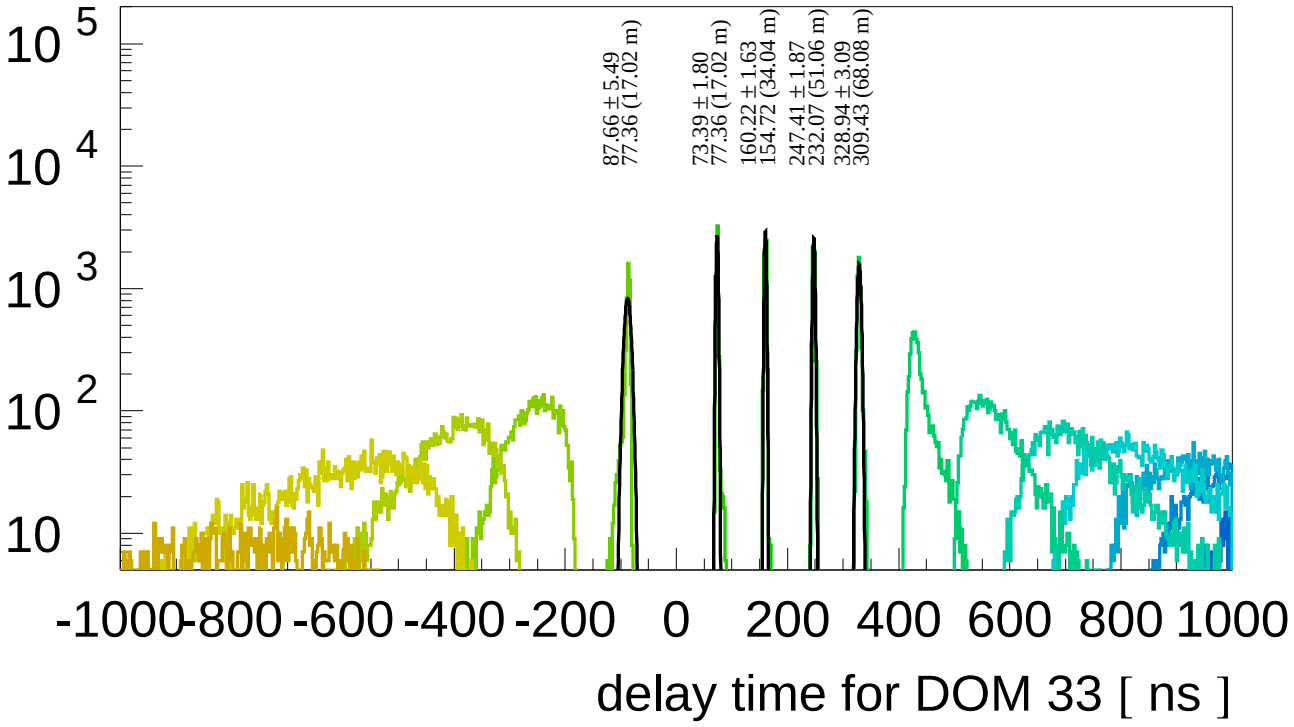

10 5
10 4
10 3
10 2
10
84.36 ± 3.89
77.36 (17.02 m)
69.92 ± 1.62
77.40 (17.03 m)
156.89 ± 2.05
154.76 (34.05 m)
241.45 ± 2.91
232.12 (51.07 m)
-1000 -800 -600 -400 -200 0 200 400 600 800 1000
delay time for DOM 28 [ns]

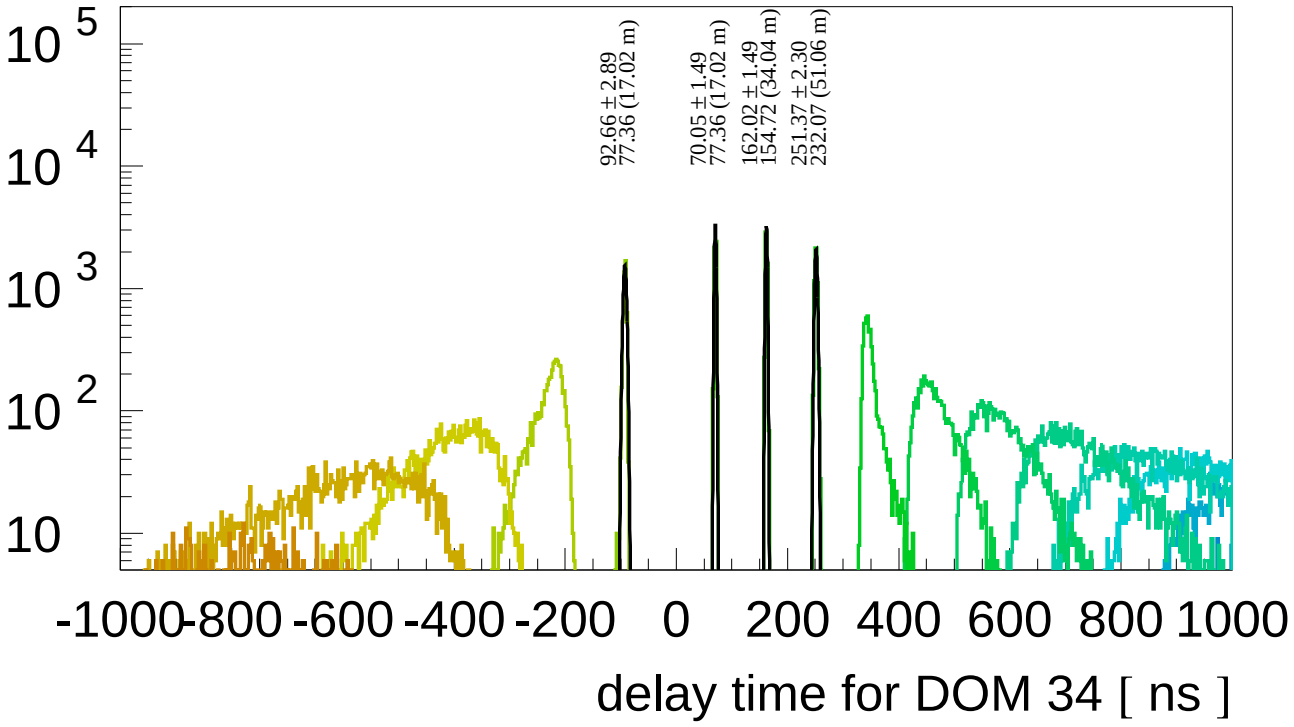

10 5
10 4
10 3
10 2
10
69.40 ± 4.62
77.36 (17.02 m)
154.50 ± 1.43
154.76 (34.05 m)
242.01 ± 2.58
232.12 (51.07 m)
334.29 ± 7.50
309.48 (68.09 m)
-1000 -800 -600 -400 -200 0 200 400 600 800 1000
delay time for DOM 29 [ns]

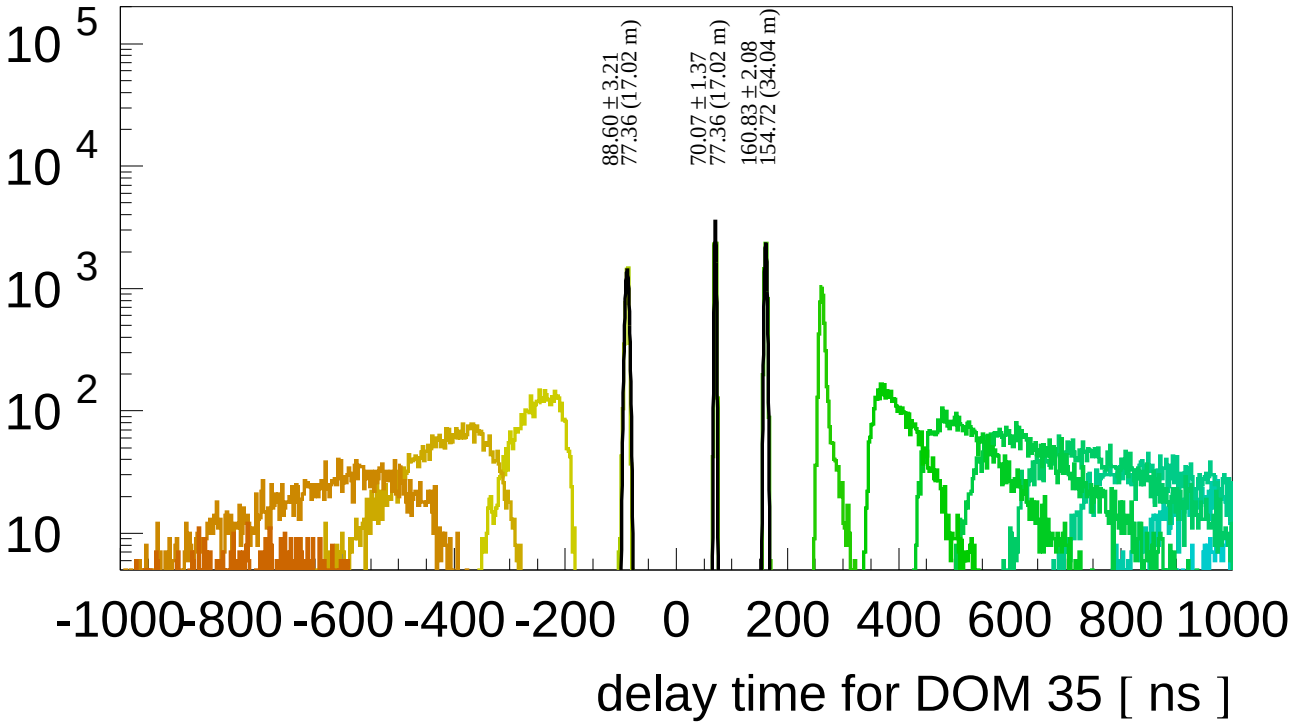

10 5
10 4
10 3
10 2
10
83.54 ± 1.95
77.36 (17.02 m)
67.25 ± 1.36
77.36 (17.02 m)
151.87 ± 1.29
154.72 (34.04 m)
239.08 ± 1.70
232.12 (51.07 m)
-1000 -800 -600 -400 -200 0 200 400 600 800 1000
delay time for DOM 30 [ns]

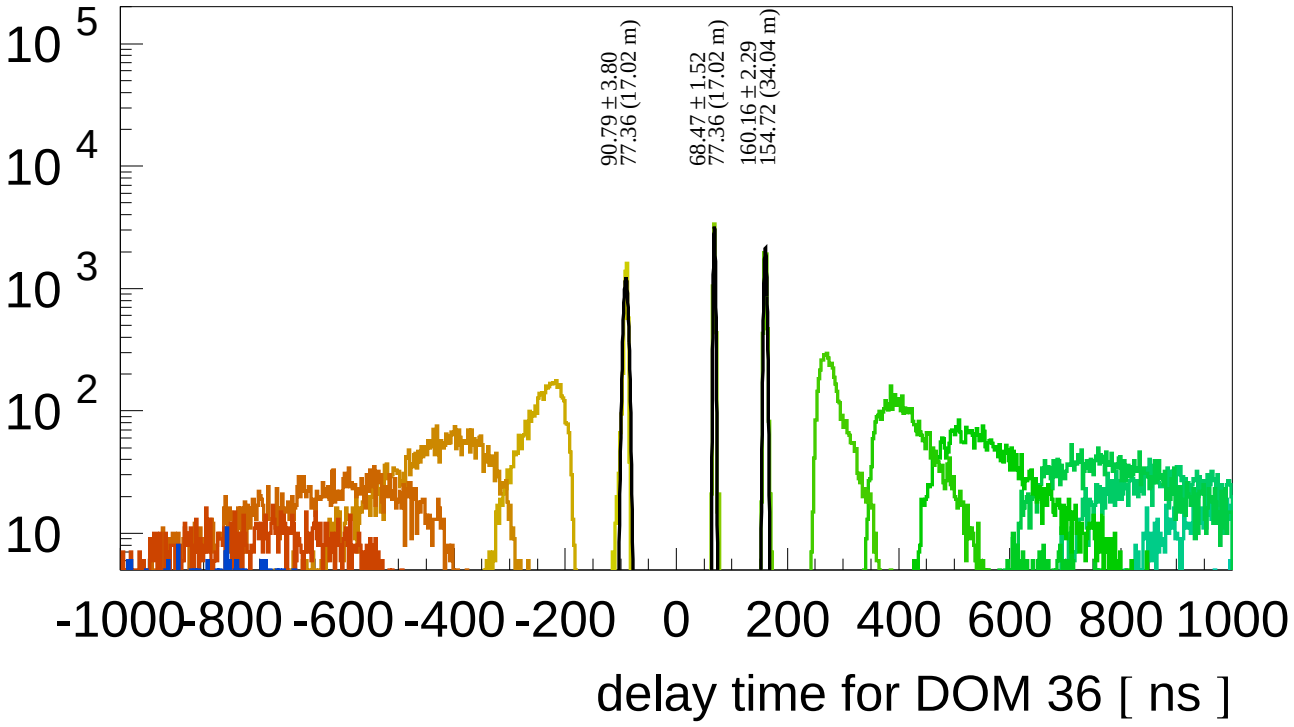

10 5
10 4
10 3
10 2
10
82.44 ± 2.52
77.36 (17.02 m)
67.46 ± 1.65
77.36 (17.02 m)
146.92 ± 1.53
154.72 (34.04 m)
234.63 ± 1.81
232.07 (51.06 m)
323.46 ± 2.67
309.48 (68.09 m)
-1000 -800 -600 -400 -200 0 200 400 600 800 1000
delay time for DOM 31 [ns]

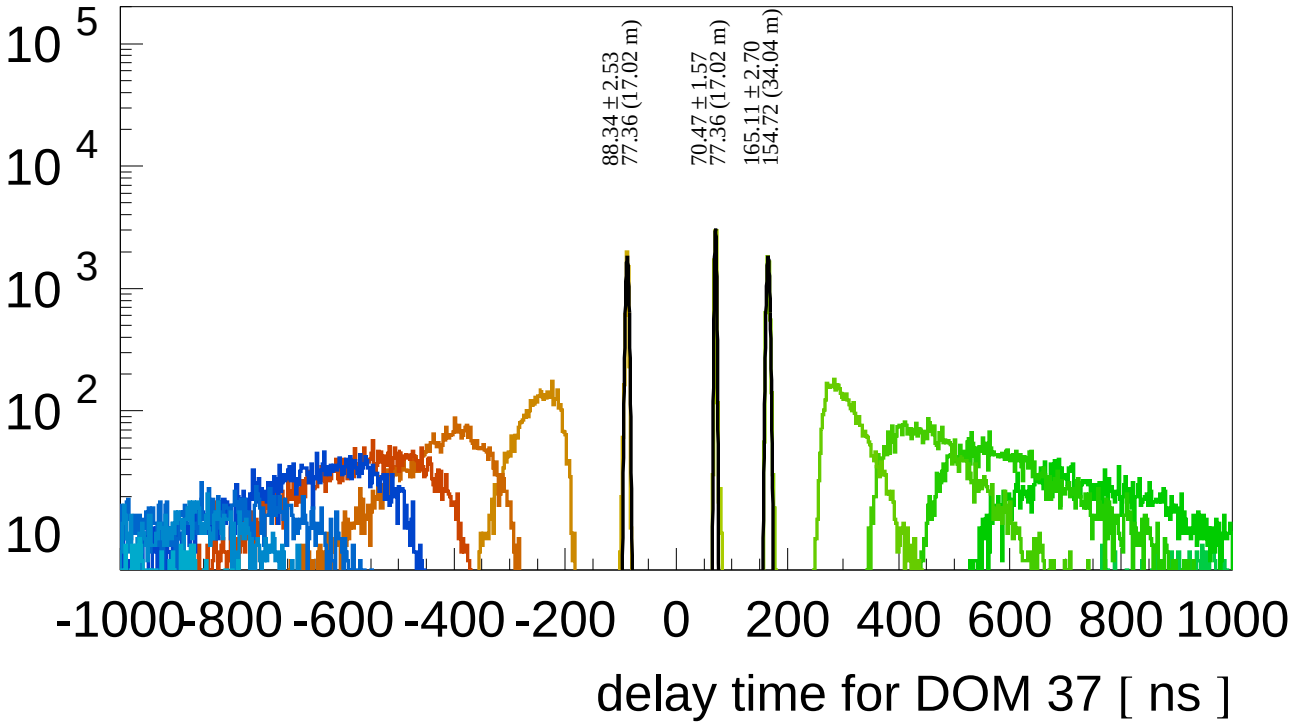

10 5
10 4
10 3
10 2
10
82.92 ± 3.44
77.36 (17.02 m)
69.51 ± 1.39
77.36 (17.02 m)
155.60 ± 1.47
154.72 (34.04 m)
235.01 ± 2.17
232.07 (51.06 m)
320.53 ± 4.17
309.43 (68.08 m)
-1000 -800 -600 -400 -200 0 200 400 600 800 1000
delay time for DOM 32 [ns]

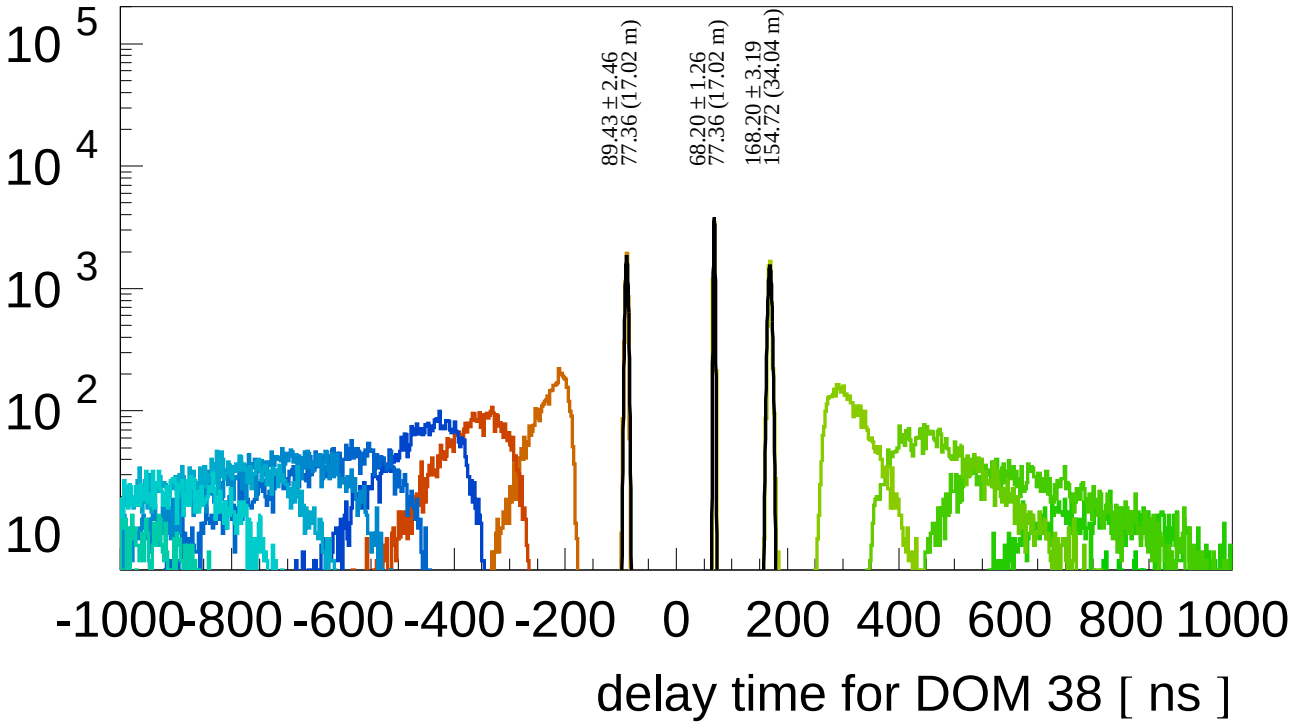

10 5
10 4
10 3
10 2
10
87.66 ± 5.49
77.36 (17.02 m)
73.39 ± 1.80
77.36 (17.02 m)
160.22 ± 1.63
154.72 (34.04 m)
247.41 ± 1.87
232.07 (51.06 m)
328.94 ± 3.09
309.43 (68.08 m)
-1000 -800 -600 -400 -200 0 200 400 600 800 1000
delay time for DOM 33 [ns]

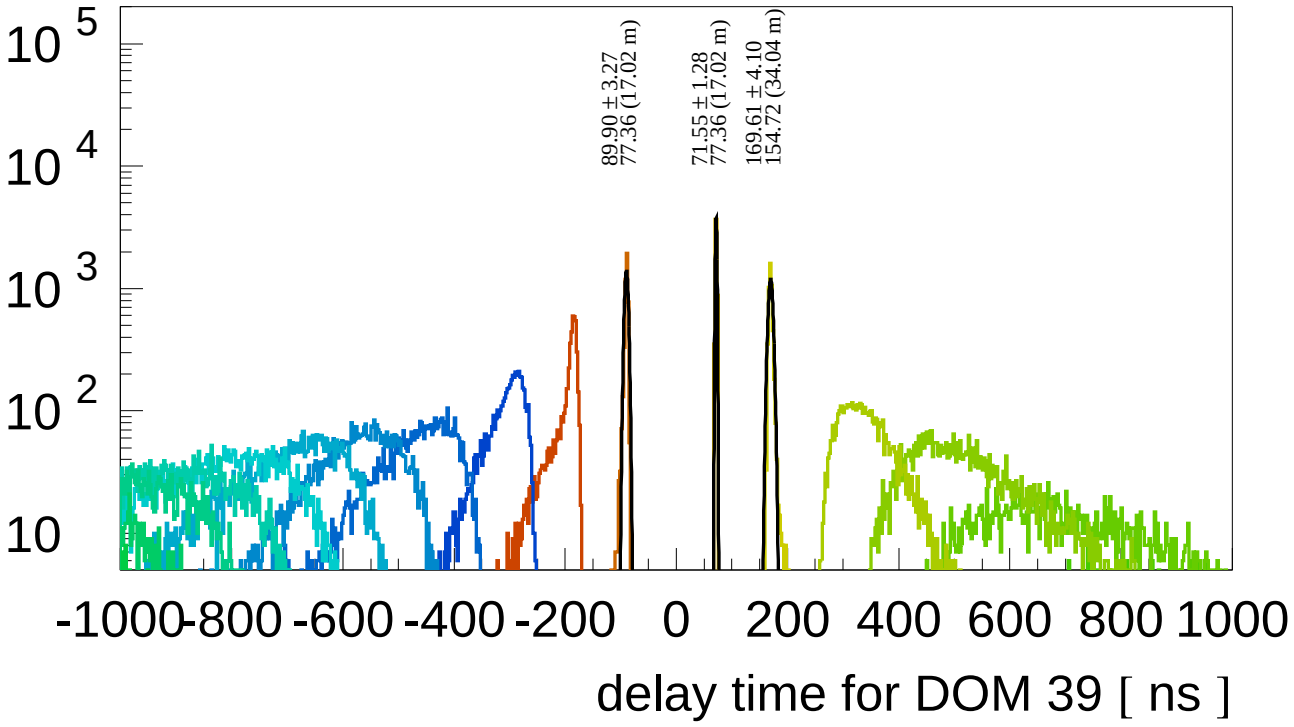

10 5
10 4
10 3
10 2
10
92.66 ± 2.89
77.36 (17.02 m)
70.05 ± 1.49
77.36 (17.02 m)
162.02 ± 1.49
154.72 (34.04 m)
251.37 ± 2.30
232.07 (51.06 m)
-1000 -800 -600 -400 -200 0 200 400 600 800 1000
delay time for DOM 34 [ns]

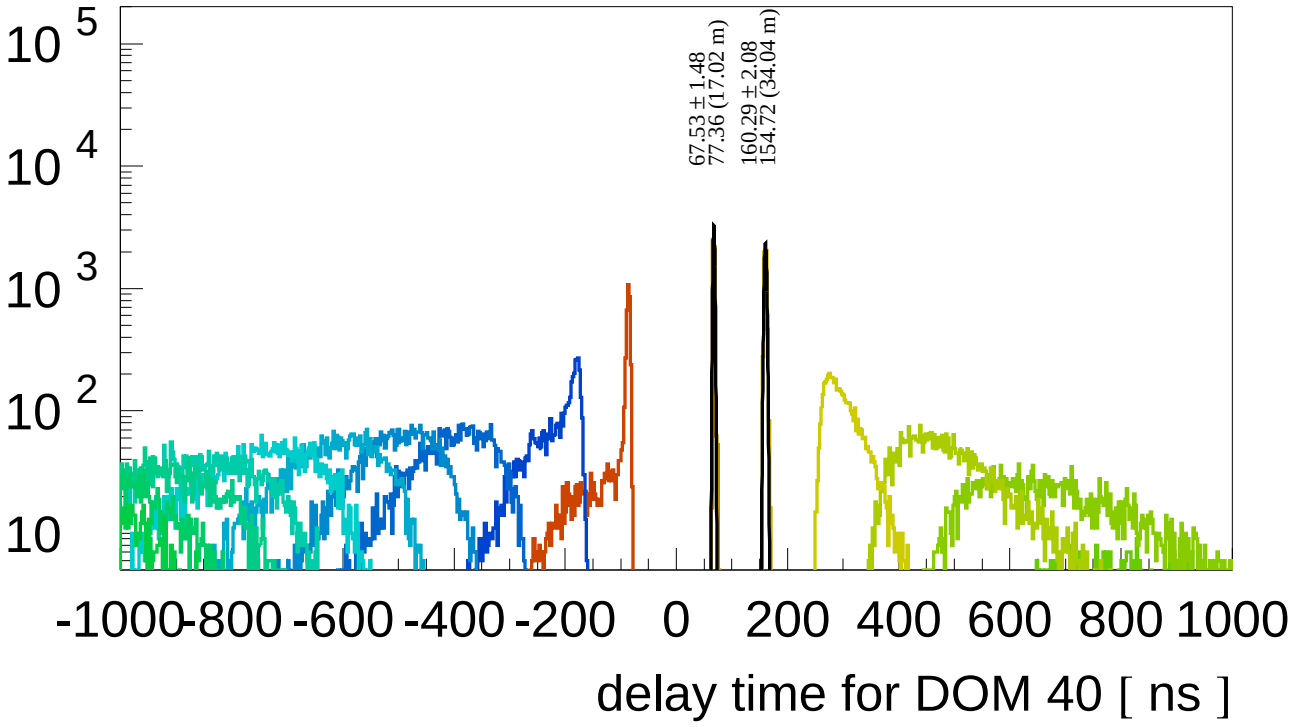

10 5
10 4
10 3
10 2
10
88.60 ± 3.21
77.36 (17.02 m)
70.07 ± 1.37
77.36 (17.02 m)
160.83 ± 2.08
154.72 (34.04 m)
-1000 -800 -600 -400 -200 0 200 400 600 800 1000
delay time for DOM 35 [ns]

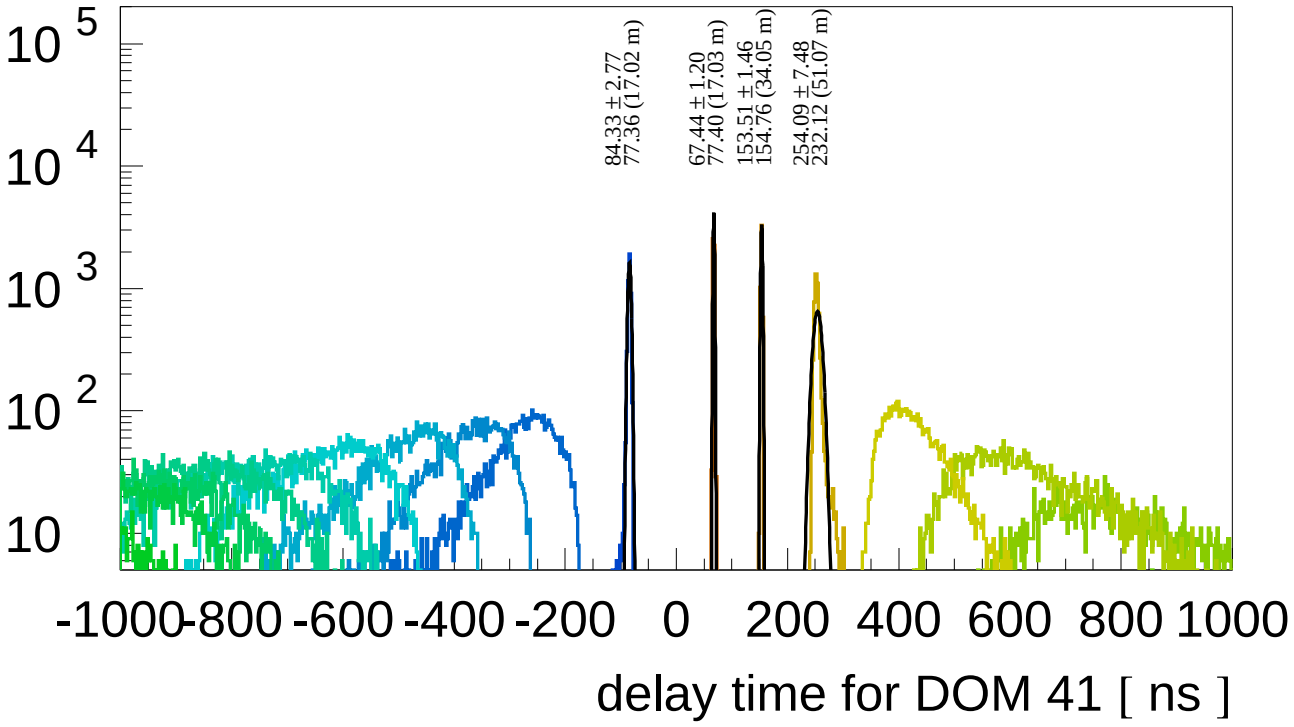

10 5
10 4
10 3
10 2
10
90.79 ± 3.80
77.36 (17.02 m)
68.47 ± 1.52
77.36 (17.02 m)
160.16 ± 2.29
154.72 (34.04 m)
-1000 -800 -600 -400 -200 0 200 400 600 800 1000
delay time for DOM 36 [ns]

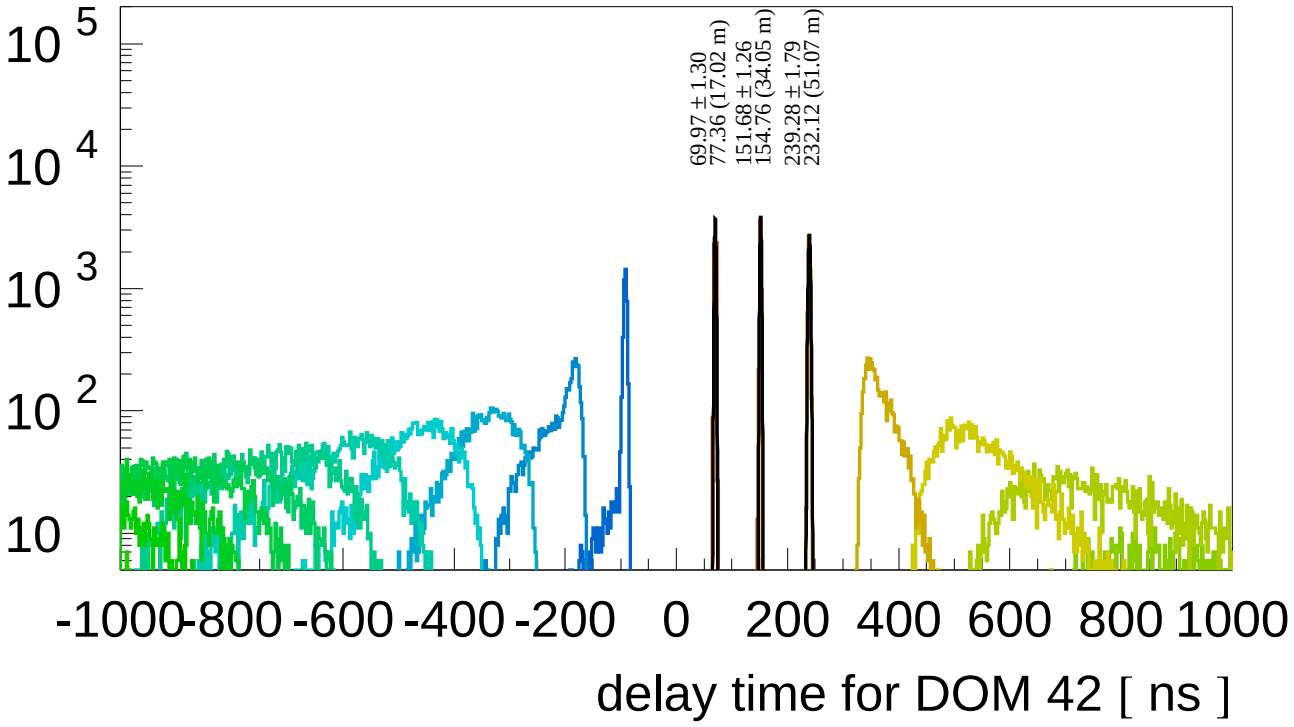

10 5
10 4
10 3
10 2
10
88.34 ± 2.53
77.36 (17.02 m)
70.47 ± 1.57
77.36 (17.02 m)
165.11 ± 2.70
154.72 (34.04 m)
-1000 -800 -600 -400 -200 0 200 400 600 800 1000
delay time for DOM 37 [ns]

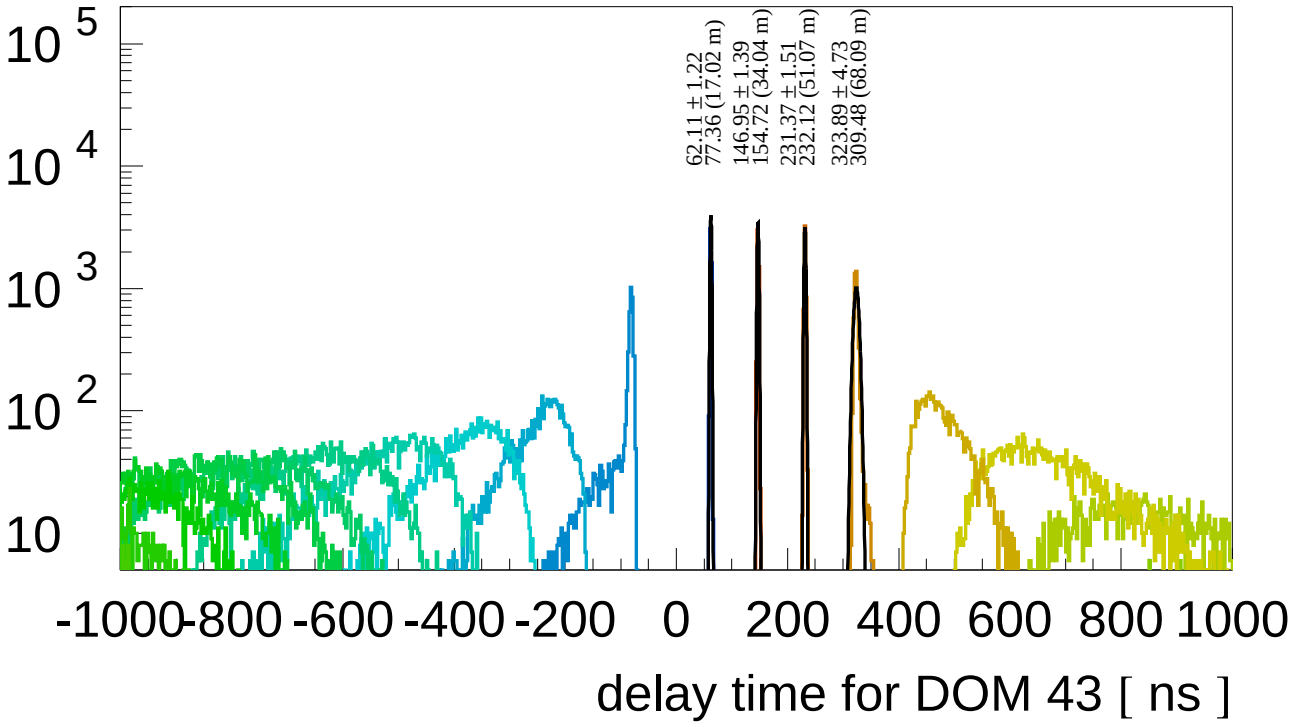

10 5
10 4
10 3
10 2
10
89.43 ± 2.46
77.36 (17.02 m)
68.20 ± 1.26
77.36 (17.02 m)
168.20 ± 3.19
154.72 (34.04 m)
-1000 -800 -600 -400 -200 0 200 400 600 800 1000
delay time for DOM 38 [ns]

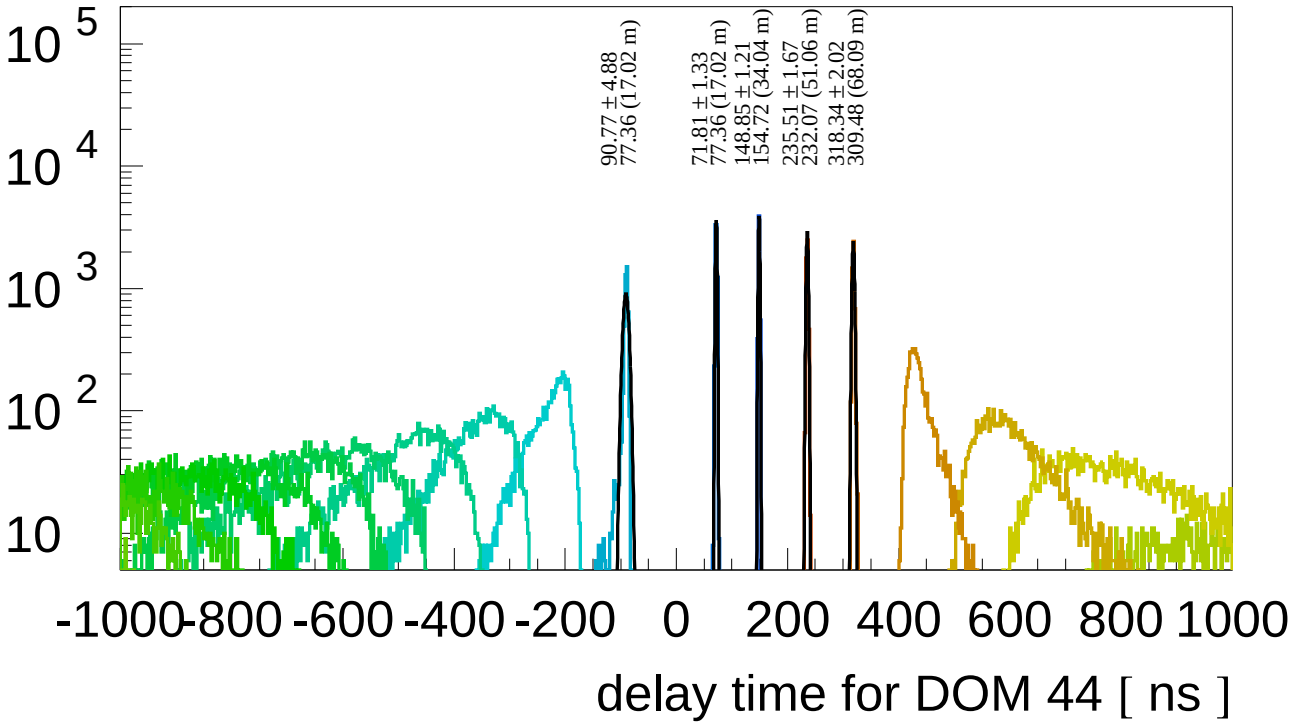

10 5
10 4
10 3
10 2
10
89.90 ± 3.27
77.36 (17.02 m)
71.55 ± 1.28
77.36 (17.02 m)
169.61 ± 4.10
154.72 (34.04 m)
-1000 -800 -600 -400 -200 0 200 400 600 800 1000
delay time for DOM 39 [ns]

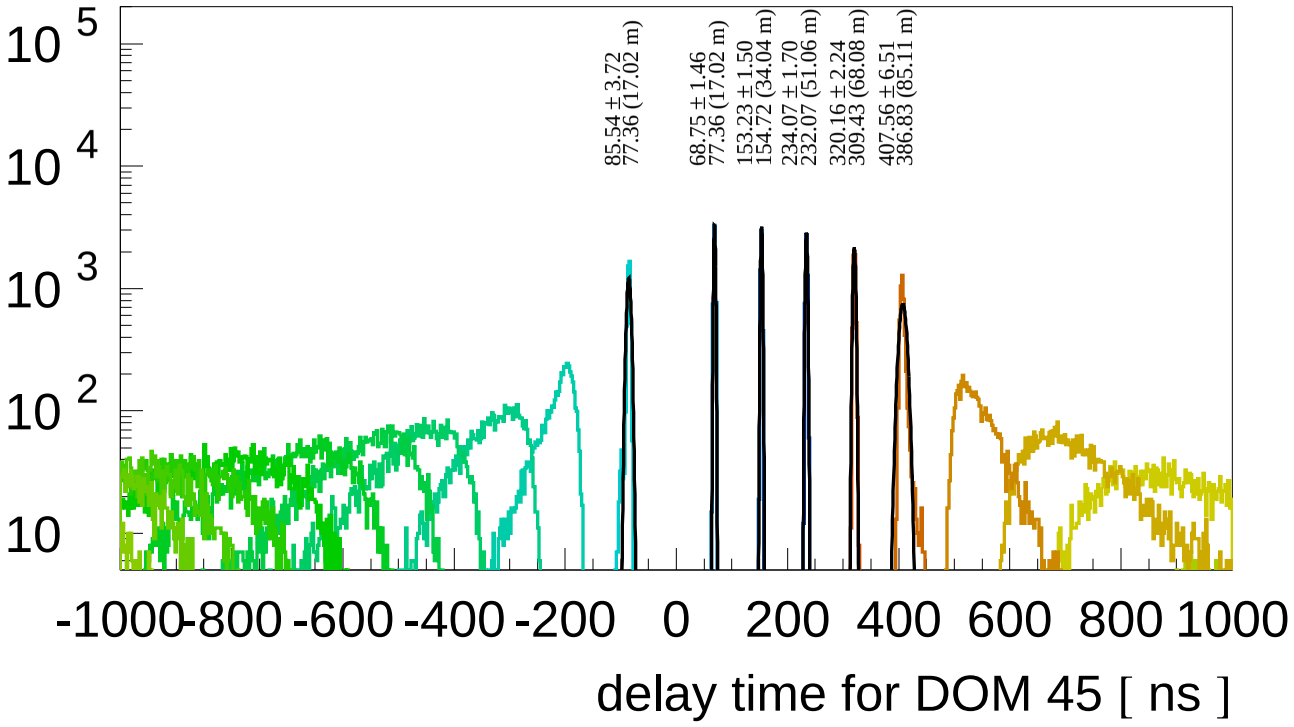

10 5
10 4
10 3
10 2
10
67.53 ± 1.48
77.36 (17.02 m)
160.29 ± 2.08
154.72 (34.04 m)
-1000 -800 -600 -400 -200 0 200 400 600 800 1000
delay time for DOM 40 [ns]

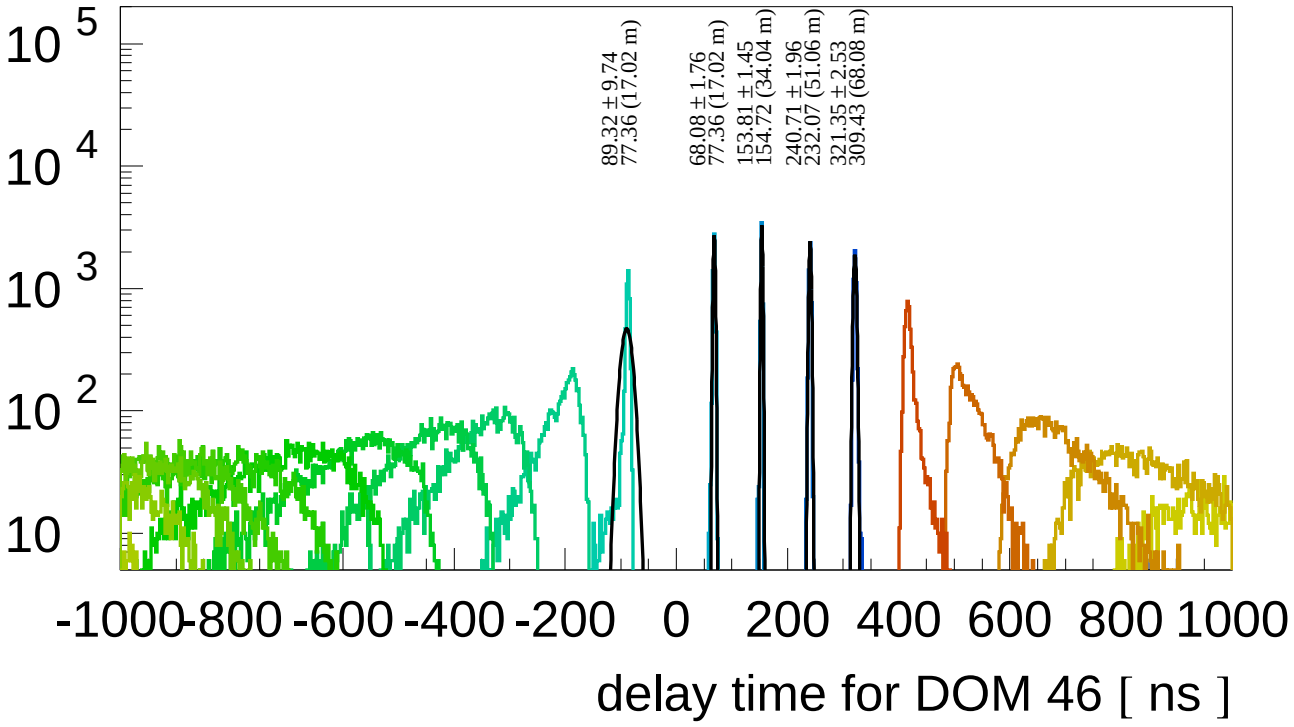

10 5
10 4
10 3
10 2
10
84.33 ± 2.77
77.36 (17.02 m)
67.44 ± 1.20
77.40 (17.03 m)
153.51 ± 1.46
154.76 (34.05 m)
254.09 ± 7.48
232.12 (51.07 m)
-1000 -800 -600 -400 -200 0 200 400 600 800 1000
delay time for DOM 41 [ns]

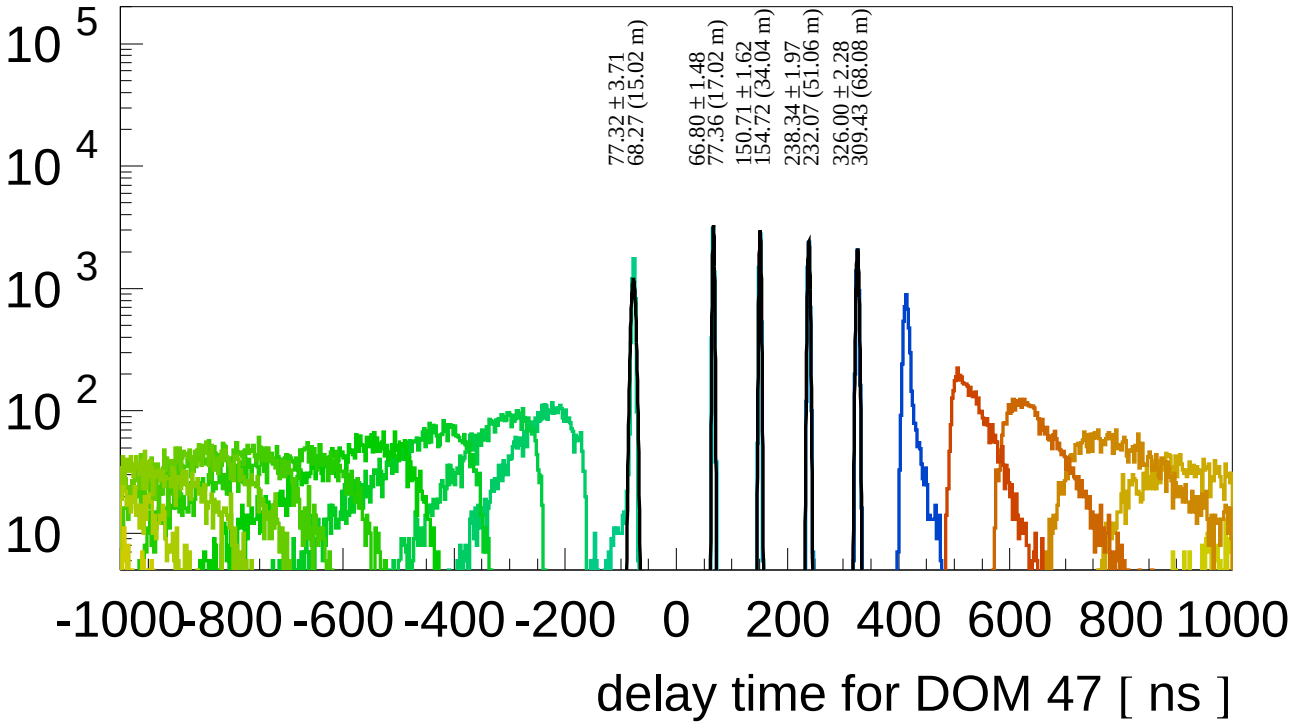

10 5
10 4
10 3
10 2
10
69.97 ± 1.30
77.36 (17.02 m)
151.68 ± 1.26
154.76 (34.05 m)
239.28 ± 1.79
232.12 (51.07 m)
-1000 -800 -600 -400 -200 0 200 400 600 800 1000
delay time for DOM 42 [ns]

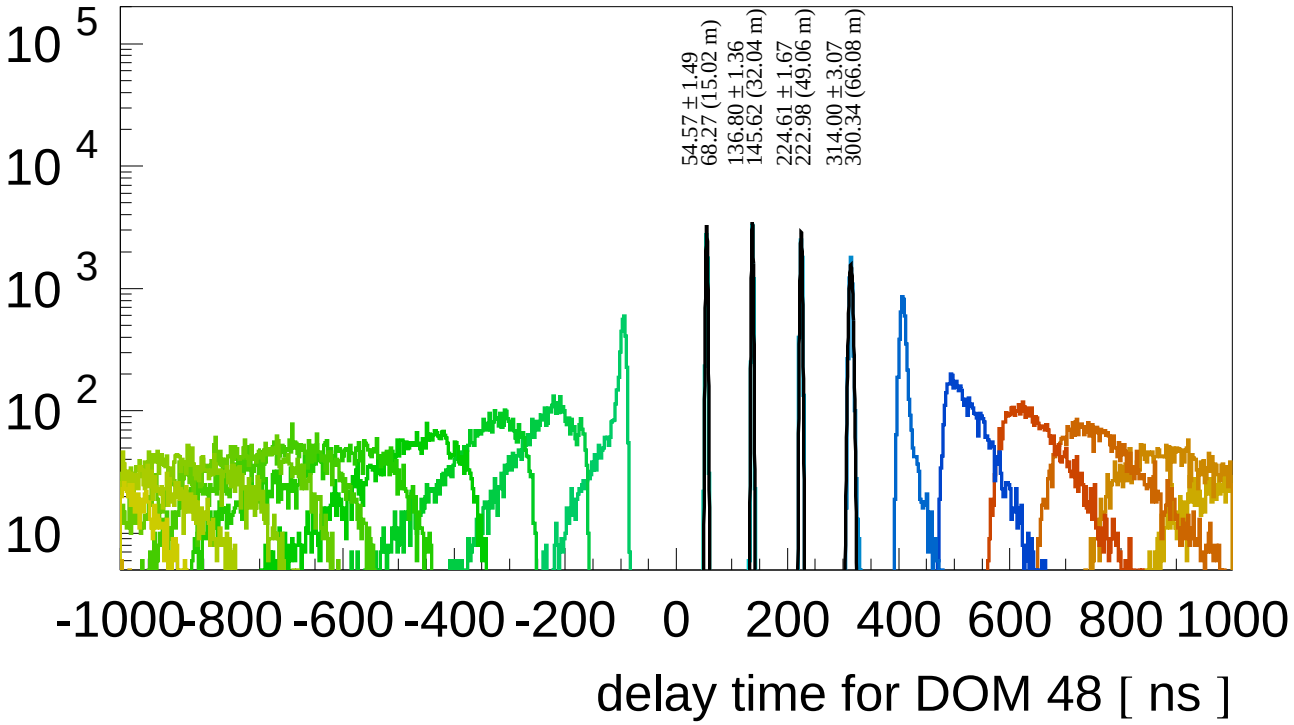

10 5
10 4
10 3
10 2
10
62.11 ± 1.22
77.36 (17.02 m)
146.95 ± 1.39
154.72 (34.04 m)
231.37 ± 1.51
232.12 (51.07 m)
323.89 ± 4.73
309.48 (68.09 m)
-1000 -800 -600 -400 -200 0 200 400 600 800 1000
delay time for DOM 43 [ns]

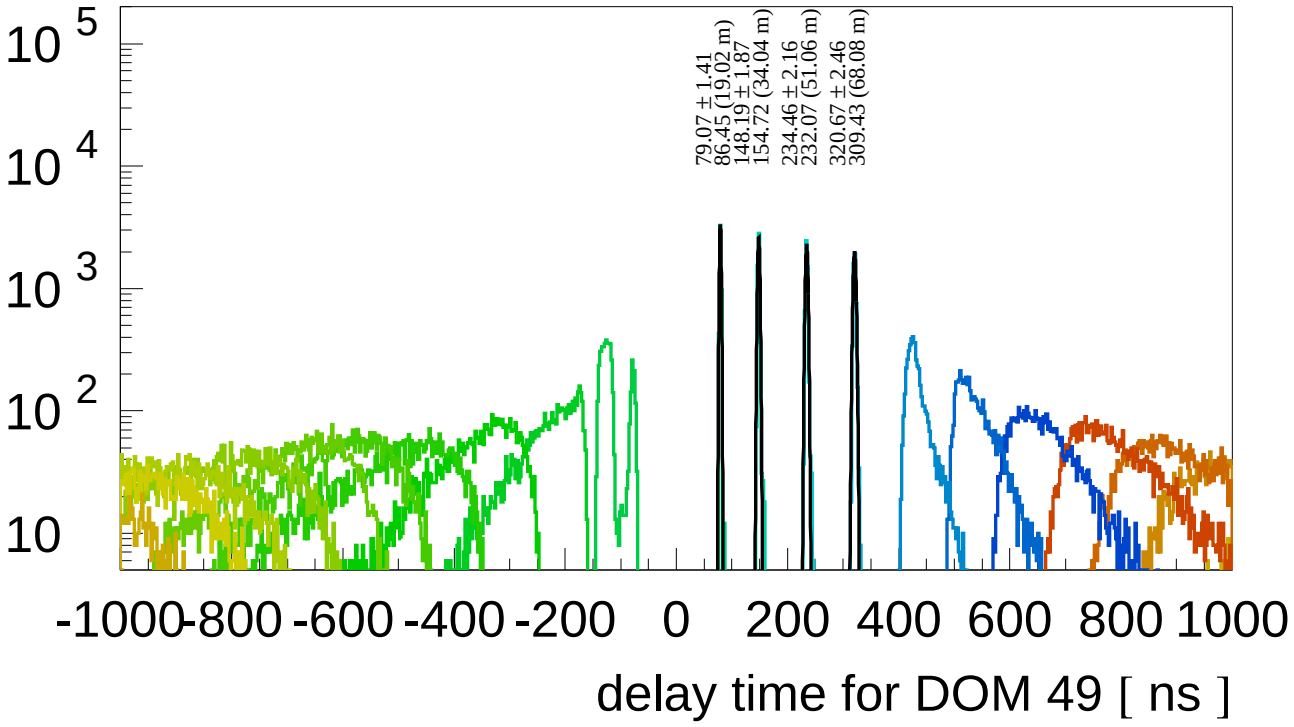

10 5
10 4
10 3
10 2
10
90.77 ± 4.88
77.36 (17.02 m)
71.81 ± 1.33
77.36 (17.02 m)
148.85 ± 1.21
154.72 (34.04 m)
235.51 ± 1.67
232.07 (51.06 m)
318.34 ± 2.02
309.48 (68.09 m)
-1000 -800 -600 -400 -200 0 200 400 600 800 1000
delay time for DOM 44 [ns]

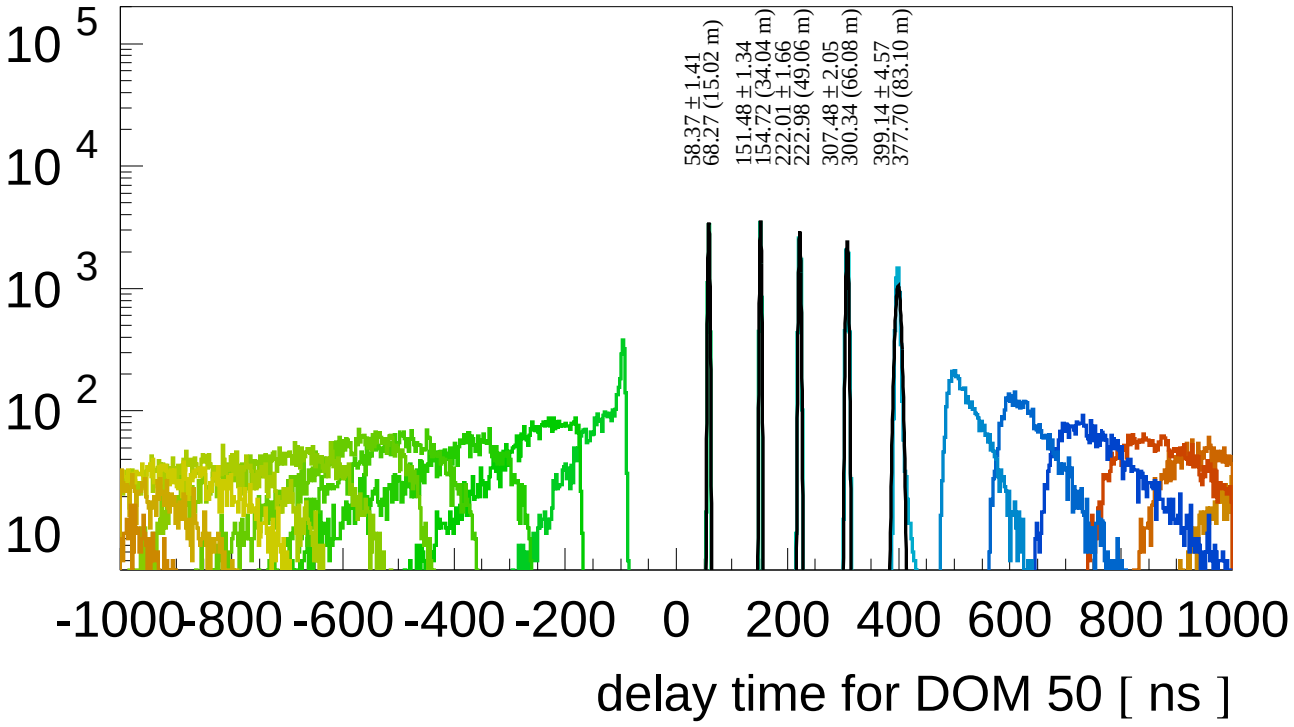

10 5
10 4
10 3
10 2
10
85.54 ± 3.72
77.36 (17.02 m)
68.75 ± 1.46
77.36 (17.02 m)
153.23 ± 1.50
154.72 (34.04 m)
234.07 ± 1.70
232.07 (51.06 m)
320.16 ± 2.24
309.43 (68.08 m)
407.56 ± 6.51
386.83 (85.11 m)
-1000 -800 -600 -400 -200 0 200 400 600 800 1000
delay time for DOM 45 [ns]

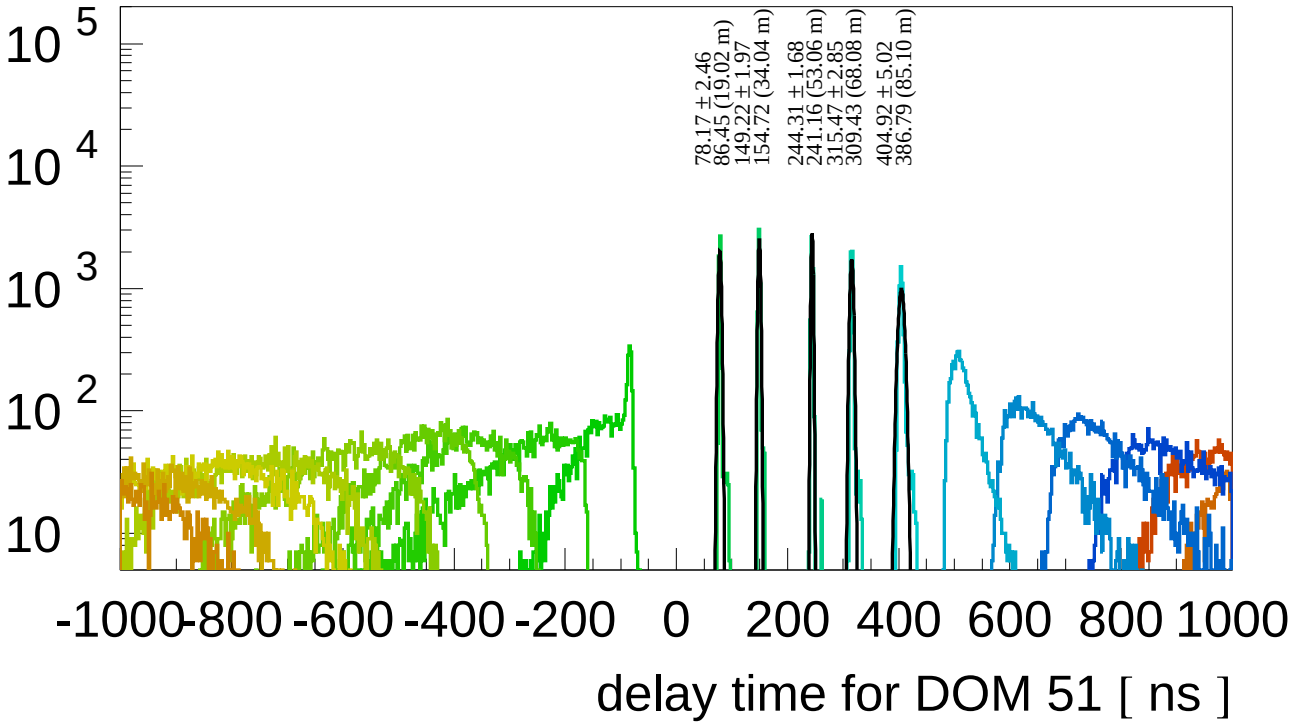

10 5
10 4
10 3
10 2
10
89.32 ± 9.74
77.36 (17.02 m)
68.08 ± 1.76
77.36 (17.02 m)
153.81 ± 1.45
154.72 (34.04 m)
240.71 ± 1.96
232.07 (51.06 m)
321.35 ± 2.53
309.43 (68.08 m)
-1000 -800 -600 -400 -200 0 200 400 600 800 1000
delay time for DOM 46 [ns]

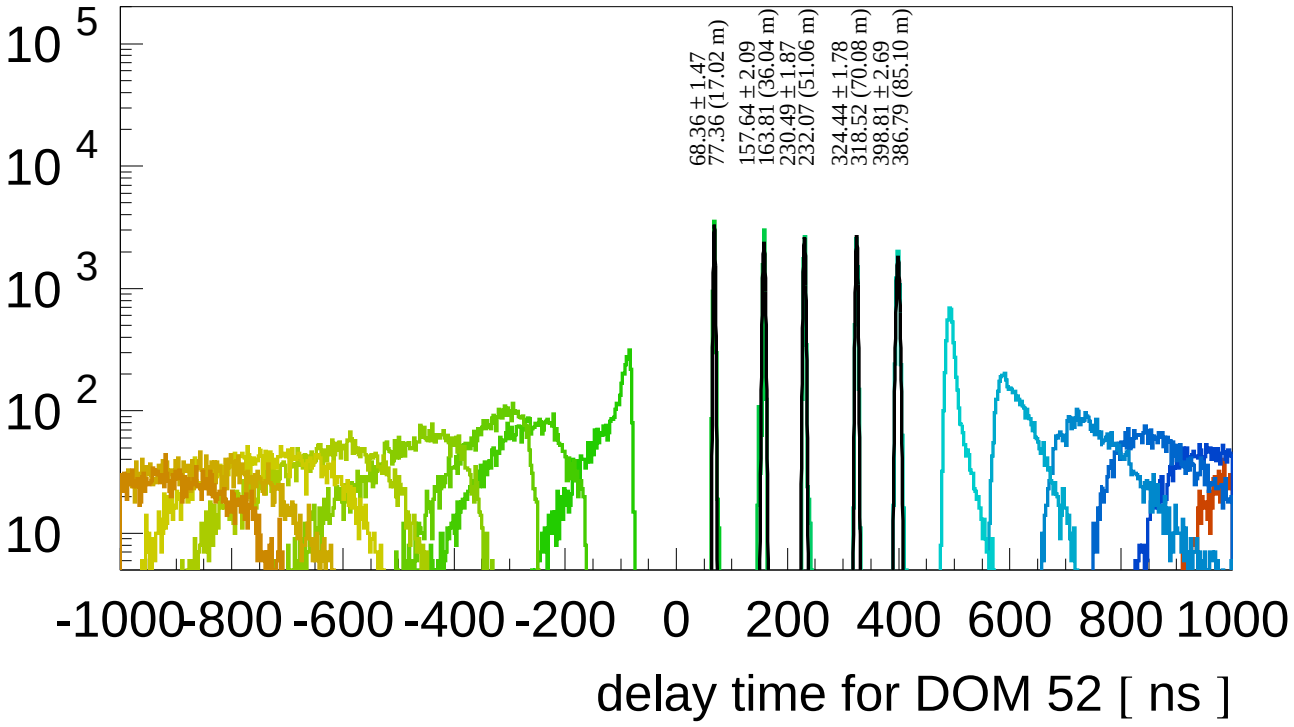

10 5
10 4
10 3
10 2
10
77.32 ± 3.71
68.27 (15.02 m)
66.80 ± 1.48
77.36 (17.02 m)
150.71 ± 1.62
154.72 (34.04 m)
238.34 ± 1.97
232.07 (51.06 m)
326.00 ± 2.28
309.43 (68.08 m)
-1000 -800 -600 -400 -200 0 200 400 600 800 1000
delay time for DOM 47 [ns]

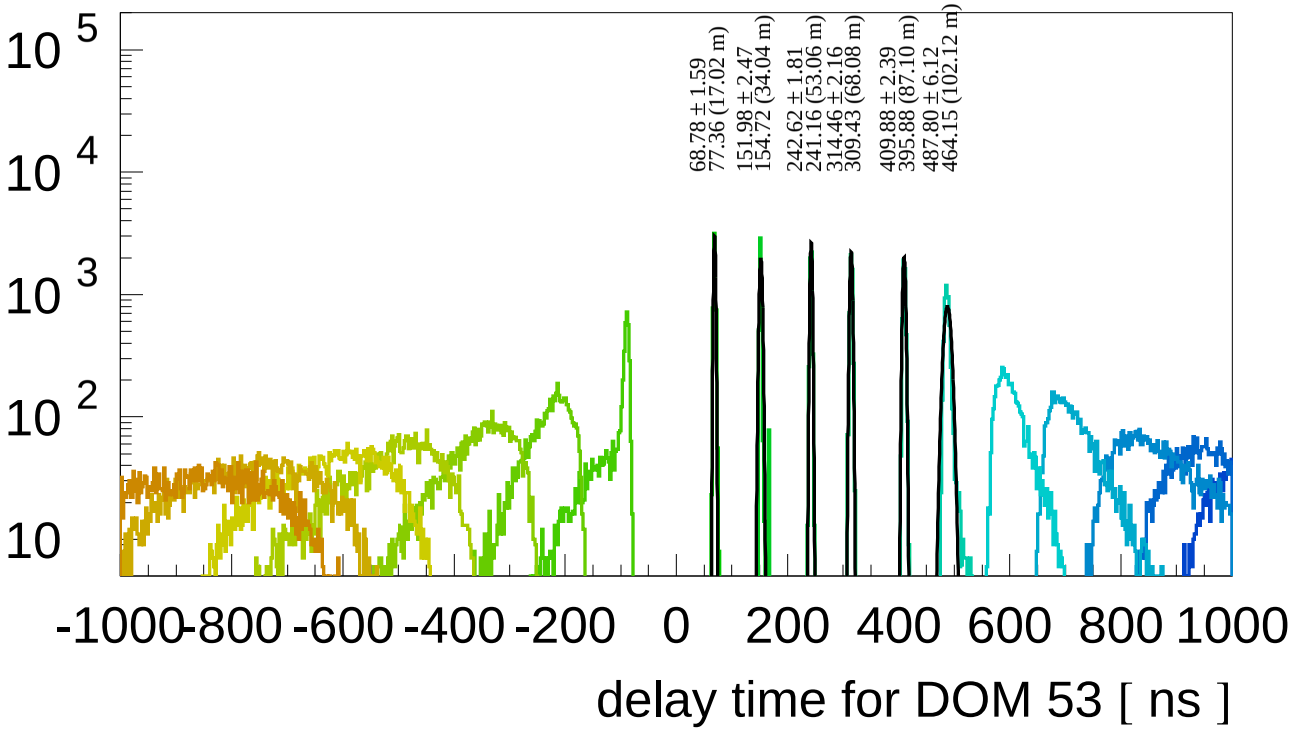

10 5
10 4
10 3
10 2
10
54.57 ± 1.49
68.27 (15.02 m)
136.80 ± 1.36
145.62 (32.04 m)
224.61 ± 1.67
222.98 (49.06 m)
314.00 ± 3.07
300.34 (66.08 m)
-1000 -800 -600 -400 -200 0 200 400 600 800 1000
delay time for DOM 48 [ns]

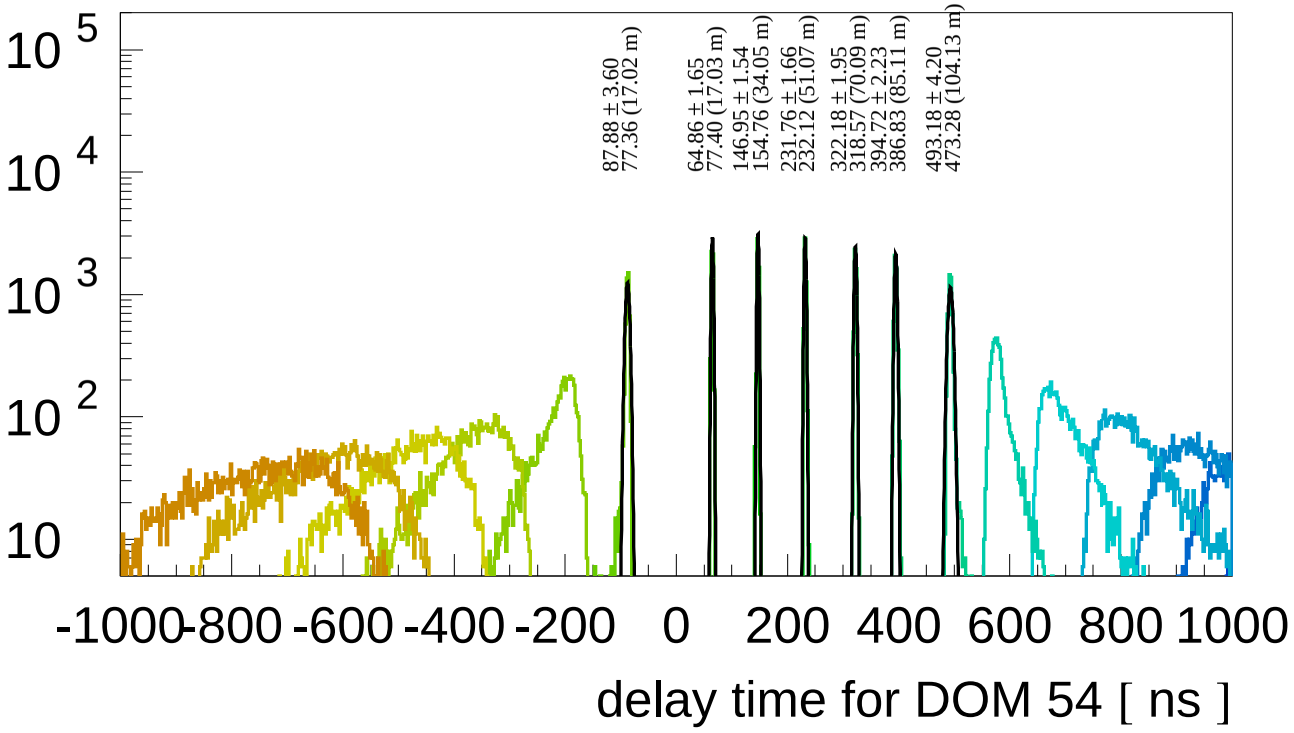

10 5
10 4
10 3
10 2
10
79.07 ± 1.41
86.45 (19.02 m)
148.19 ± 1.87
154.72 (34.04 m)
234.46 ± 2.16
232.07 (51.06 m)
320.67 ± 2.46
309.43 (68.08 m)
-1000 -800 -600 -400 -200 0 200 400 600 800 1000
delay time for DOM 49 [ns]

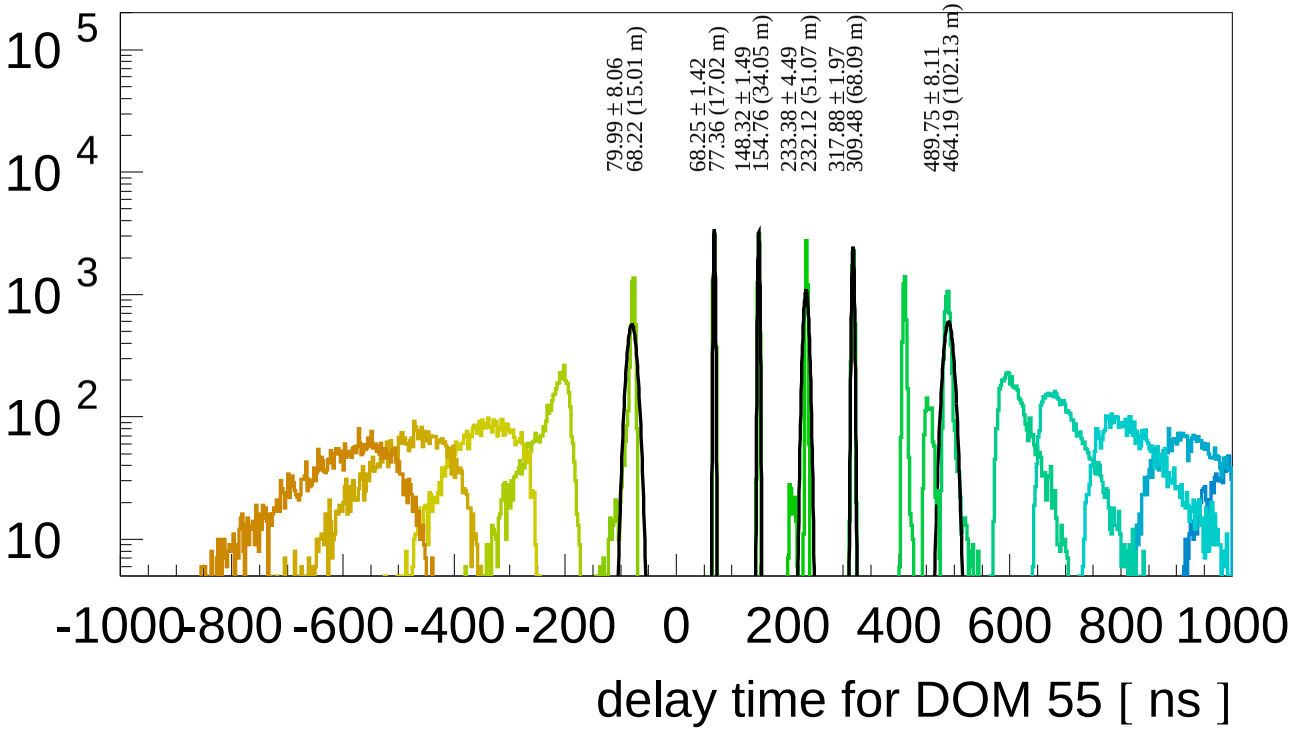

10 5
10 4
10 3
10 2
10
58.37 ± 1.41
68.27 (15.02 m)
151.48 ± 1.34
154.72 (34.04 m)
222.01 ± 1.66
222.98 (49.06 m)
307.48 ± 2.05
300.34 (66.08 m)
399.14 ± 4.57
377.70 (83.10 m)
-1000 -800 -600 -400 -200 0 200 400 600 800 1000
delay time for DOM 50 [ns]

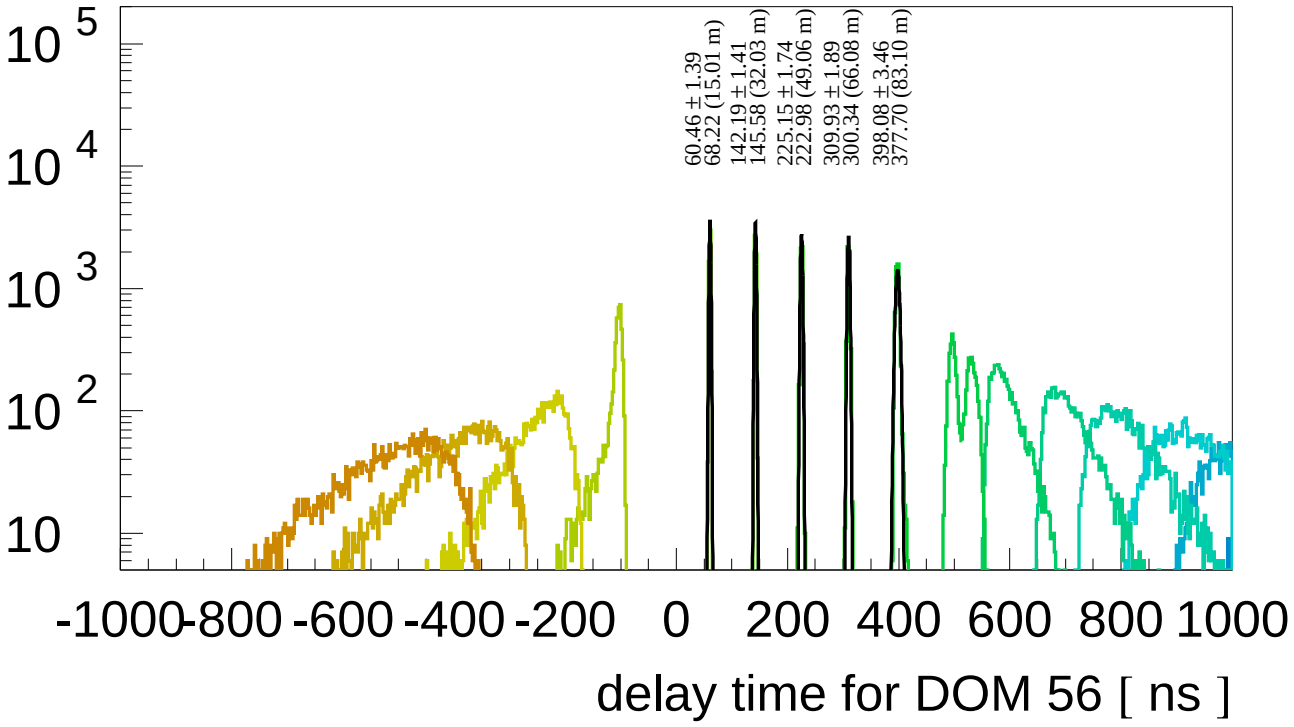

10 5
10 4
10 3
10 2
10
78.17 ± 2.46
86.45 (19.02 m)
149.22 ± 1.97
154.72 (34.04 m)
244.31 ± 1.68
241.16 (53.06 m)
315.47 ± 2.85
309.43 (68.08 m)
404.92 ± 5.02
386.79 (85.10 m)
-1000 -800 -600 -400 -200 0 200 400 600 800 1000
delay time for DOM 51 [ns]

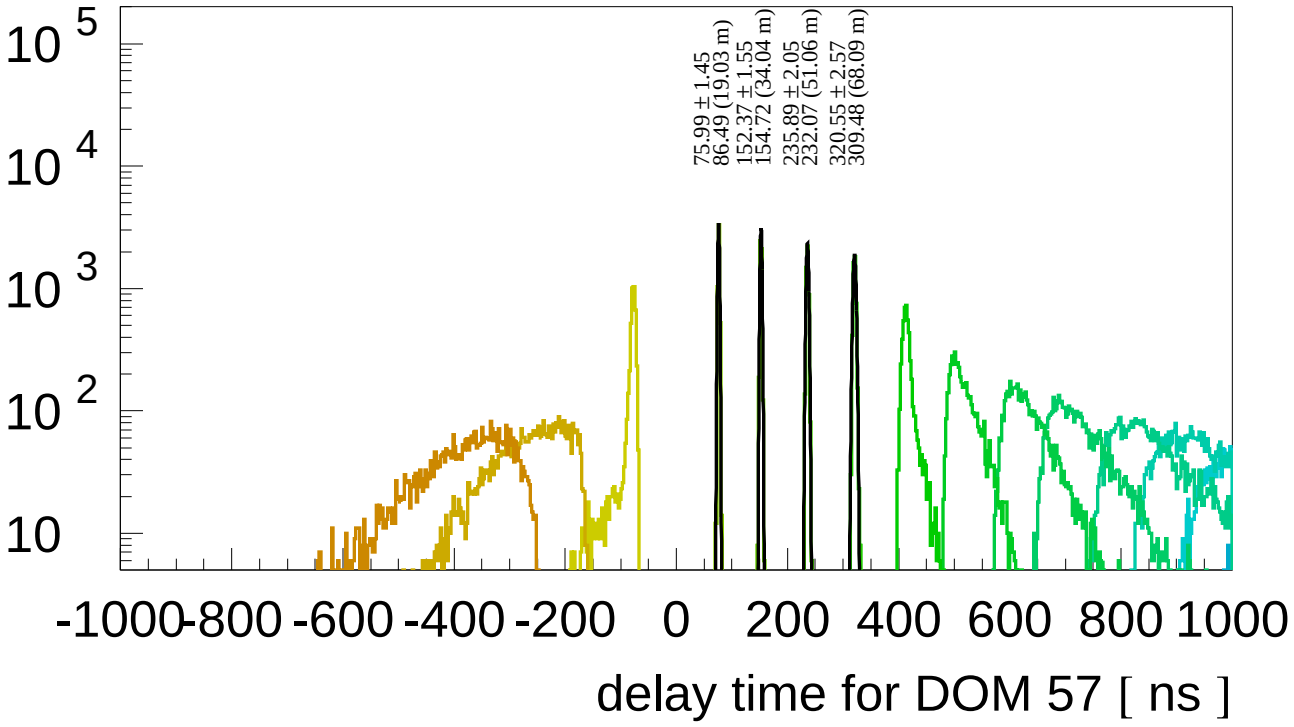

10 5
10 4
10 3
10 2
10
68.36 ± 1.47
77.36 (17.02 m)
157.64 ± 2.09
163.81 (36.04 m)
230.49 ± 1.87
232.07 (51.06 m)
324.44 ± 1.78
318.52 (70.08 m)
398.81 ± 2.69
386.79 (85.10 m)
-1000 -800 -600 -400 -200 0 200 400 600 800 1000
delay time for DOM 52 [ns]

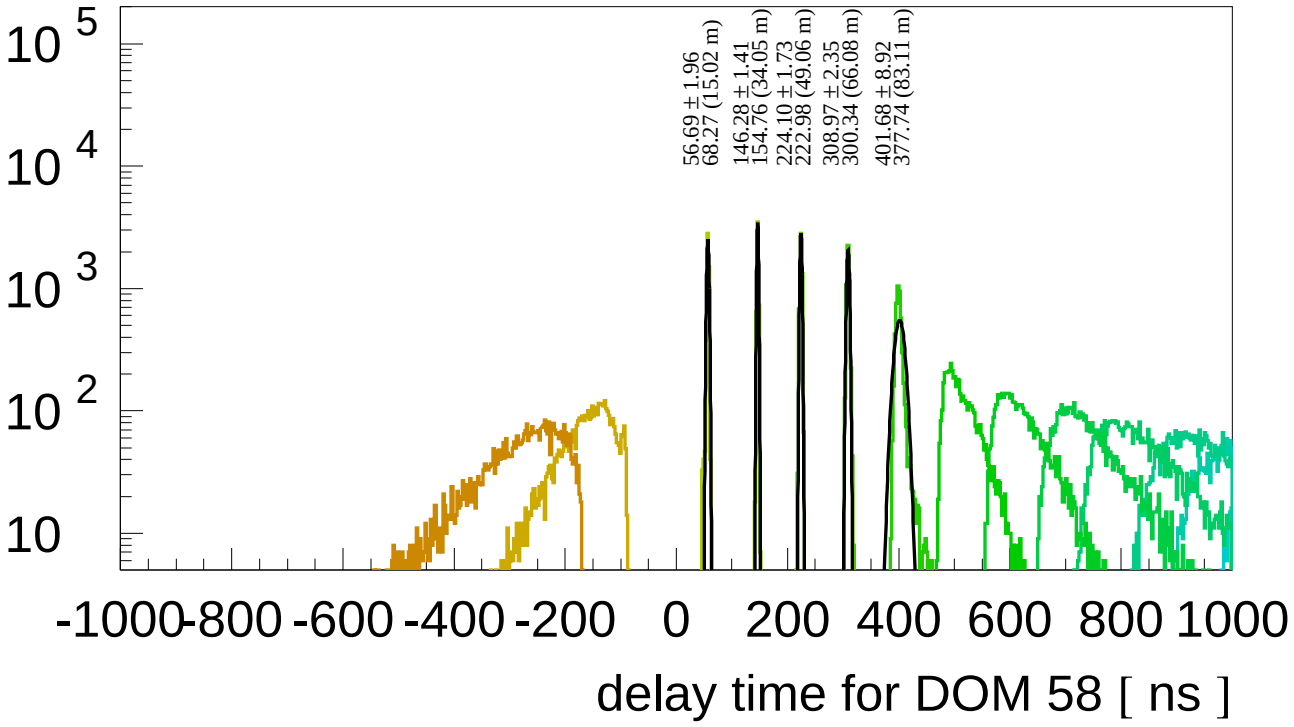

68.78 ± 1.59
77.36 (17.02 m)
151.98 ± 2.47
154.72 (34.04 m)
242.62 ± 1.81
241.16 (53.06 m)
314.46 ± 2.16
309.43 (68.08 m)
409.88 ± 2.39
395.88 (87.10 m)
487.80 ± 6.12
464.15 (102.12 m)
10 5
10 4
10 3
10 2
10
-1000 -800 -600 -400 -200 0 200 400 600 800 1000
delay time for DOM 53 [ns]

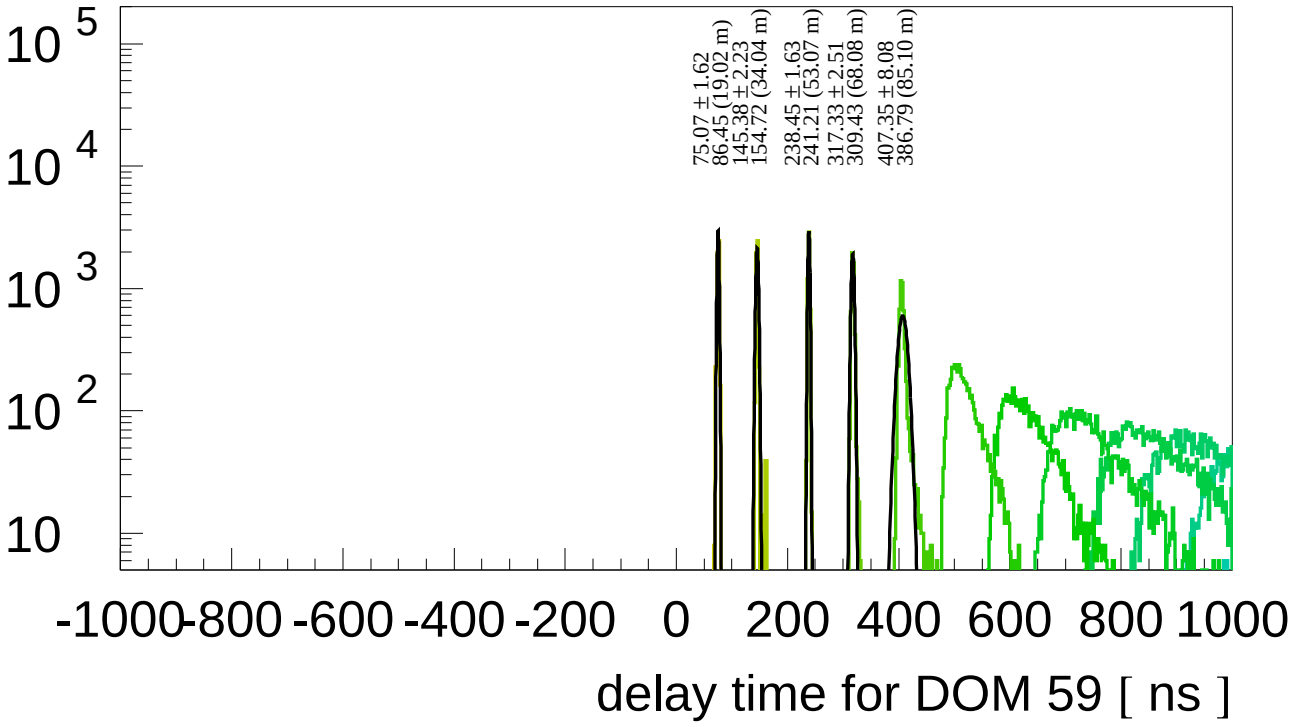

10 5
10 4
10 3
10 2
10
87.88 ± 3.60
77.36 (17.02 m)
64.86 ± 1.65
77.40 (17.03 m)
146.95 ± 1.54
154.76 (34.05 m)
231.76 ± 1.66
232.12 (51.07 m)
322.18 ± 1.95
318.57 (70.09 m)
394.72 ± 2.23
386.83 (85.11 m)
493.18 ± 4.20
473.28 (104.13 m)
-1000 -800 -600 -400 -200 0 200 400 600 800 1000
delay time for DOM 54 [ns]

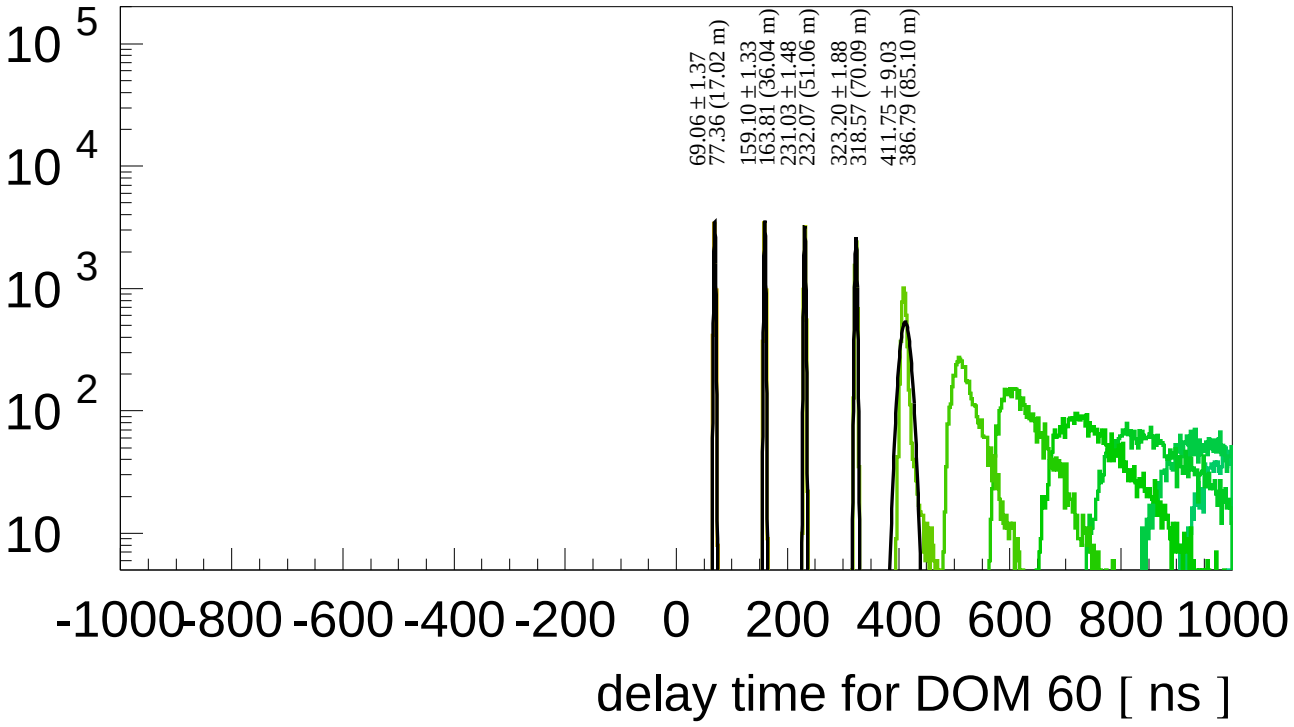

10 5
10 4
10 3
10 2
10
79.99 ± 8.06
68.22 (15.01 m)
68.25 ± 1.42
77.36 (17.02 m)
148.32 ± 1.49
154.76 (34.05 m)
233.38 ± 4.49
232.12 (51.07 m)
317.88 ± 1.97
309.48 (68.09 m)
489.75 ± 8.11
464.19 (102.13 m)
-1000 -800 -600 -400 -200 0 200 400 600 800 1000
delay time for DOM 55 [ns]


60.46 ± 1.39
68.22 (15.01 m)
142.19 ± 1.41
145.58 (32.03 m)
225.15 ± 1.74
222.98 (49.06 m)
309.93 ± 1.89
300.34 (66.08 m)
398.08 ± 3.46
377.70 (83.10 m)
10 5
10 4
10 3
10 2
10
-1000 -800 -600 -400 -200 0 200 400 600 800 1000
delay time for DOM 56 [ns]


10 5
10 4
10 3
10 2
10
75.99 ± 1.45
86.49 (19.03 m)
152.37 ± 1.55
154.72 (34.04 m)
235.89 ± 2.05
232.07 (51.06 m)
320.55 ± 2.57
309.48 (68.09 m)
-1000 -800 -600 -400 -200 0 200 400 600 800 1000
delay time for DOM 57 [ns]


56.69 ± 1.96
68.27 (15.02 m)
146.28 ± 1.41
154.76 (34.05 m)
224.10 ± 1.73
222.98 (49.06 m)
308.97 ± 2.35
300.34 (66.08 m)
401.68 ± 8.92
377.74 (83.11 m)
10 5
10 4
10 3
10 2
10
-1000 -800 -600 -400 -200 0 200 400 600 800 1000
delay time for DOM 58 [ns]


10 5
10 4
10 3
10 2
10
75.07 ± 1.62
86.45 (19.02 m)
145.38 ± 2.23
154.72 (34.04 m)
238.45 ± 1.63
241.21 (53.07 m)
317.33 ± 2.51
309.43 (68.08 m)
407.35 ± 8.08
386.79 (85.10 m)
-1000 -800 -600 -400 -200 0 200 400 600 800 1000
delay time for DOM 59 [ns]


10 5
10 4
10 3
10 2
10
69.06 ± 1.37
77.36 (17.02 m)
159.10 ± 1.33
163.81 (36.04 m)
231.03 ± 1.48
232.07 (51.06 m)
323.20 ± 1.88
318.57 (70.09 m)
411.75 ± 9.03
386.79 (85.10 m)
-1000 -800 -600 -400 -200 0 200 400 600 800 1000
delay time for DOM 60 [ns]