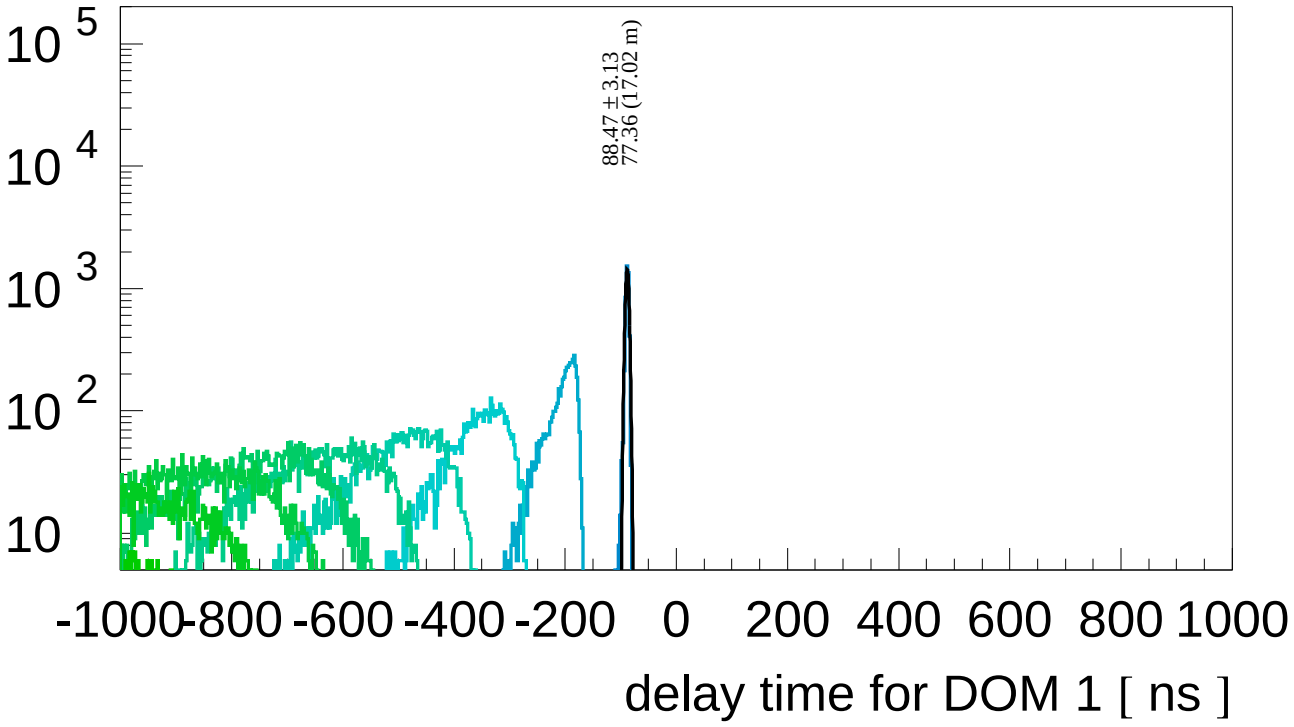
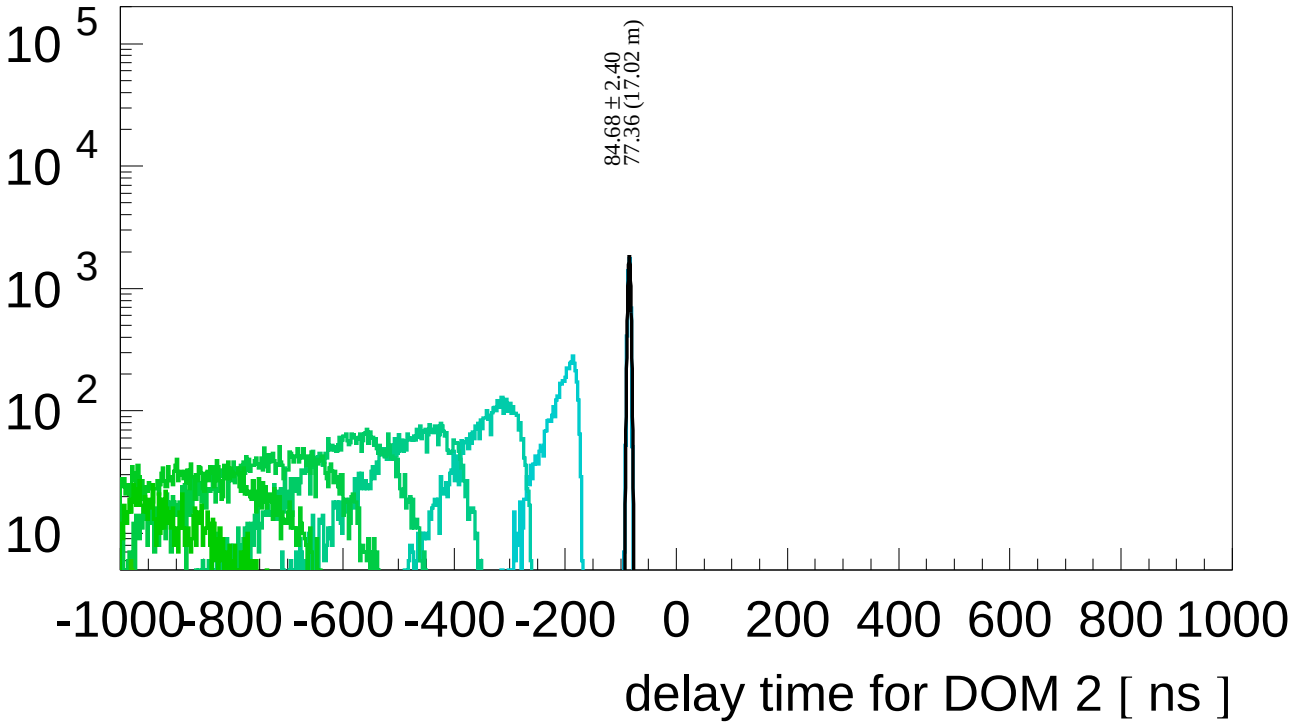
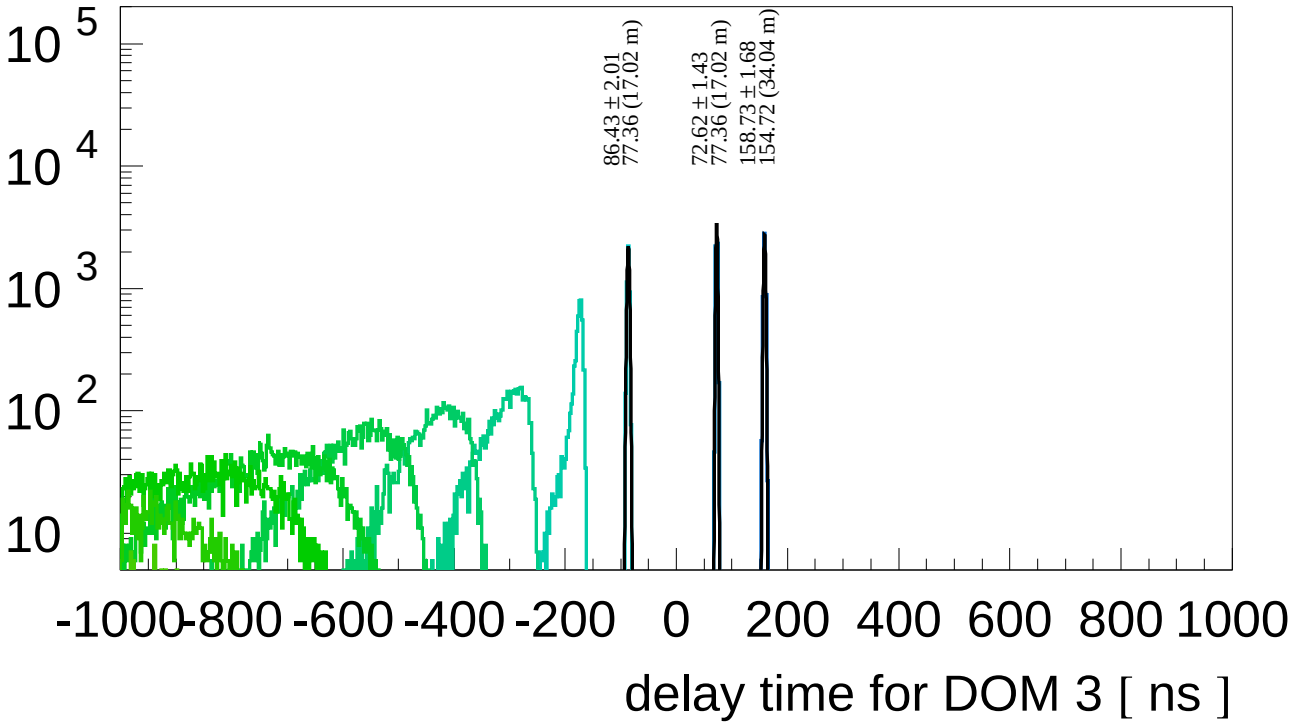
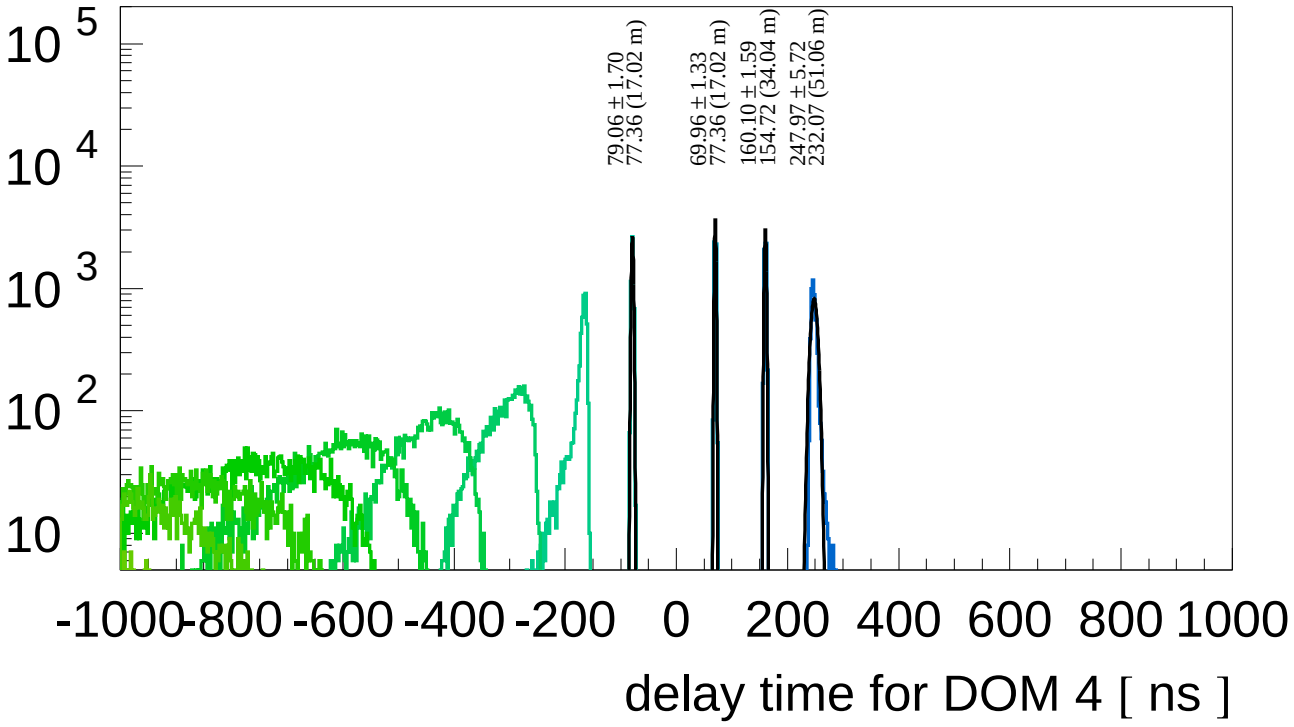
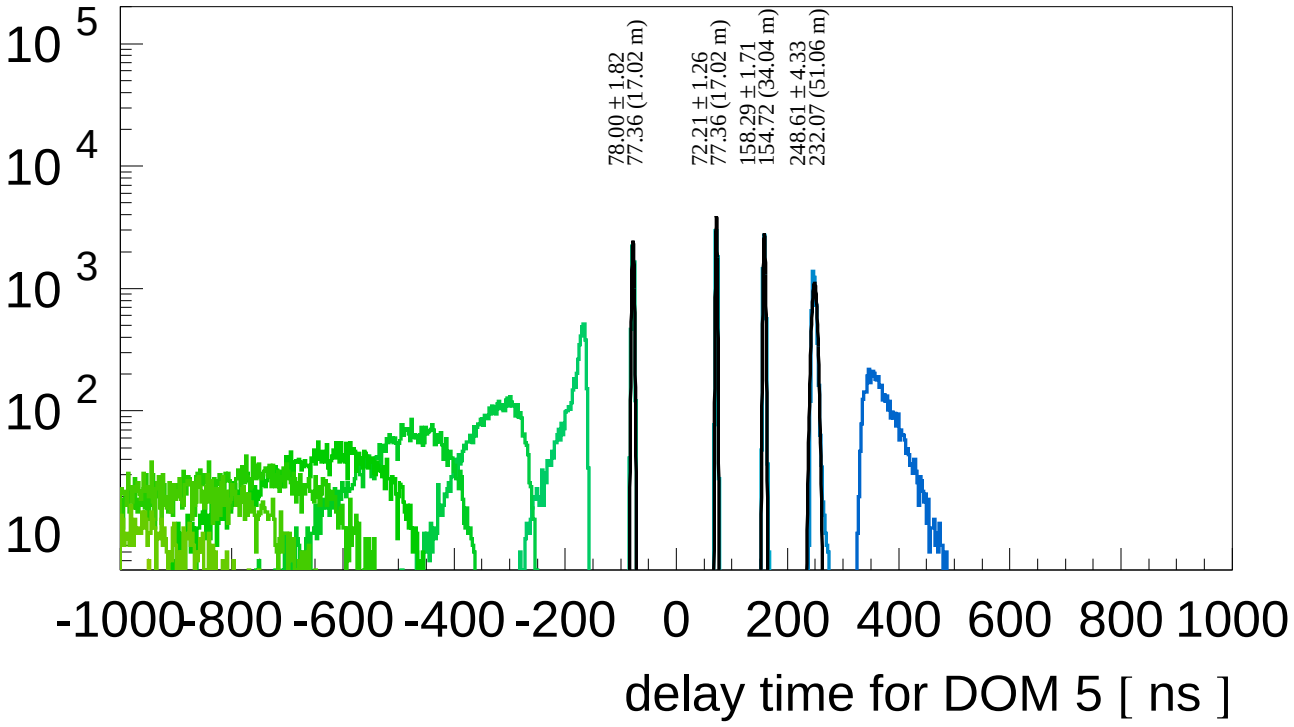
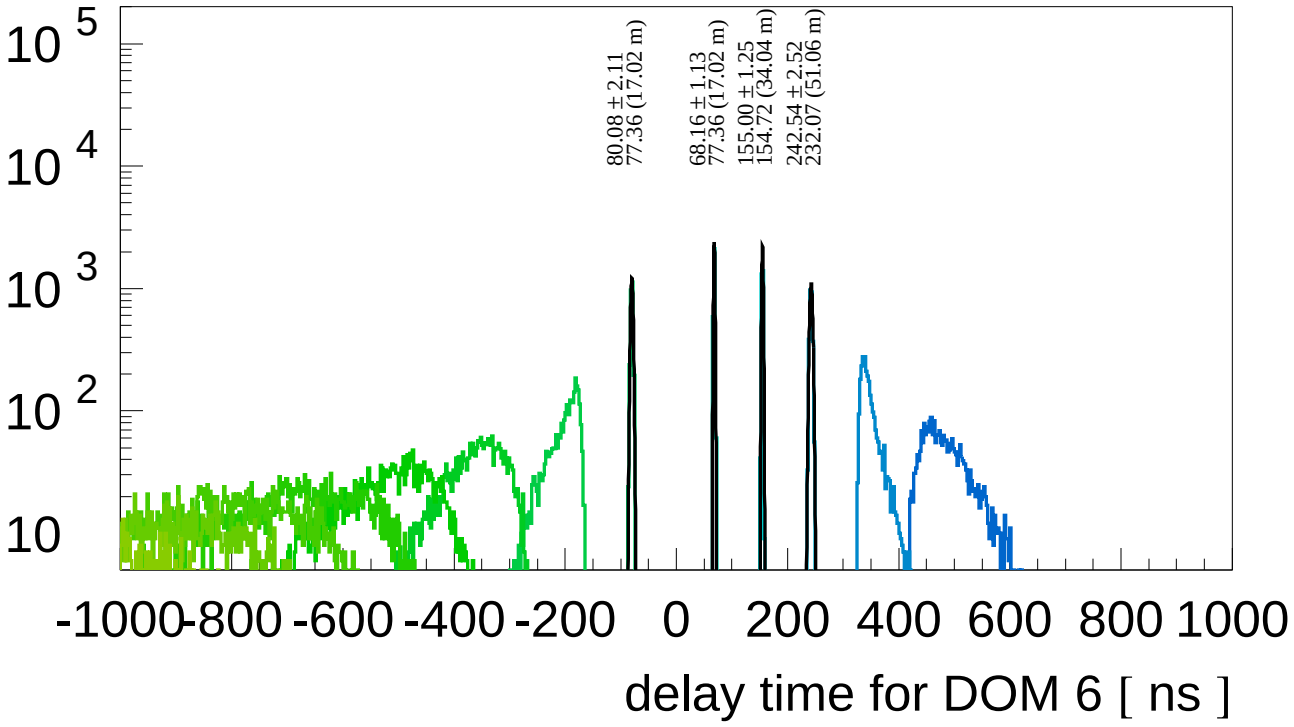

10 5
10 4
10 3
10 2
10
88.47 ± 3.13
77.36 (17.02 m)
-1000 -800 -600 -400 -200 0 200 400 600 800 1000
delay time for DOM 1 [ns]

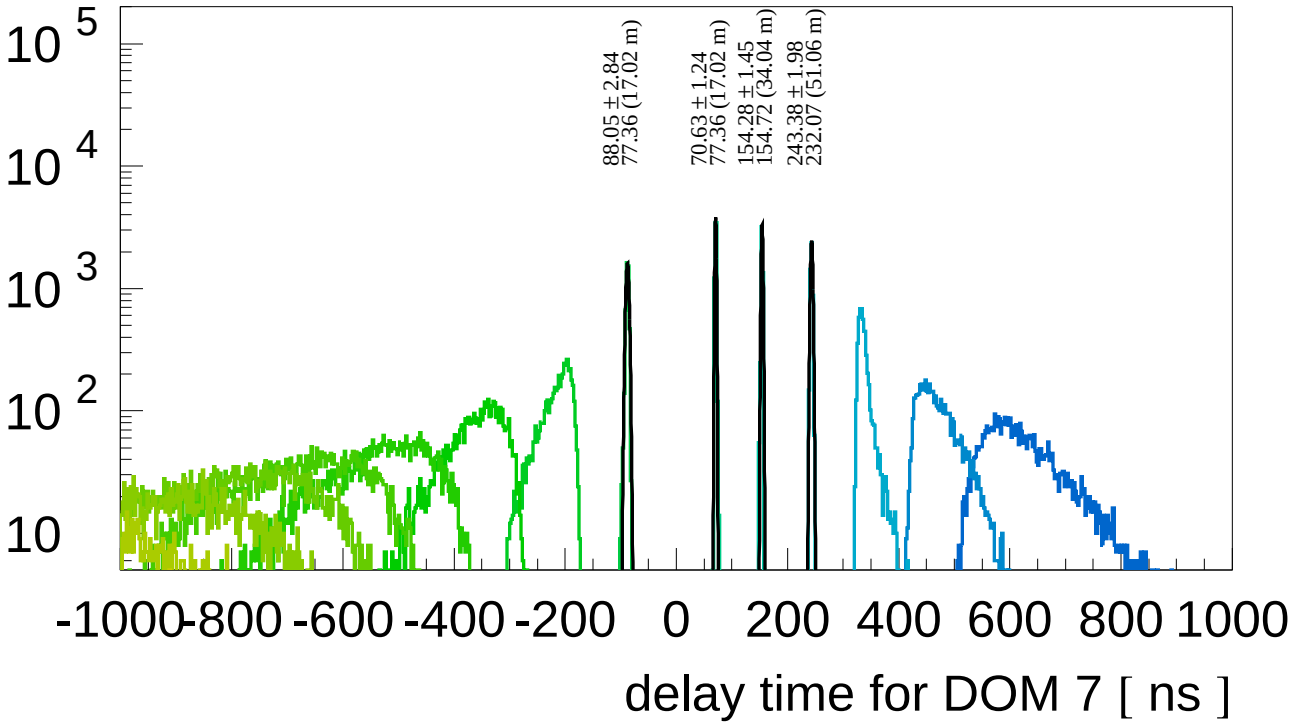

10 5
10 4
10 3
10 2
10
84.68 ± 2.40
77.36 (17.02 m)
-1000 -800 -600 -400 -200 0 200 400 600 800 1000
delay time for DOM 2 [ns]

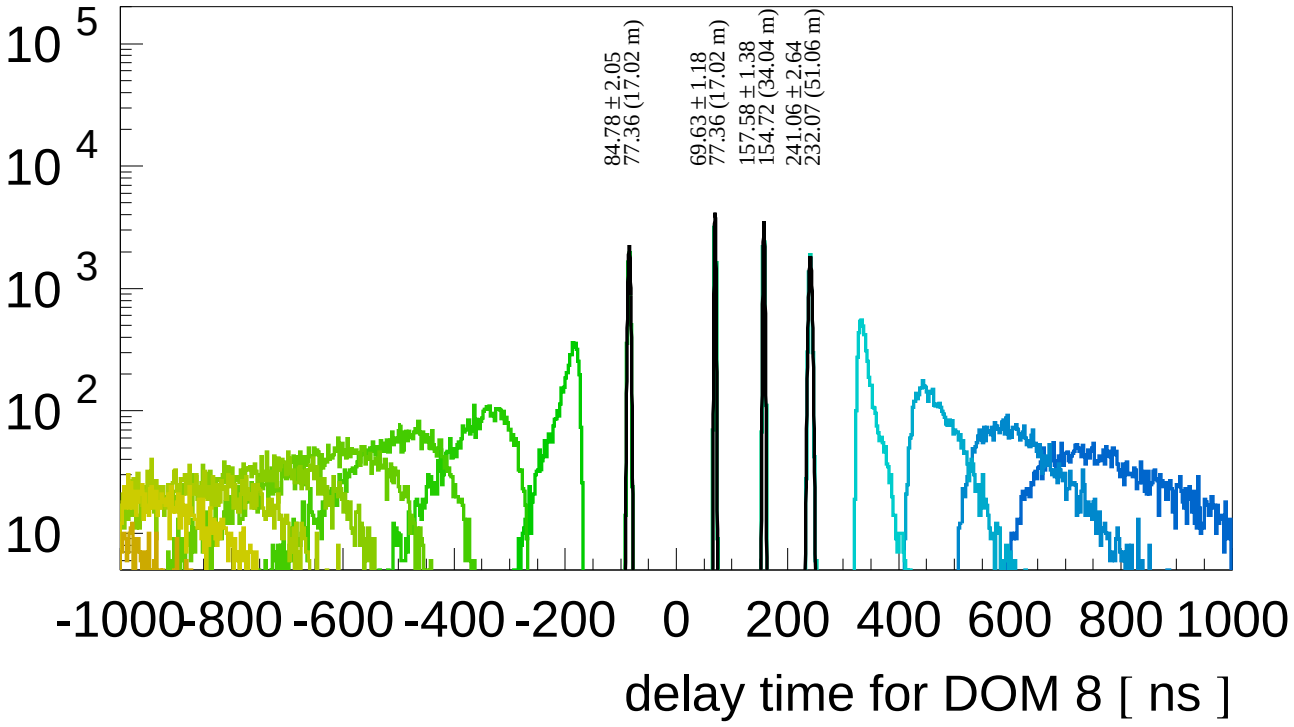

10 5
10 4
10 3
10 2
10
86.43 ± 2.01
77.36 (17.02 m)
72.62 ± 1.43
77.36 (17.02 m)
158.73 ± 1.68
154.72 (34.04 m)
-1000 -800 -600 -400 -200 0 200 400 600 800 1000
delay time for DOM 3 [ns]

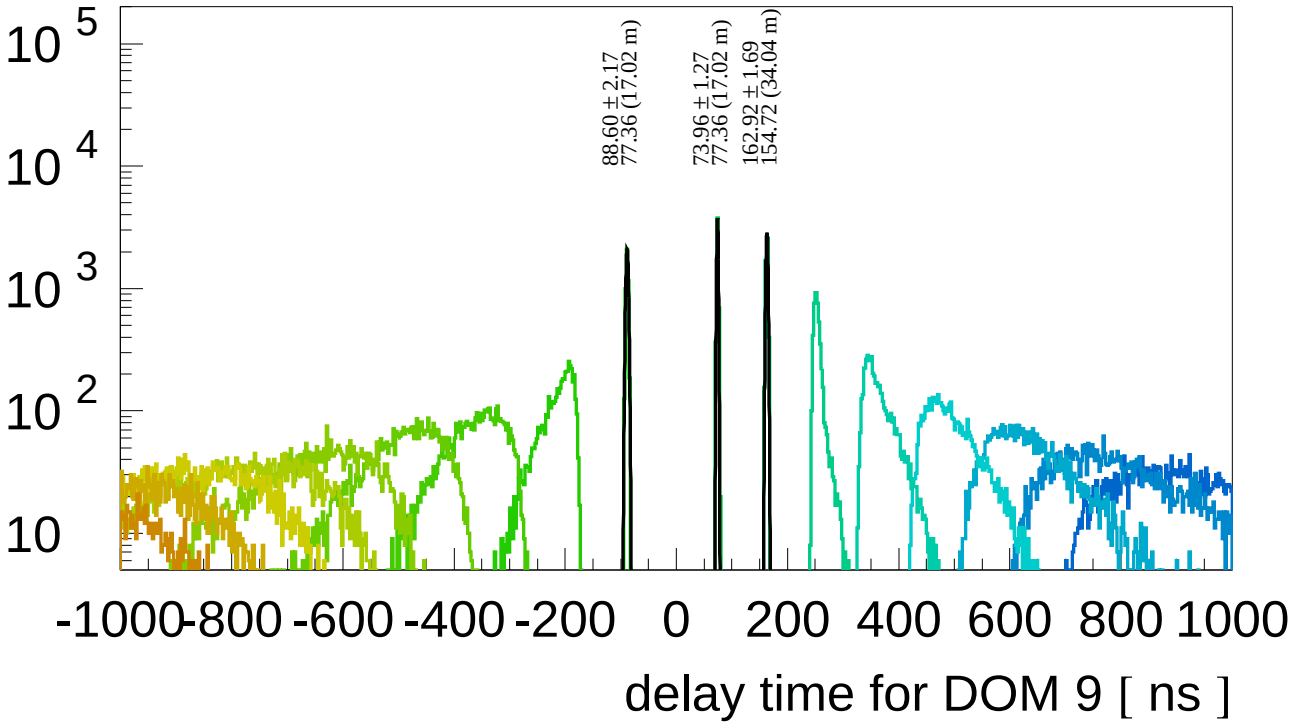

10 5
10 4
10 3
10 2
10
79.06 ± 1.70
77.36 (17.02 m)
69.96 ± 1.33
77.36 (17.02 m)
160.10 ± 1.59
154.72 (34.04 m)
247.97 ± 5.72
232.07 (51.06 m)
-1000 -800 -600 -400 -200 0 200 400 600 800 1000
delay time for DOM 4 [ns]

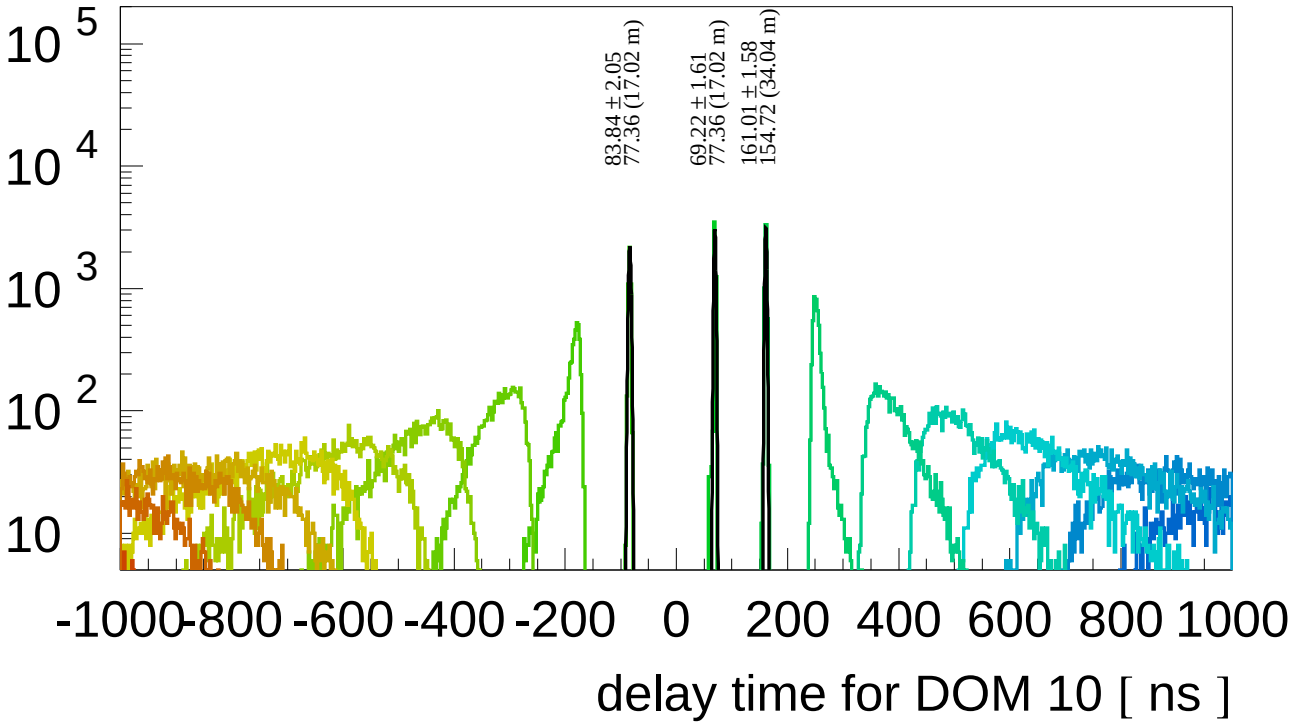

10 5
10 4
10 3
10 2
10
78.00 ± 1.82
77.36 (17.02 m)
72.21 ± 1.26
77.36 (17.02 m)
158.29 ± 1.71
154.72 (34.04 m)
248.61 ± 4.33
232.07 (51.06 m)
-1000 -800 -600 -400 -200 0 200 400 600 800 1000
delay time for DOM 5 [ns]

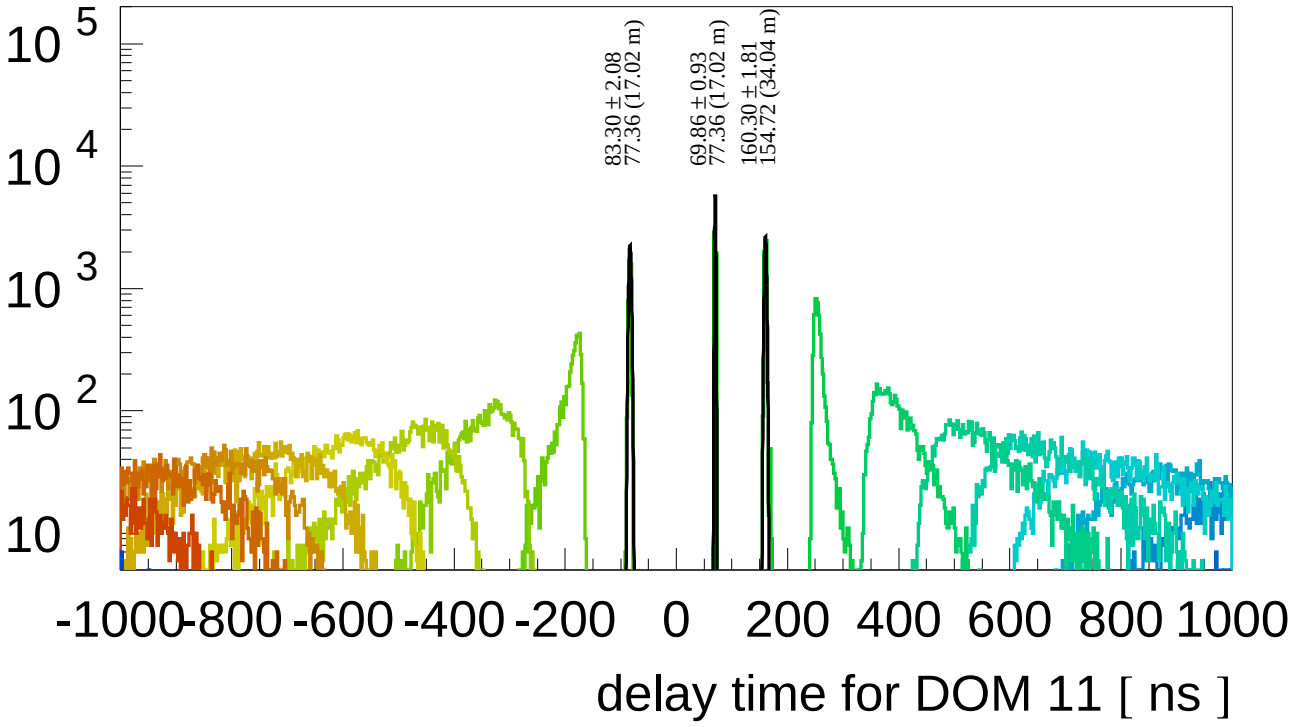

10 5
10 4
10 3
10 2
10
80.08 ± 2.11
77.36 (17.02 m)
68.16 ± 1.13
77.36 (17.02 m)
155.00 ± 1.25
154.72 (34.04 m)
242.54 ± 2.52
232.07 (51.06 m)
-1000 -800 -600 -400 -200 0 200 400 600 800 1000
delay time for DOM 6 [ns]

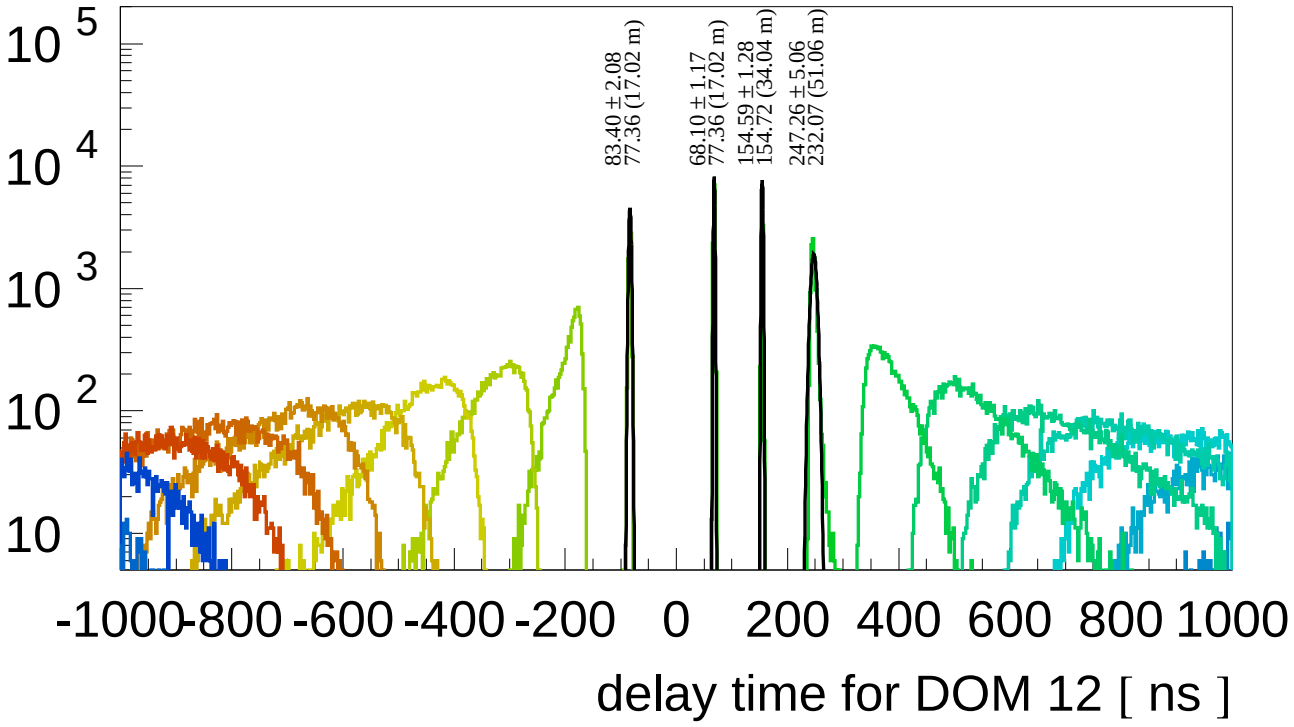

10 5
10 4
10 3
10 2
10
88.05 ± 2.84
77.36 (17.02 m)
70.63 ± 1.24
77.36 (17.02 m)
154.28 ± 1.45
154.72 (34.04 m)
243.38 ± 1.98
232.07 (51.06 m)
-1000 -800 -600 -400 -200 0 200 400 600 800 1000
delay time for DOM 7 [ns]

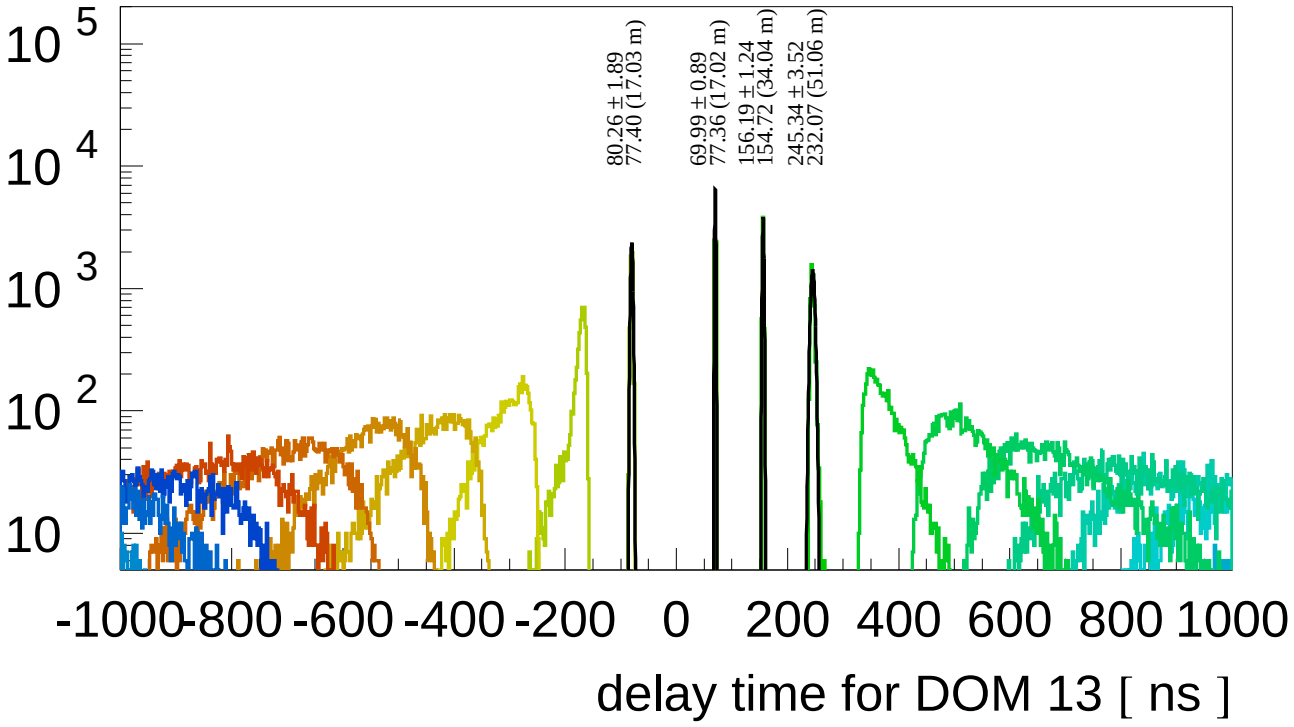

10 5
10 4
10 3
10 2
10
84.78 ± 2.05
77.36 (17.02 m)
69.63 ± 1.18
77.36 (17.02 m)
157.58 ± 1.38
154.72 (34.04 m)
241.06 ± 2.64
232.07 (51.06 m)
-1000 -800 -600 -400 -200 0 200 400 600 800 1000
delay time for DOM 8 [ns]

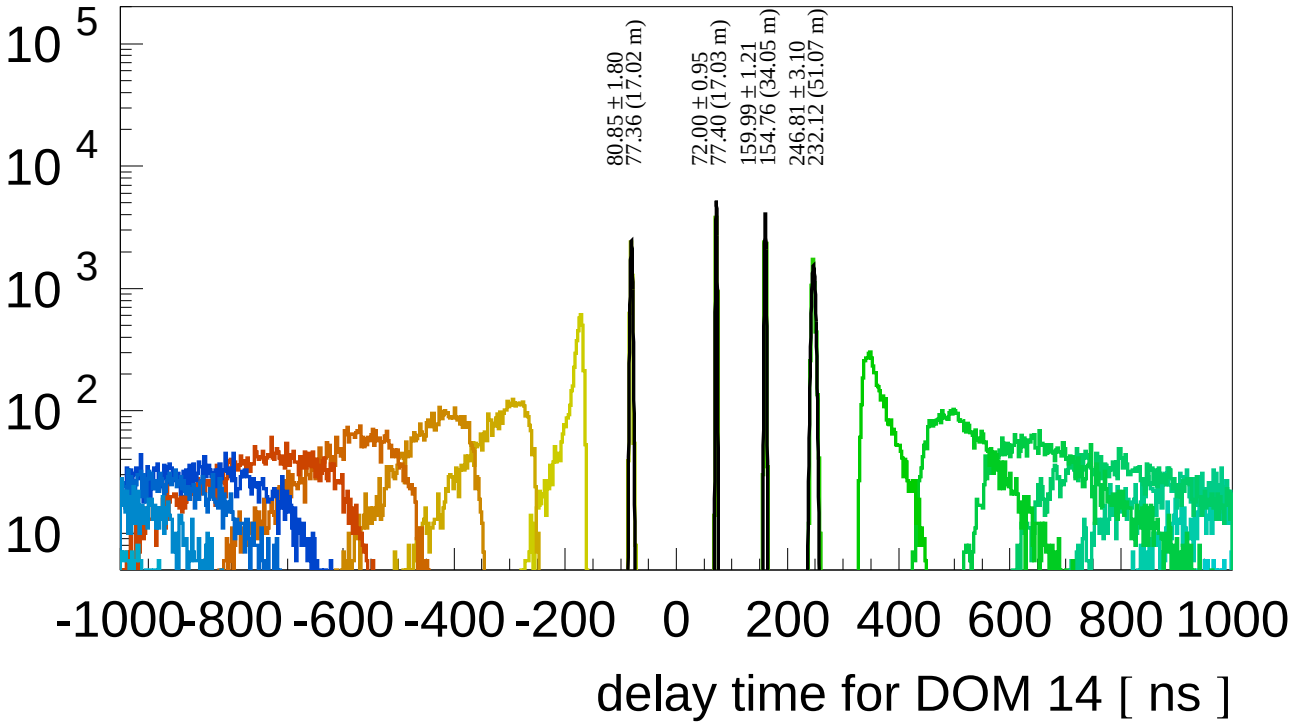

10 5
10 4
10 3
10 2
10
88.60 ± 2.17
77.36 (17.02 m)
73.96 ± 1.27
77.36 (17.02 m)
162.92 ± 1.69
154.72 (34.04 m)
-1000 -800 -600 -400 -200 0 200 400 600 800 1000
delay time for DOM 9 [ns]

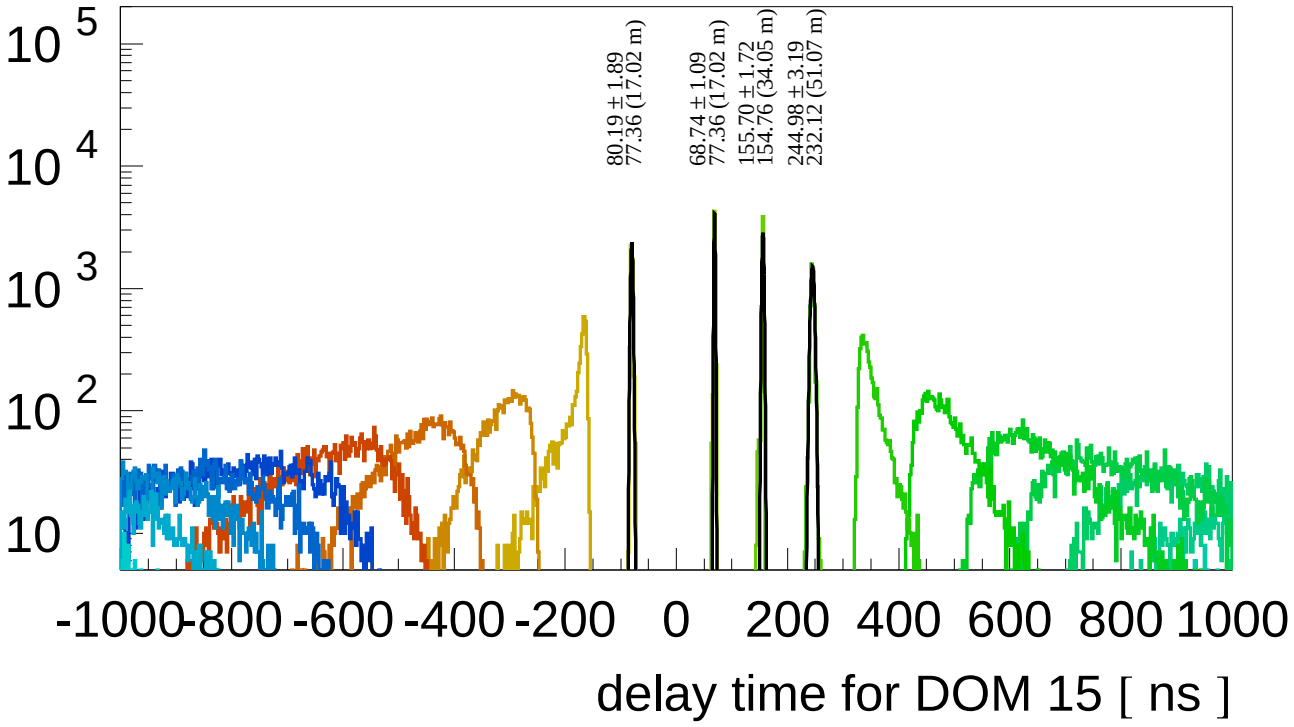

10 5
10 4
10 3
10 2
10
83.84 ± 2.05
77.36 (17.02 m)
69.22 ± 1.61
77.36 (17.02 m)
161.01 ± 1.58
154.72 (34.04 m)
-1000 -800 -600 -400 -200 0 200 400 600 800 1000
delay time for DOM 10 [ns]

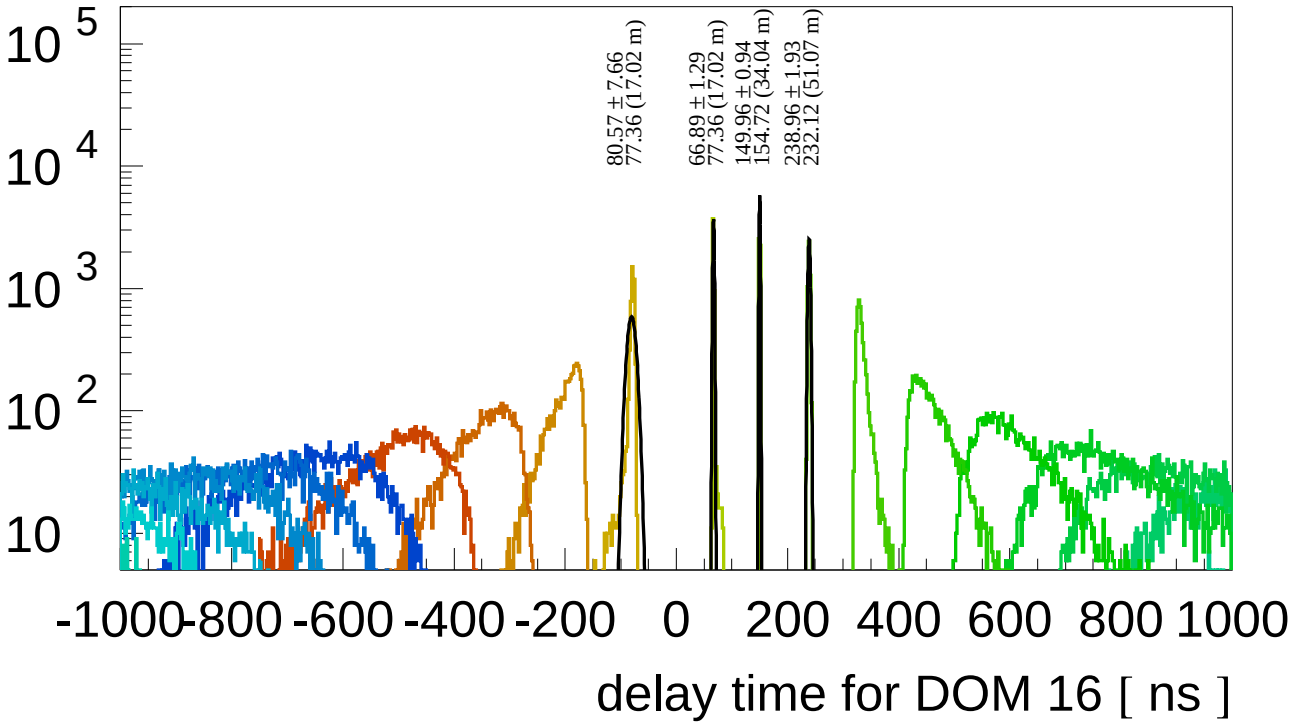

10 5
10 4
10 3
10 2
10
83.30 ± 2.08
77.36 (17.02 m)
69.86 ± 0.93
77.36 (17.02 m)
160.30 ± 1.81
154.72 (34.04 m)
-1000 -800 -600 -400 -200 0 200 400 600 800 1000
delay time for DOM 11 [ns]

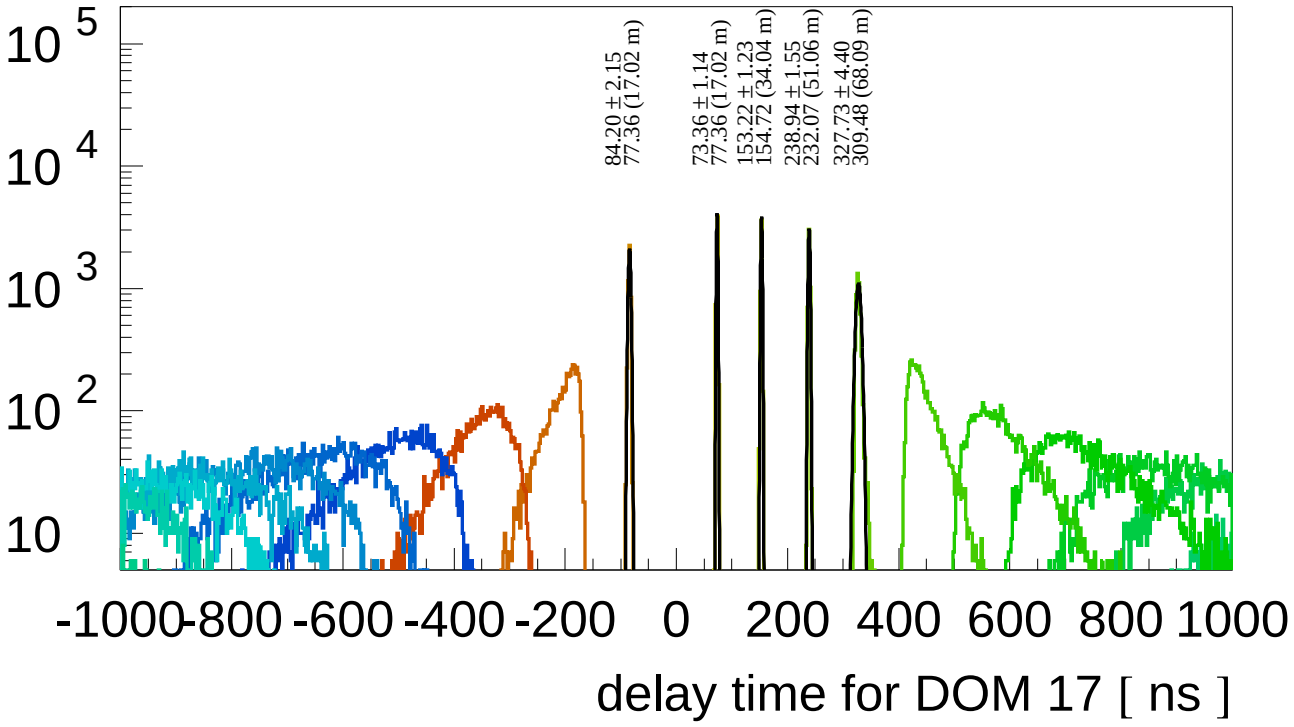

10 5
10 4
10 3
10 2
10
83.40 ± 2.08
77.36 (17.02 m)
68.10 ± 1.17
77.36 (17.02 m)
154.59 ± 1.28
154.72 (34.04 m)
247.26 ± 5.06
232.07 (51.06 m)
-1000 -800 -600 -400 -200 0 200 400 600 800 1000
delay time for DOM 12 [ns]

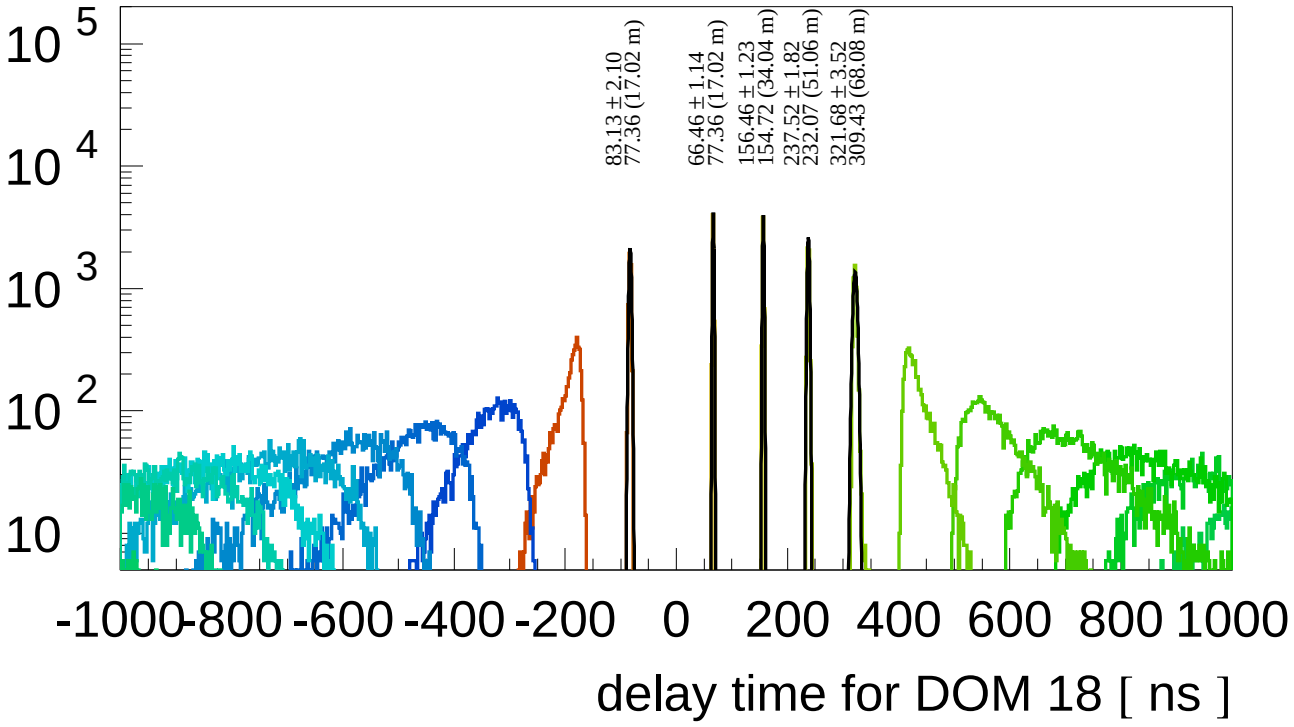

10 5
10 4
10 3
10 2
10
80.26 ± 1.89
77.40 (17.03 m)
69.99 ± 0.89
77.36 (17.02 m)
156.19 ± 1.24
154.72 (34.04 m)
245.34 ± 3.52
232.07 (51.06 m)
-1000 -800 -600 -400 -200 0 200 400 600 800 1000
delay time for DOM 13 [ns]

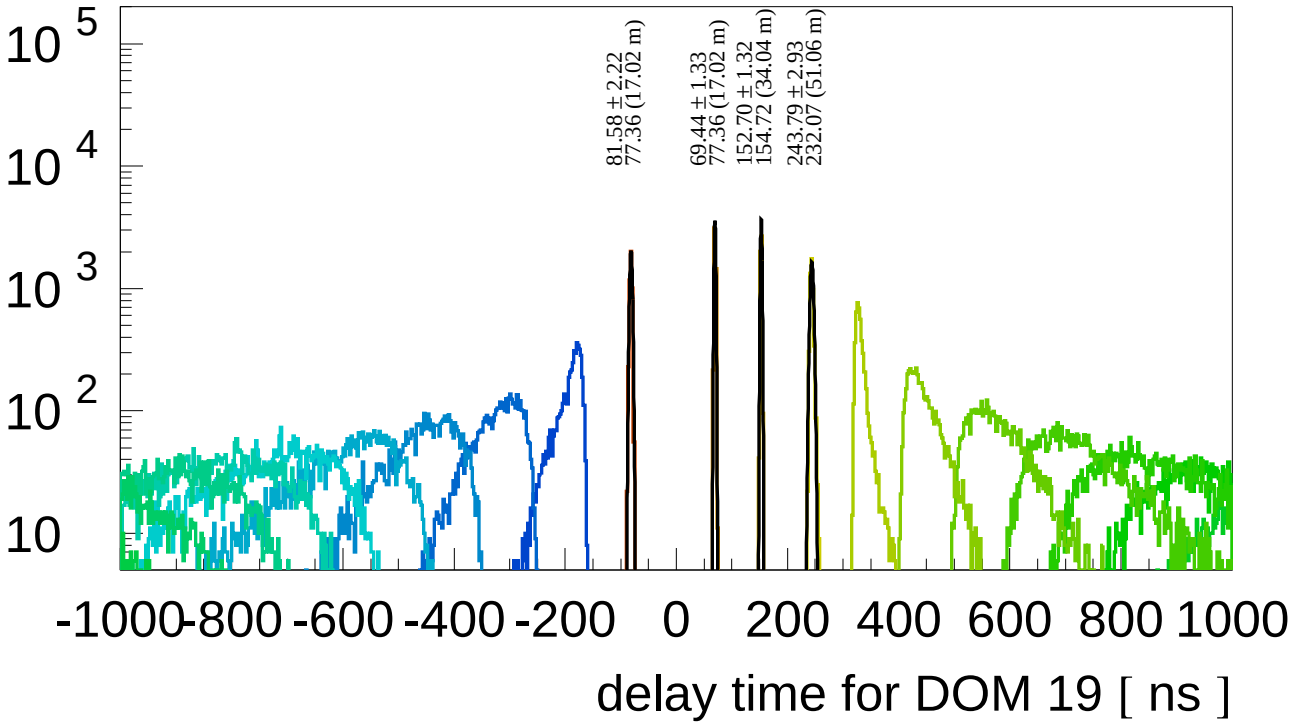

10 5
10 4
10 3
10 2
10
80.85 ± 1.80
77.36 (17.02 m)
72.00 ± 0.95
77.40 (17.03 m)
159.99 ± 1.21
154.76 (34.05 m)
246.81 ± 3.10
232.12 (51.07 m)
-1000 -800 -600 -400 -200 0 200 400 600 800 1000
delay time for DOM 14 [ns]

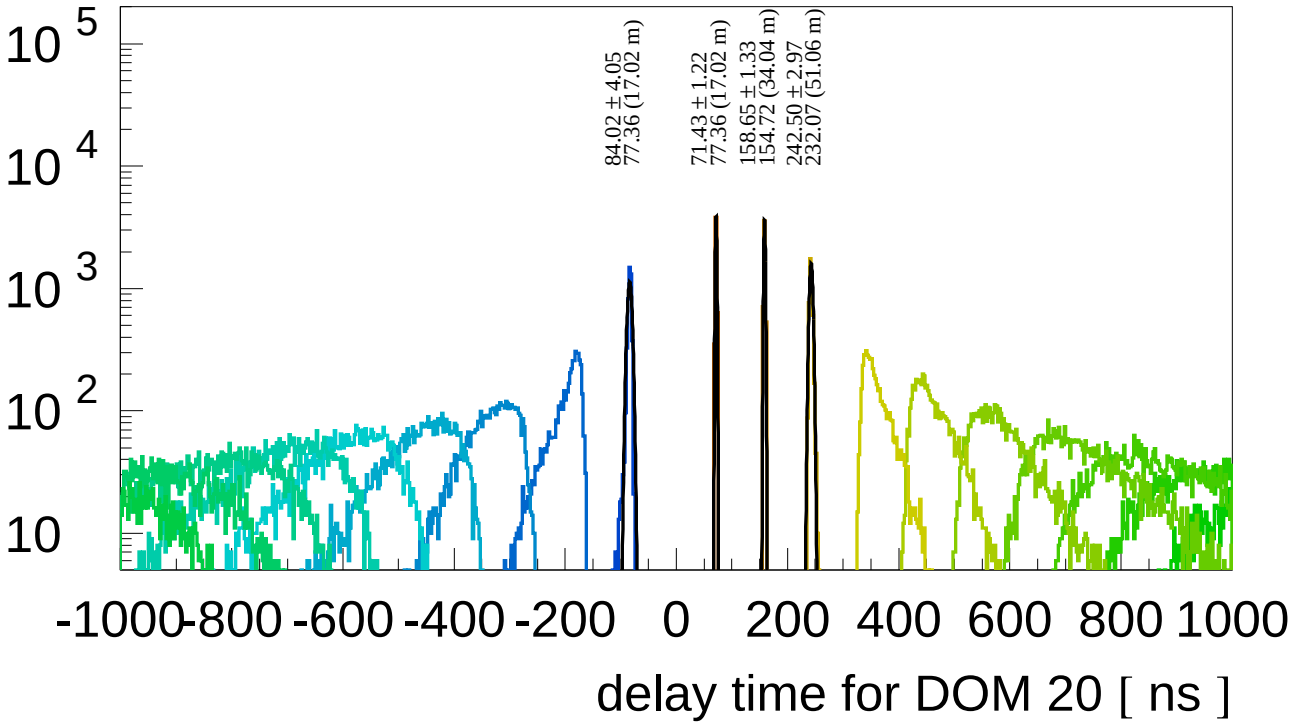

10 5
10 4
10 3
10 2
10
80.19 ± 1.89
77.36 (17.02 m)
68.74 ± 1.09
77.36 (17.02 m)
155.70 ± 1.72
154.76 (34.05 m)
244.98 ± 3.19
232.12 (51.07 m)
-1000 -800 -600 -400 -200 0 200 400 600 800 1000
delay time for DOM 15 [ns]

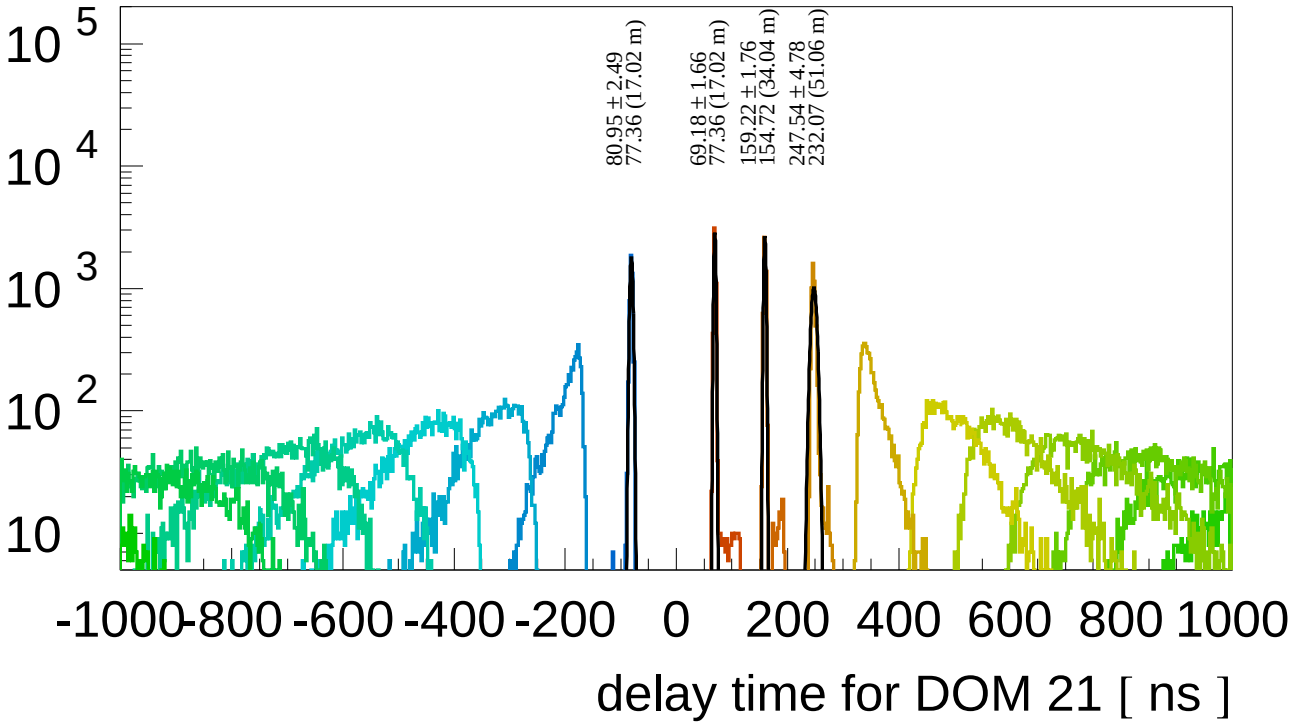

10 5
10 4
10 3
10 2
10
80.57 ± 7.66
77.36 (17.02 m)
66.89 ± 1.29
77.36 (17.02 m)
149.96 ± 0.94
154.72 (34.04 m)
238.96 ± 1.93
232.12 (51.07 m)
-1000 -800 -600 -400 -200 0 200 400 600 800 1000
delay time for DOM 16 [ns]

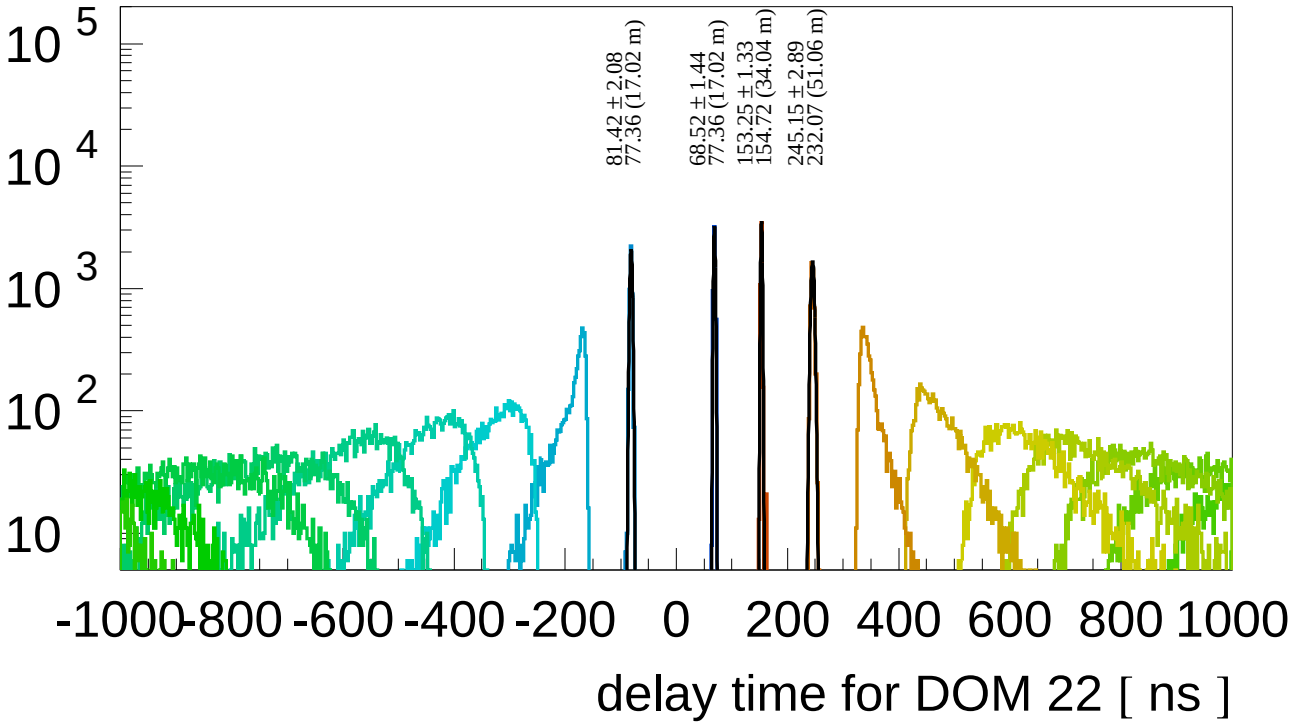

84.20 ± 2.15
77.36 (17.02 m)
73.36 ± 1.14
77.36 (17.02 m)
153.22 ± 1.23
154.72 (34.04 m)
238.94 ± 1.55
232.07 (51.06 m)
327.73 ± 4.40
309.48 (68.09 m)
10 5
10 4
10 3
10 2
10
-1000 -800 -600 -400 -200 0 200 400 600 800 1000
delay time for DOM 17 [ns]

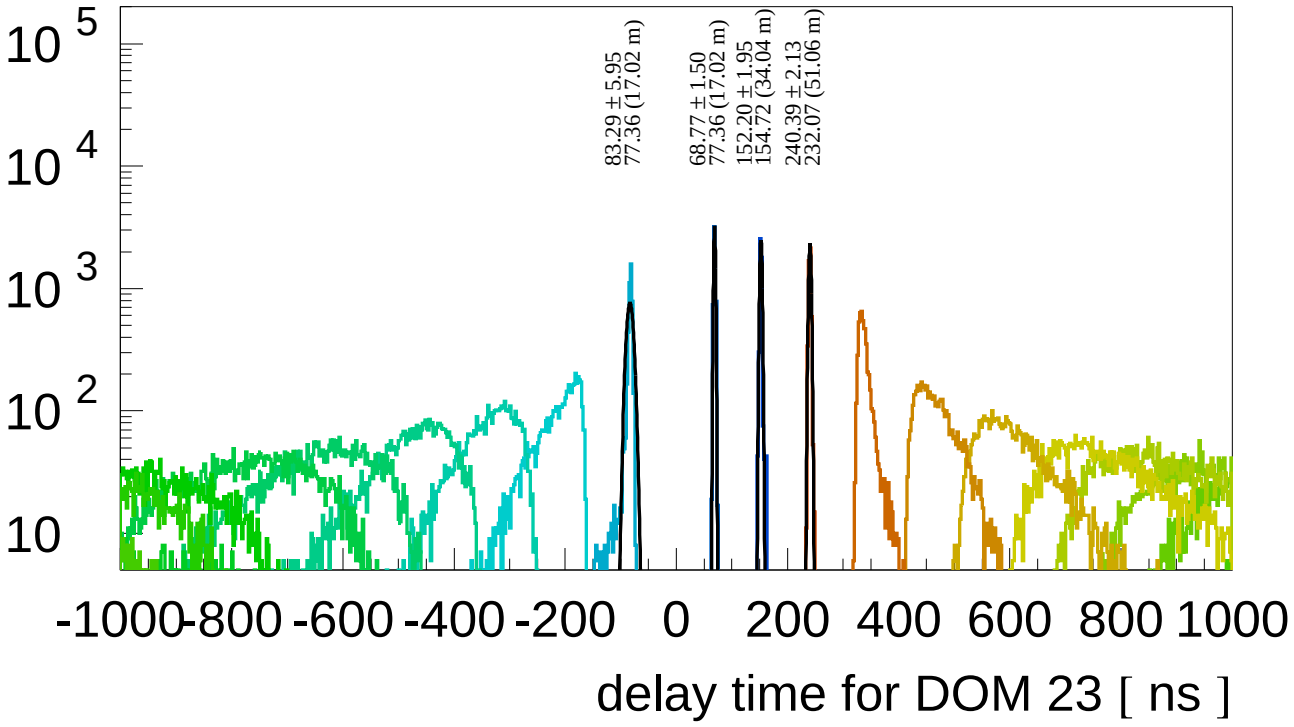

10 5
10 4
10 3
10 2
10
83.13 ± 2.10
77.36 (17.02 m)
66.46 ± 1.14
77.36 (17.02 m)
156.46 ± 1.23
154.72 (34.04 m)
237.52 ± 1.82
232.07 (51.06 m)
321.68 ± 3.52
309.43 (68.08 m)
-1000 -800 -600 -400 -200 0 200 400 600 800 1000
delay time for DOM 18 [ns]

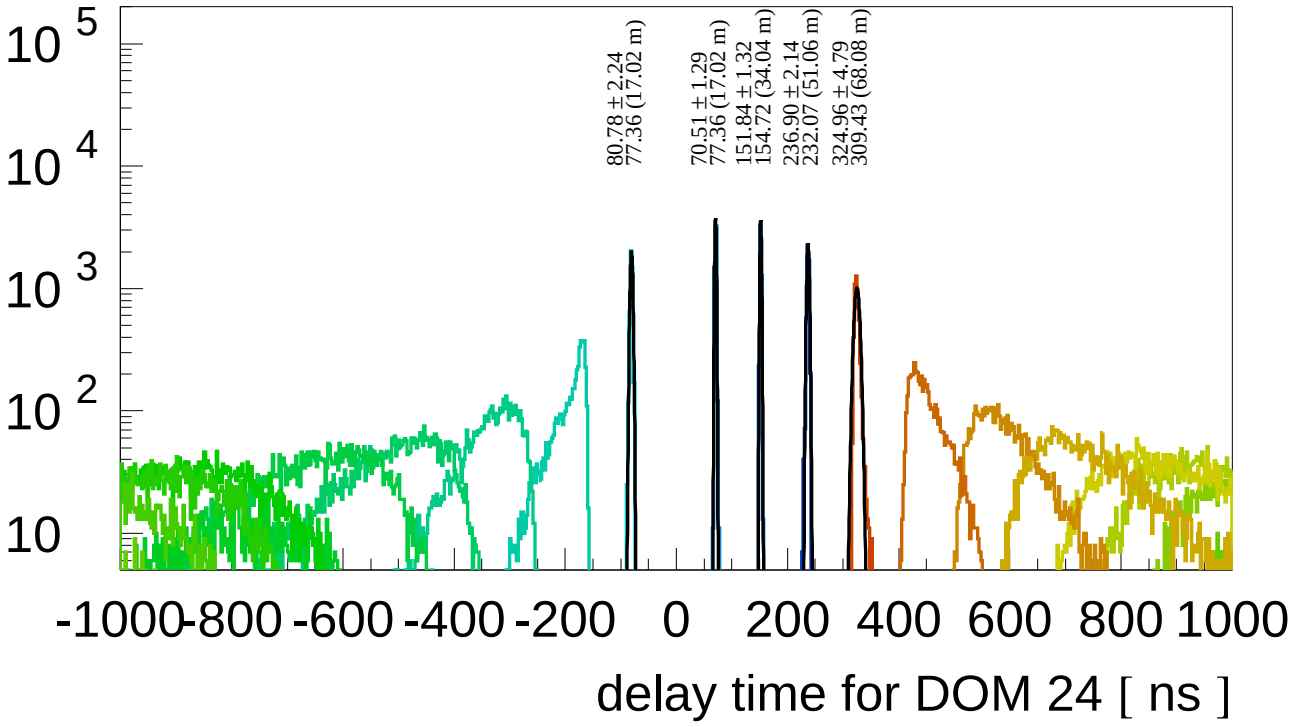

10 5
10 4
10 3
10 2
10
81.58 ± 2.22
77.36 (17.02 m)
69.44 ± 1.33
77.36 (17.02 m)
152.70 ± 1.32
154.72 (34.04 m)
243.79 ± 2.93
232.07 (51.06 m)
-1000 -800 -600 -400 -200 0 200 400 600 800 1000
delay time for DOM 19 [ns]

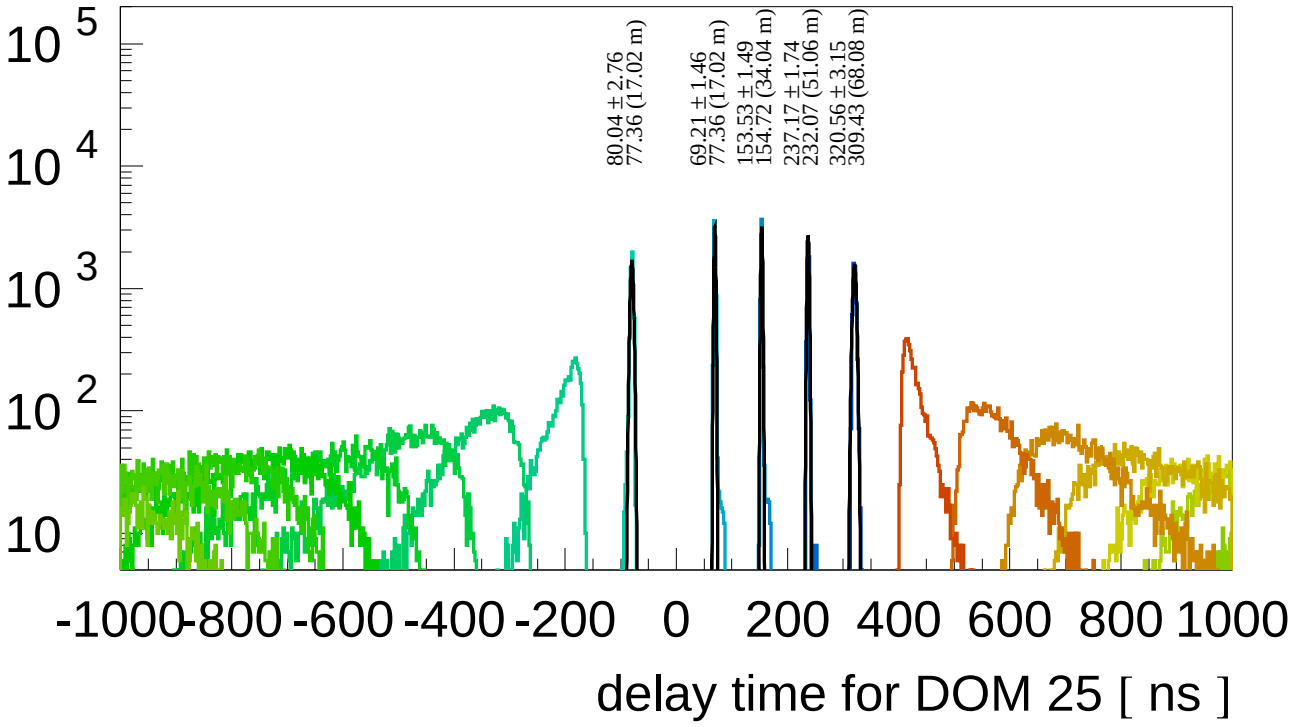

10 5
10 4
10 3
10 2
10
84.02 ± 4.05
77.36 (17.02 m)
71.43 ± 1.22
77.36 (17.02 m)
158.65 ± 1.33
154.72 (34.04 m)
242.50 ± 2.97
232.07 (51.06 m)
-1000 -800 -600 -400 -200 0 200 400 600 800 1000
delay time for DOM 20 [ns]

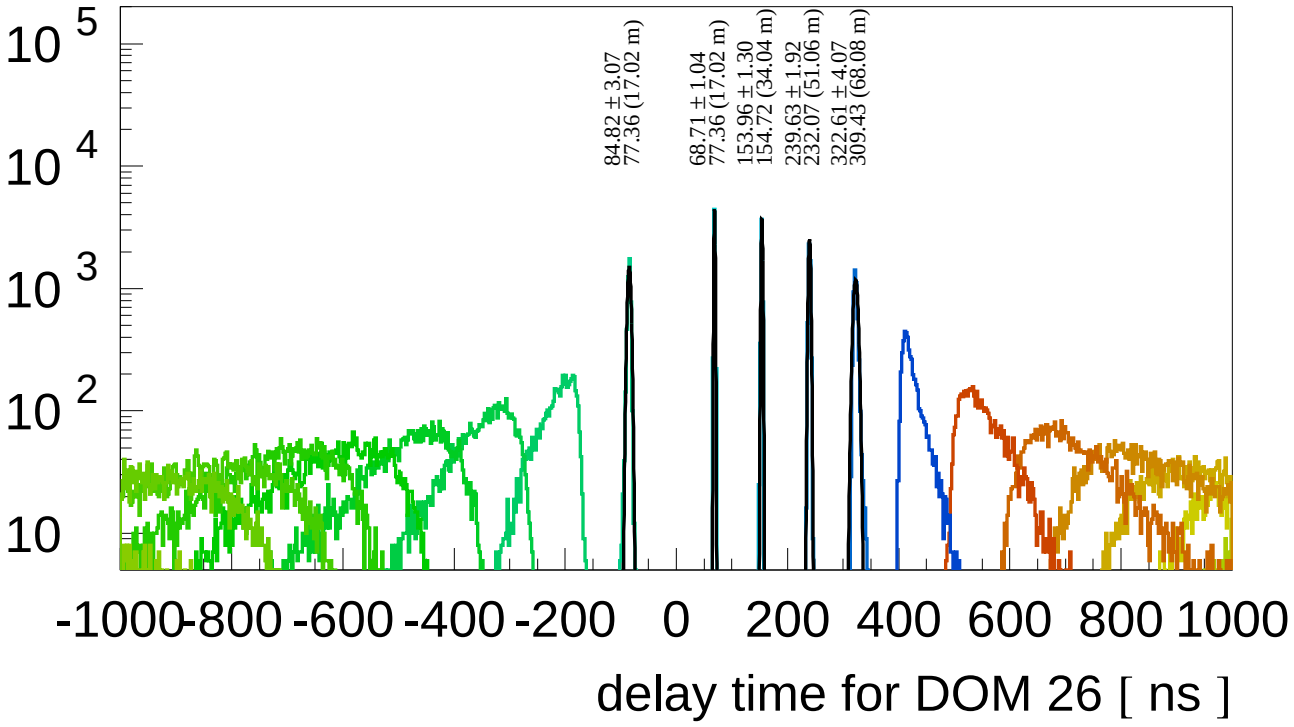

10 5
10 4
10 3
10 2
10
80.95 ± 2.49
77.36 (17.02 m)
69.18 ± 1.66
77.36 (17.02 m)
159.22 ± 1.76
154.72 (34.04 m)
247.54 ± 4.78
232.07 (51.06 m)
-1000 -800 -600 -400 -200 0 200 400 600 800 1000
delay time for DOM 21 [ns]

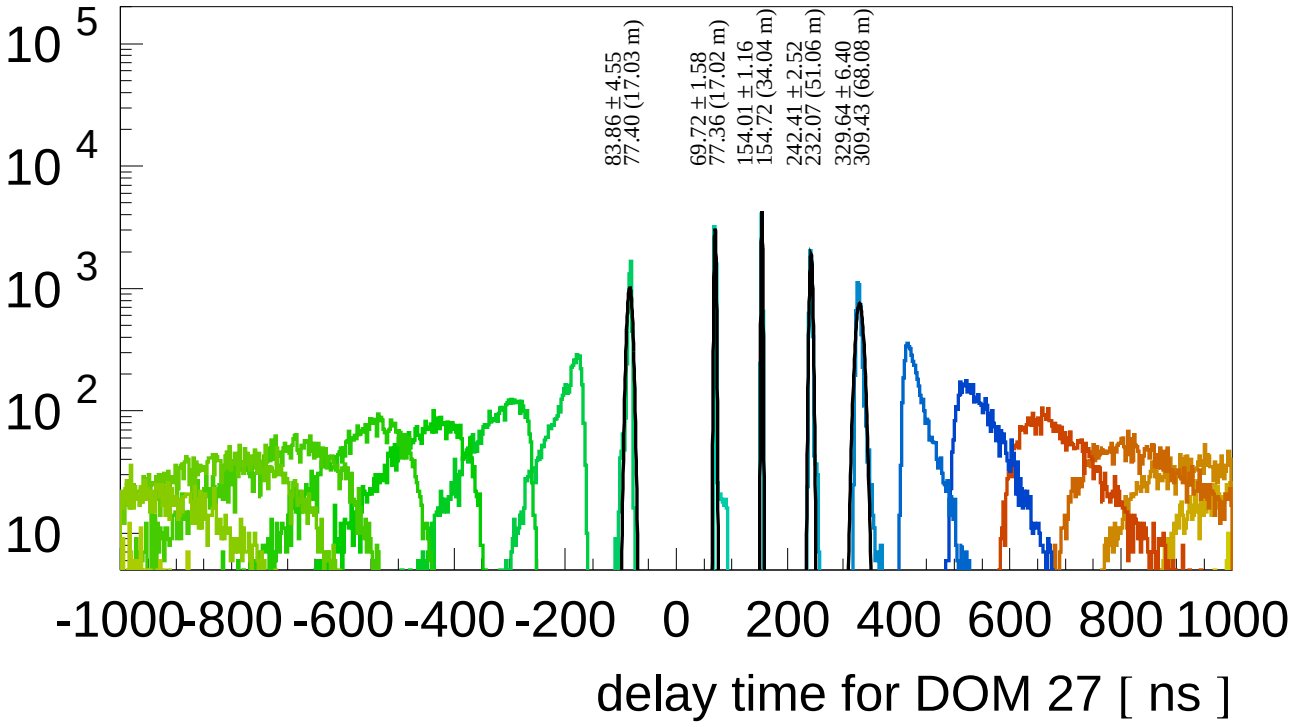

10 5
10 4
10 3
10 2
10
81.42 ± 2.08
77.36 (17.02 m)
68.52 ± 1.44
77.36 (17.02 m)
153.25 ± 1.33
154.72 (34.04 m)
245.15 ± 2.89
232.07 (51.06 m)
-1000 -800 -600 -400 -200 0 200 400 600 800 1000
delay time for DOM 22 [ns]

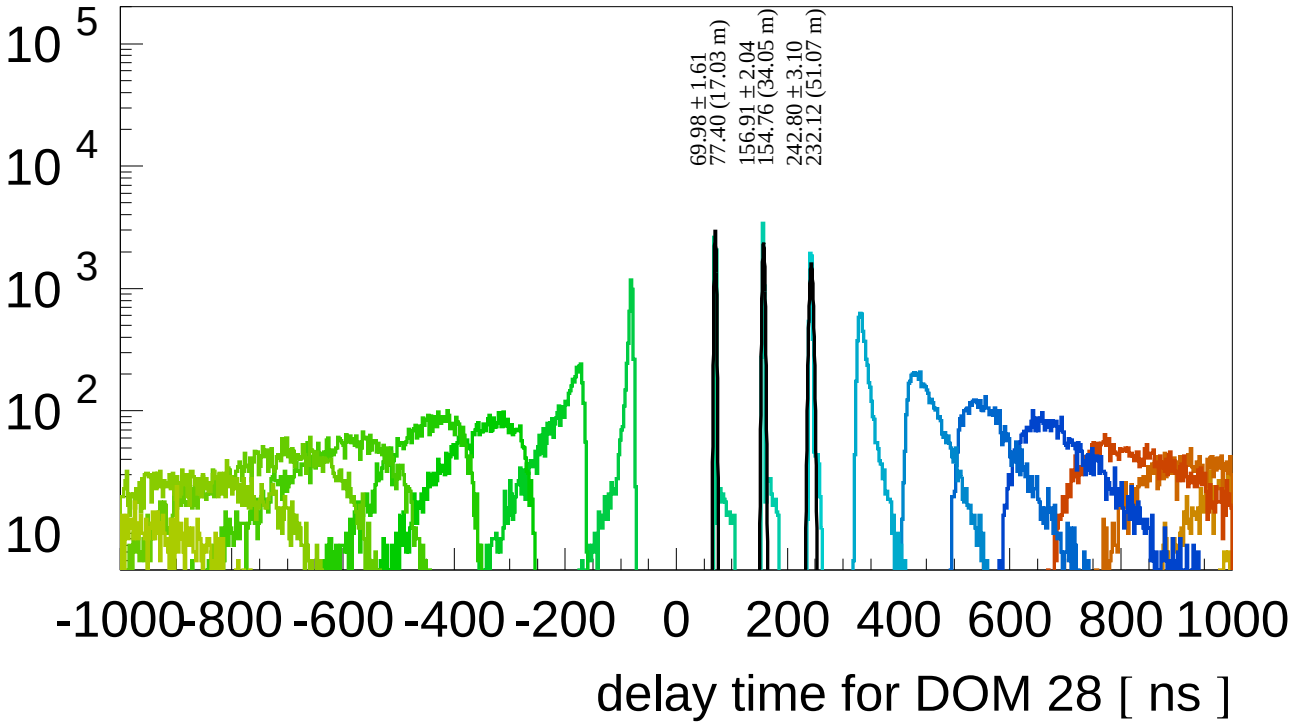

10 5
10 4
10 3
10 2
10
83.29 ± 5.95
77.36 (17.02 m)
68.77 ± 1.50
77.36 (17.02 m)
152.20 ± 1.95
154.72 (34.04 m)
240.39 ± 2.13
232.07 (51.06 m)
-1000 -800 -600 -400 -200 0 200 400 600 800 1000
delay time for DOM 23 [ns]

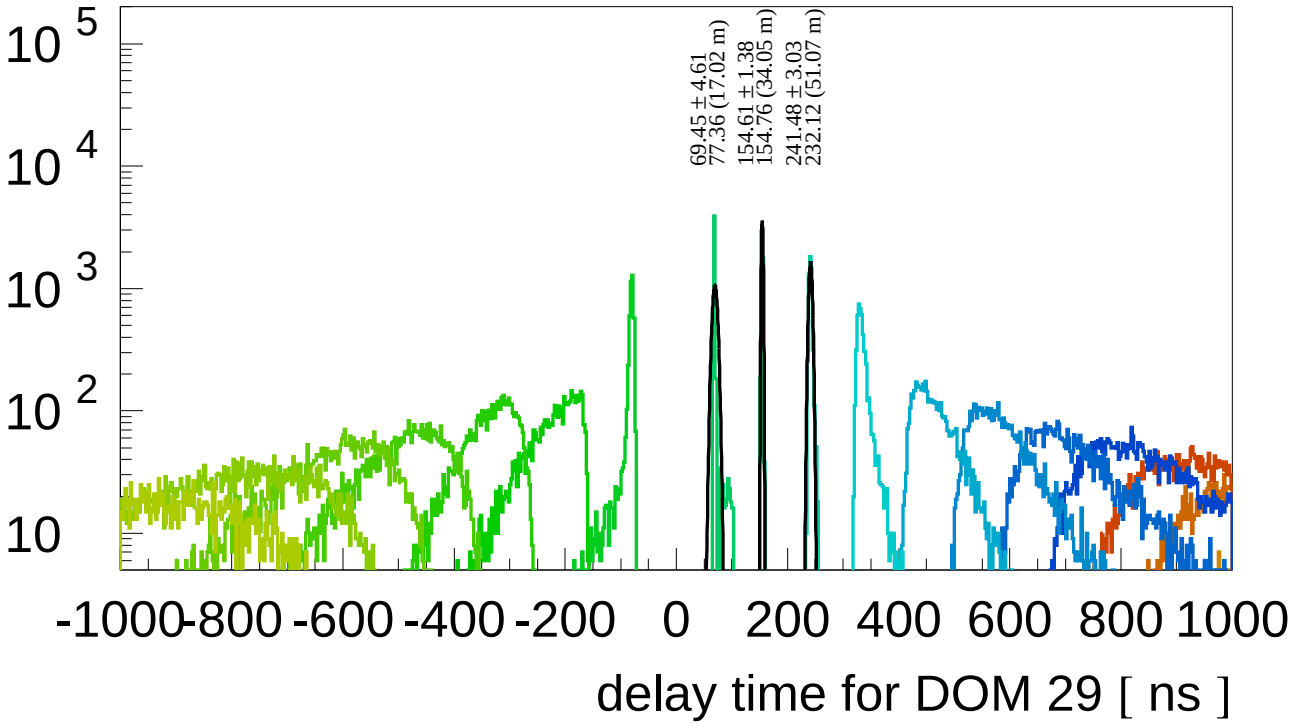

10 5
10 4
10 3
10 2
10
80.78 ± 2.24
77.36 (17.02 m)
70.51 ± 1.29
77.36 (17.02 m)
151.84 ± 1.32
154.72 (34.04 m)
236.90 ± 2.14
232.07 (51.06 m)
324.96 ± 4.79
309.43 (68.08 m)
-1000 -800 -600 -400 -200 0 200 400 600 800 1000
delay time for DOM 24 [ns]

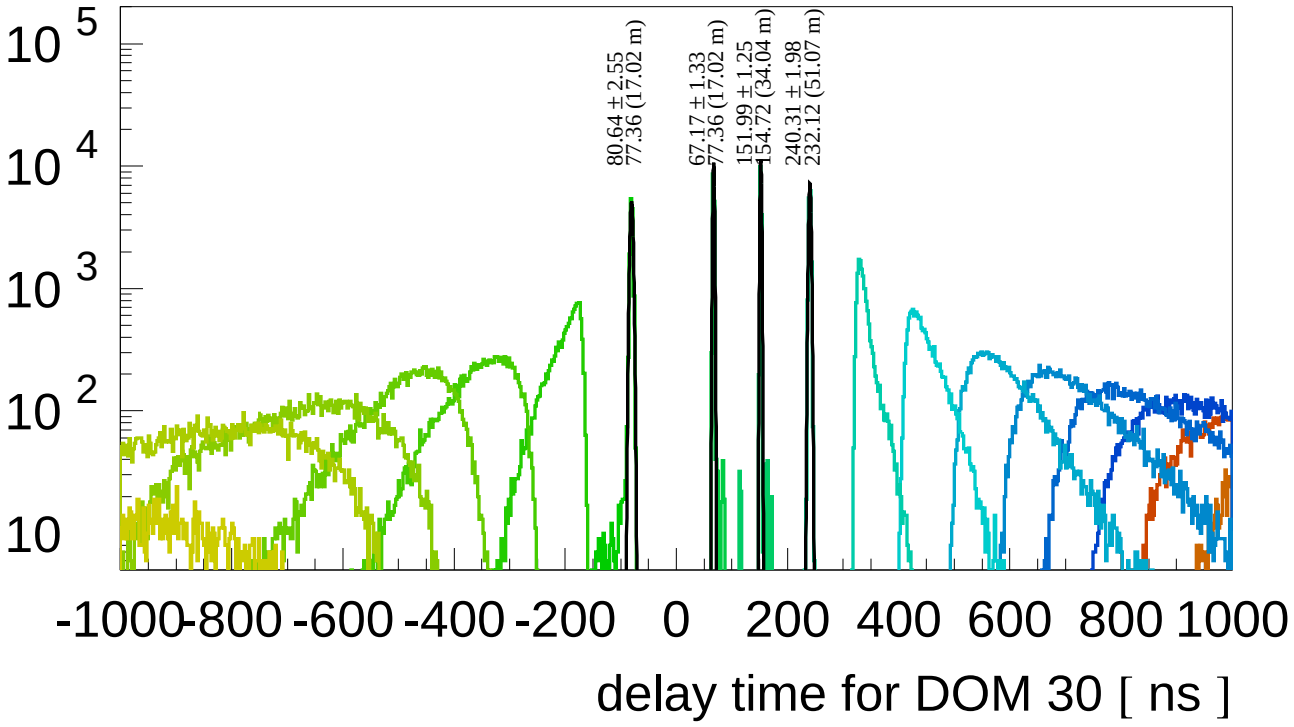

10 5
10 4
10 3
10 2
10
80.04 ± 2.76
77.36 (17.02 m)
69.21 ± 1.46
77.36 (17.02 m)
153.53 ± 1.49
154.72 (34.04 m)
237.17 ± 1.74
232.07 (51.06 m)
320.56 ± 3.15
309.43 (68.08 m)
-1000 -800 -600 -400 -200 0 200 400 600 800 1000
delay time for DOM 25 [ns]

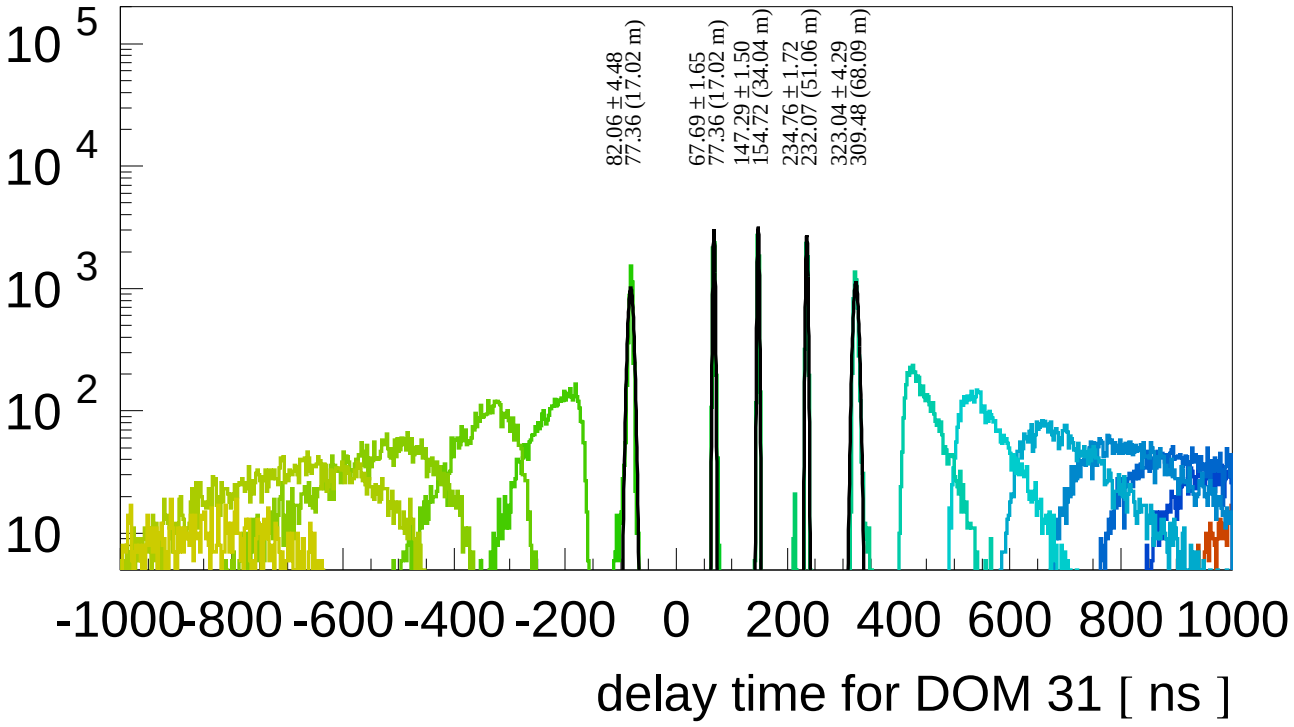

10 5
10 4
10 3
10 2
10
84.82 ± 3.07
77.36 (17.02 m)
68.71 ± 1.04
77.36 (17.02 m)
153.96 ± 1.30
154.72 (34.04 m)
239.63 ± 1.92
232.07 (51.06 m)
322.61 ± 4.07
309.43 (68.08 m)
-1000 -800 -600 -400 -200 0 200 400 600 800 1000
delay time for DOM 26 [ns]

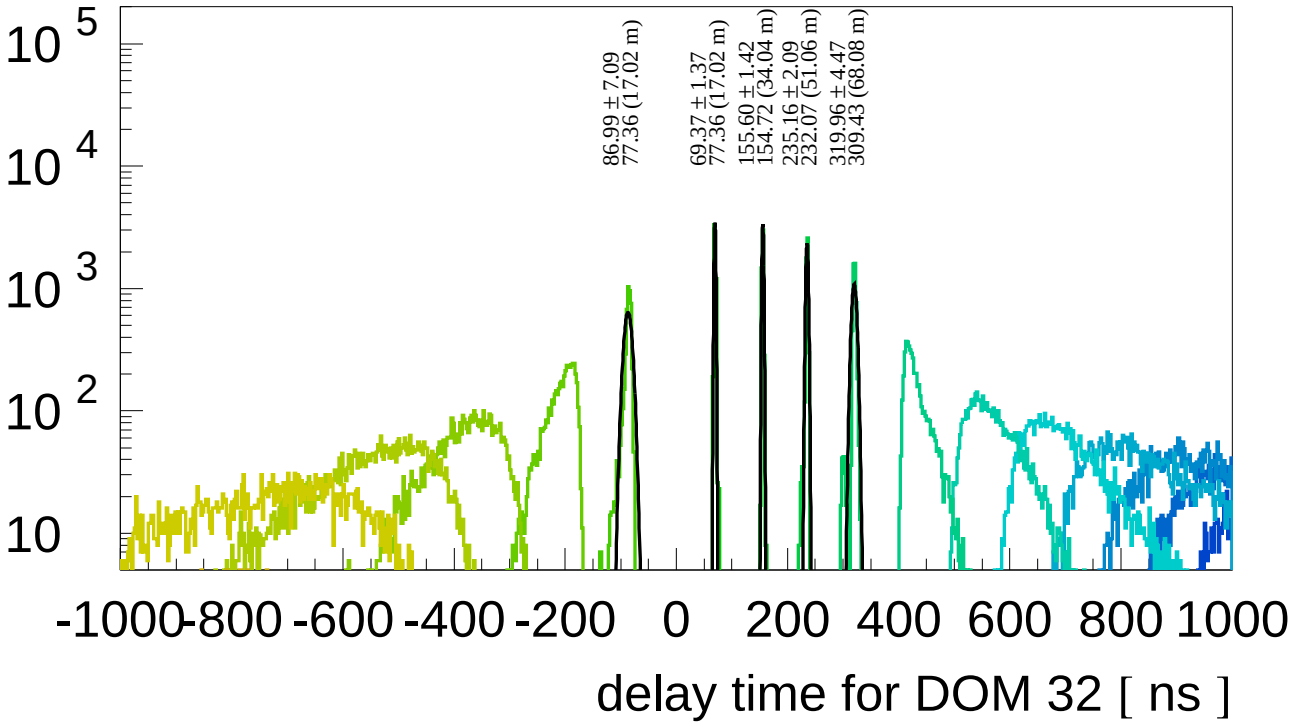

10 5
10 4
10 3
10 2
10
83.86 ± 4.55
77.40 (17.03 m)
69.72 ± 1.58
77.36 (17.02 m)
154.01 ± 1.16
154.72 (34.04 m)
242.41 ± 2.52
232.07 (51.06 m)
329.64 ± 6.40
309.43 (68.08 m)
-1000 -800 -600 -400 -200 0 200 400 600 800 1000
delay time for DOM 27 [ns]

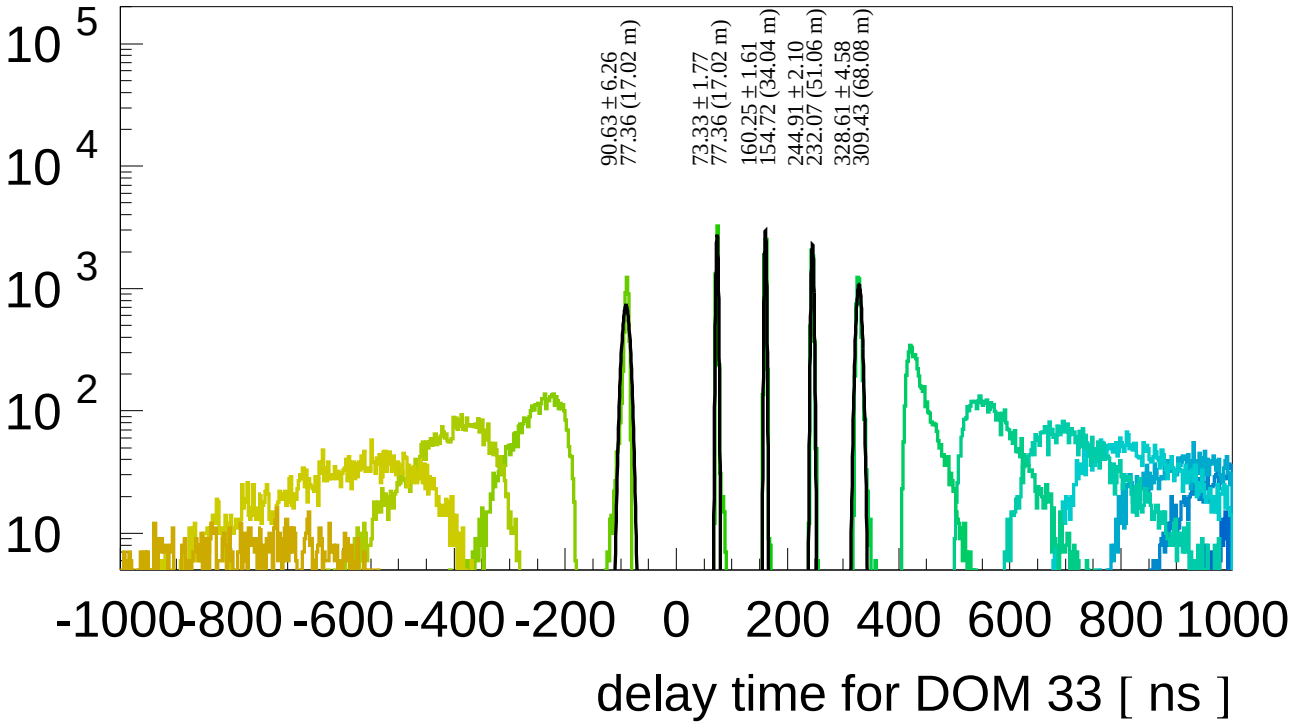

10 5
10 4
10 3
10 2
10
69.98 ± 1.61
77.40 (17.03 m)
156.91 ± 2.04
154.76 (34.05 m)
242.80 ± 3.10
232.12 (51.07 m)
-1000 -800 -600 -400 -200 0 200 400 600 800 1000
delay time for DOM 28 [ns]

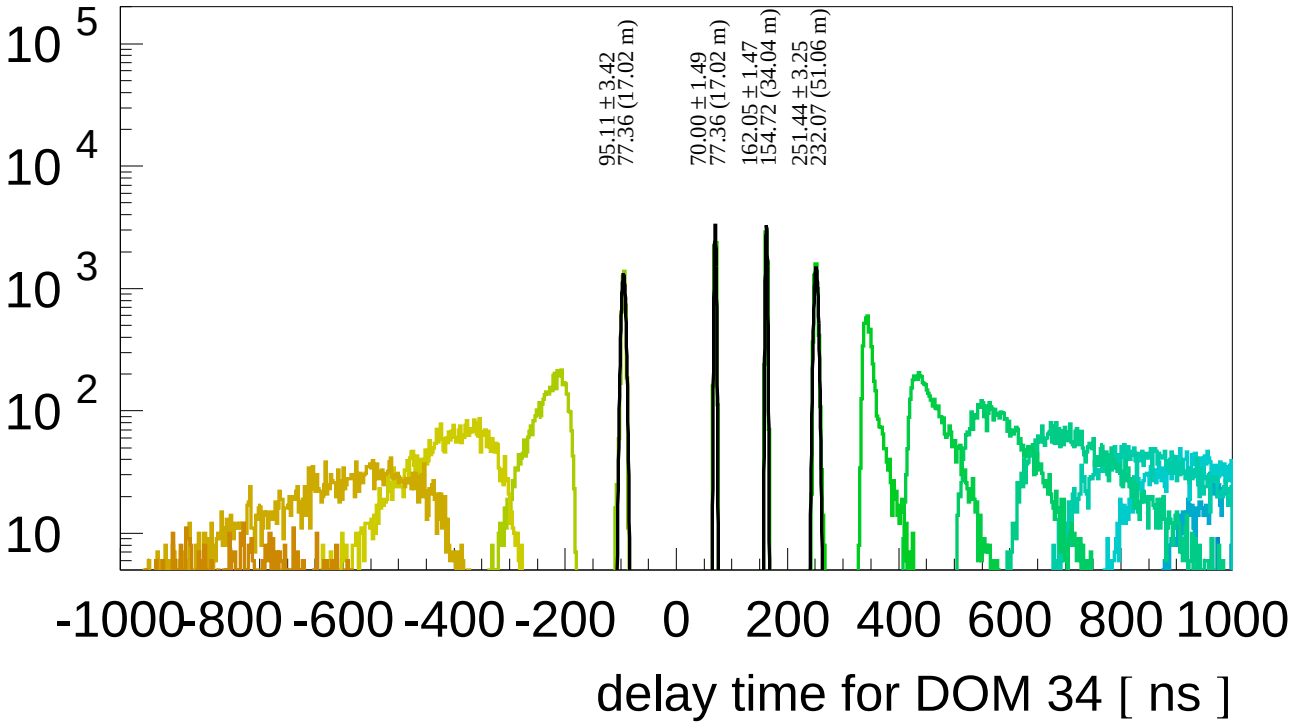

10 5
10 4
10 3
10 2
10
69.45 ± 4.61
77.36 (17.02 m)
154.61 ± 1.38
154.76 (34.05 m)
241.48 ± 3.03
232.12 (51.07 m)
-1000 -800 -600 -400 -200 0 200 400 600 800 1000
delay time for DOM 29 [ns]

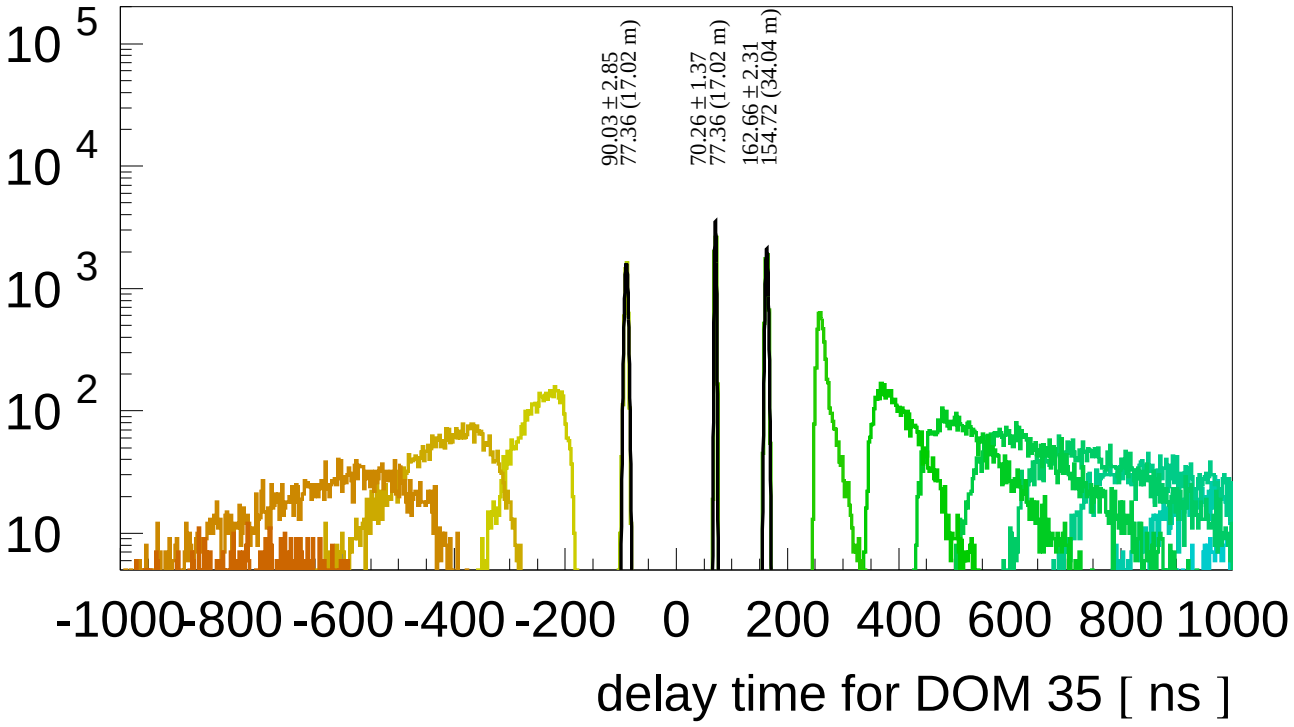

10 5
10 4
10 3
10 2
10
80.64 ± 2.55
77.36 (17.02 m)
67.17 ± 1.33
77.36 (17.02 m)
151.99 ± 1.25
154.72 (34.04 m)
240.31 ± 1.98
232.12 (51.07 m)
-1000 -800 -600 -400 -200 0 200 400 600 800 1000
delay time for DOM 30 [ns]

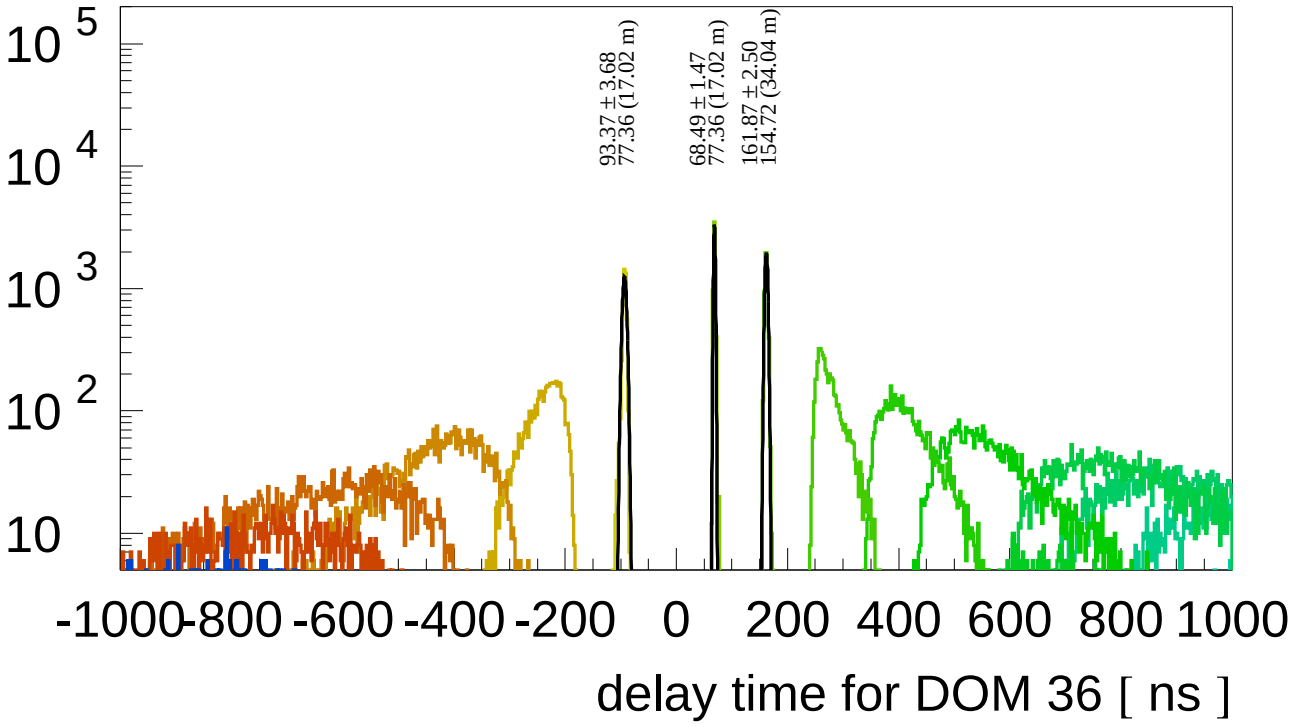

10 5
10 4
10 3
10 2
10
82.06 ± 4.48
77.36 (17.02 m)
67.69 ± 1.65
77.36 (17.02 m)
147.29 ± 1.50
154.72 (34.04 m)
234.76 ± 1.72
232.07 (51.06 m)
323.04 ± 4.29
309.48 (68.09 m)
-1000 -800 -600 -400 -200 0 200 400 600 800 1000
delay time for DOM 31 [ns]

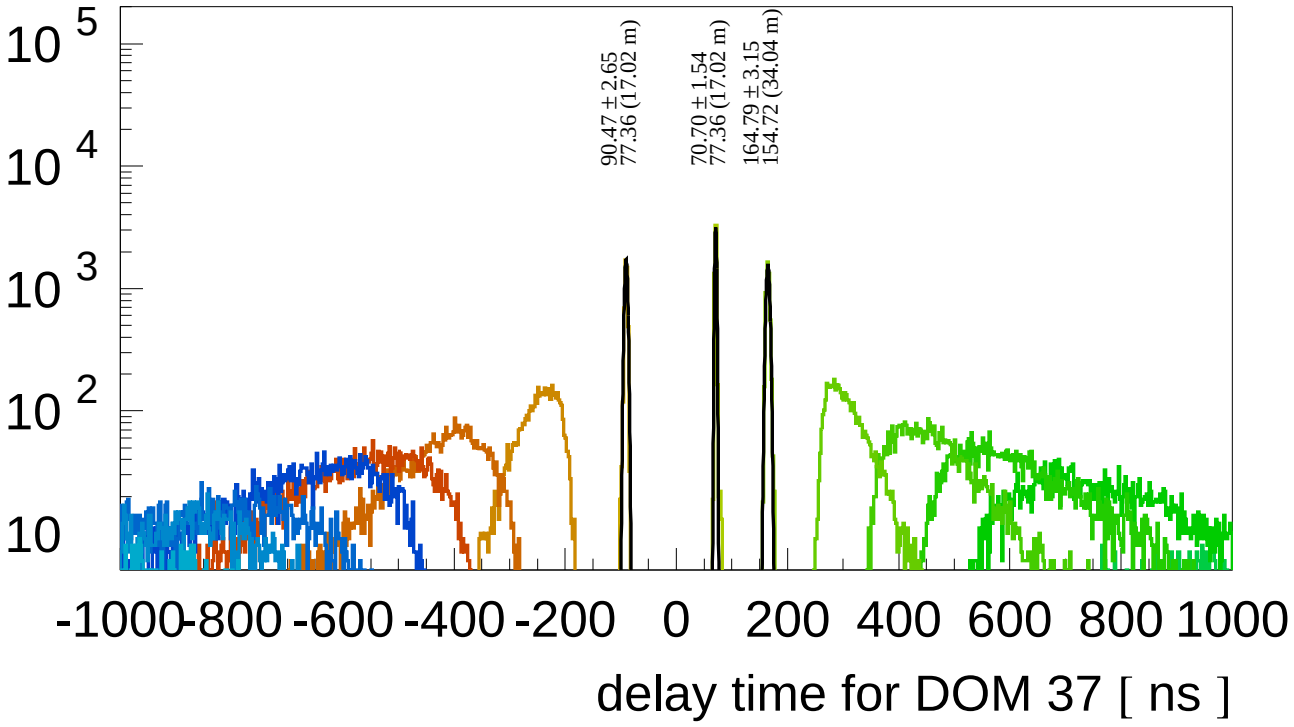

10 5
10 4
10 3
10 2
10
86.99 ± 7.09
77.36 (17.02 m)
69.37 ± 1.37
77.36 (17.02 m)
155.60 ± 1.42
154.72 (34.04 m)
235.16 ± 2.09
232.07 (51.06 m)
319.96 ± 4.47
309.43 (68.08 m)
-1000 -800 -600 -400 -200 0 200 400 600 800 1000
delay time for DOM 32 [ns]

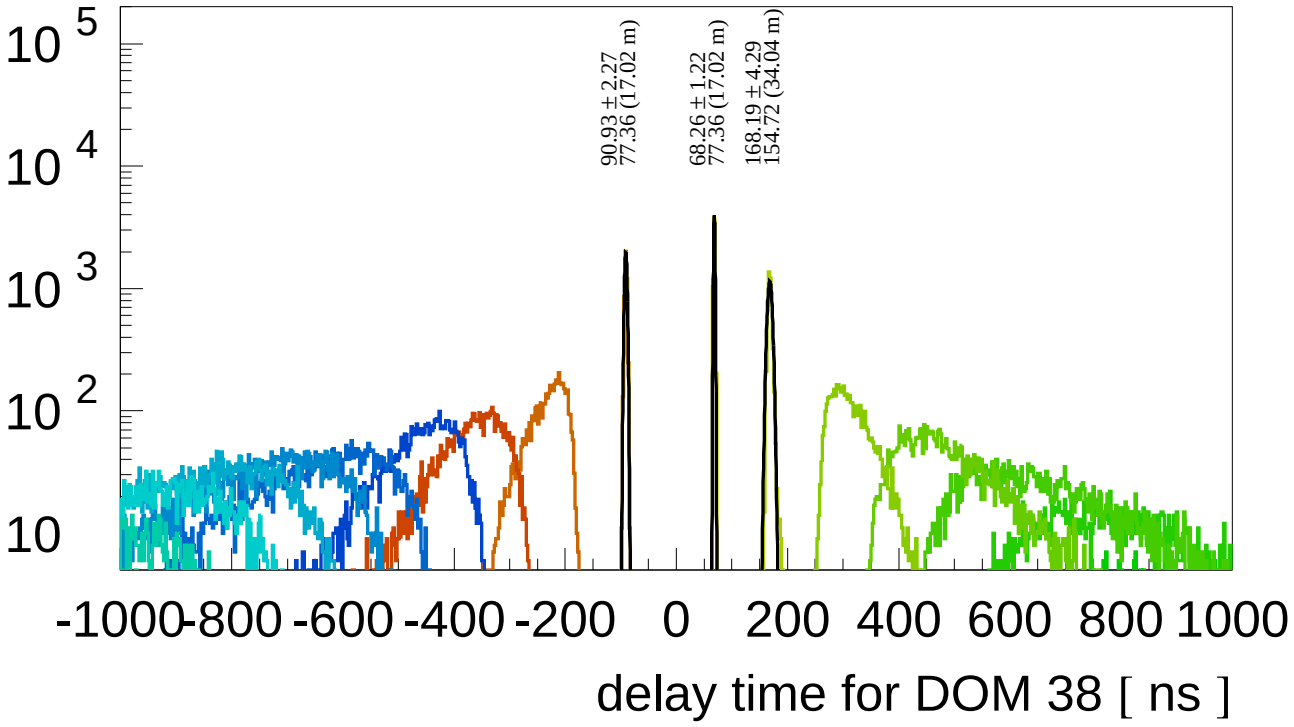

10 5
10 4
10 3
10 2
10
90.63 ± 6.26
77.36 (17.02 m)
73.33 ± 1.77
77.36 (17.02 m)
160.25 ± 1.61
154.72 (34.04 m)
244.91 ± 2.10
232.07 (51.06 m)
328.61 ± 4.58
309.43 (68.08 m)
-1000 -800 -600 -400 -200 0 200 400 600 800 1000
delay time for DOM 33 [ns]

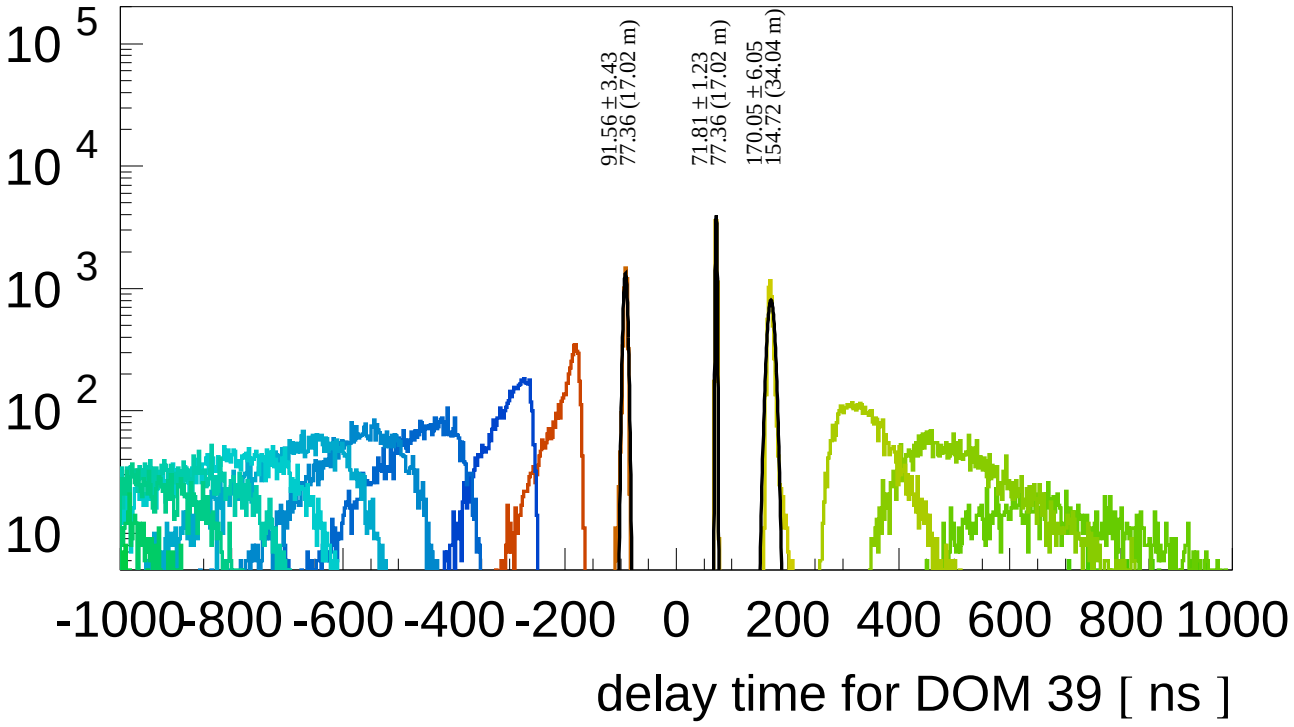

10 5
10 4
10 3
10 2
10
95.11 ± 3.42
77.36 (17.02 m)
70.00 ± 1.49
77.36 (17.02 m)
162.05 ± 1.47
154.72 (34.04 m)
251.44 ± 3.25
232.07 (51.06 m)
-1000 -800 -600 -400 -200 0 200 400 600 800 1000
delay time for DOM 34 [ns]

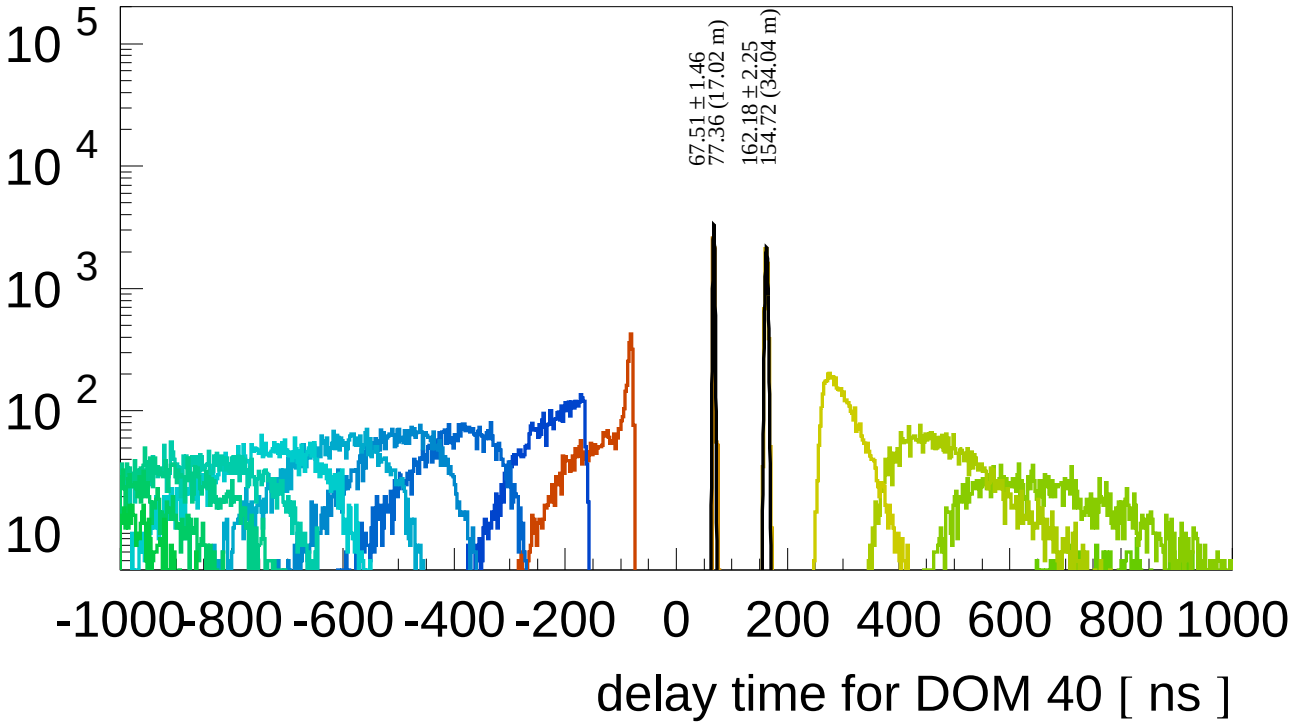

10 5
10 4
10 3
10 2
10
90.03 ± 2.85
77.36 (17.02 m)
70.26 ± 1.37
77.36 (17.02 m)
162.66 ± 2.31
154.72 (34.04 m)
-1000 -800 -600 -400 -200 0 200 400 600 800 1000
delay time for DOM 35 [ns]

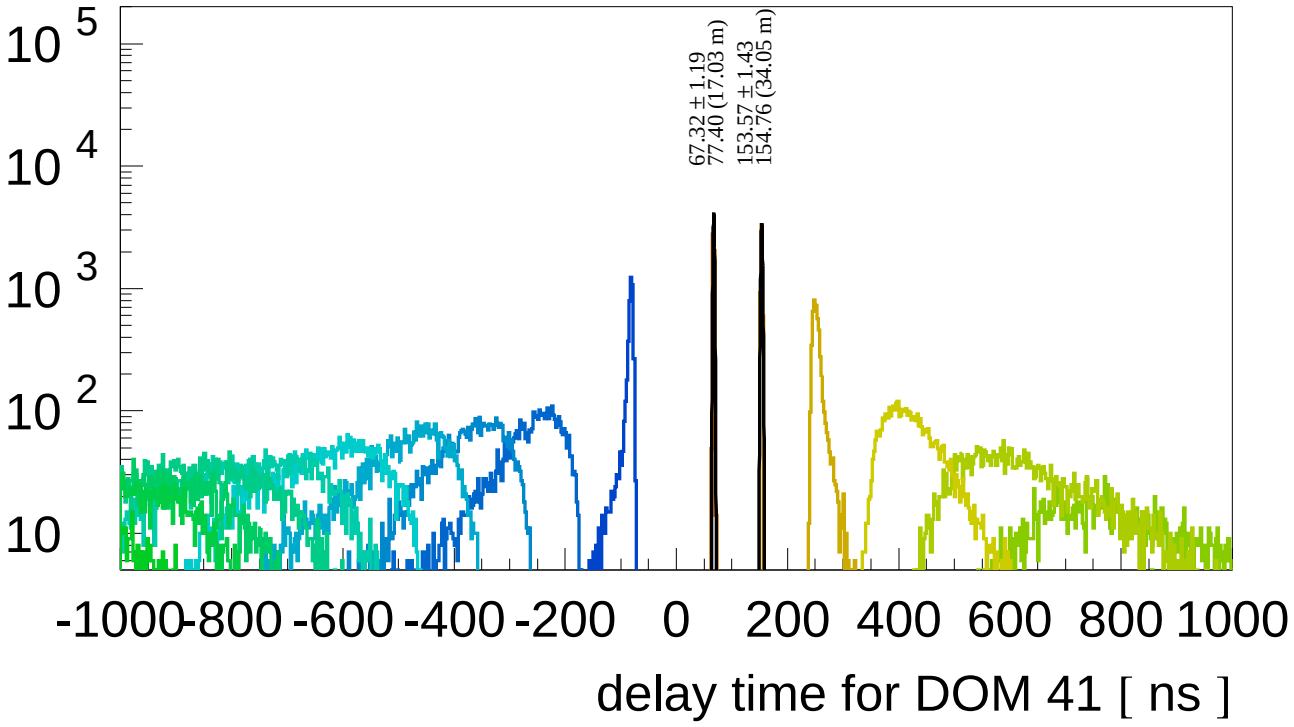

10 5
10 4
10 3
10 2
10
93.37 ± 3.68
77.36 (17.02 m)
68.49 ± 1.47
77.36 (17.02 m)
161.87 ± 2.50
154.72 (34.04 m)
-1000 -800 -600 -400 -200 0 200 400 600 800 1000
delay time for DOM 36 [ns]

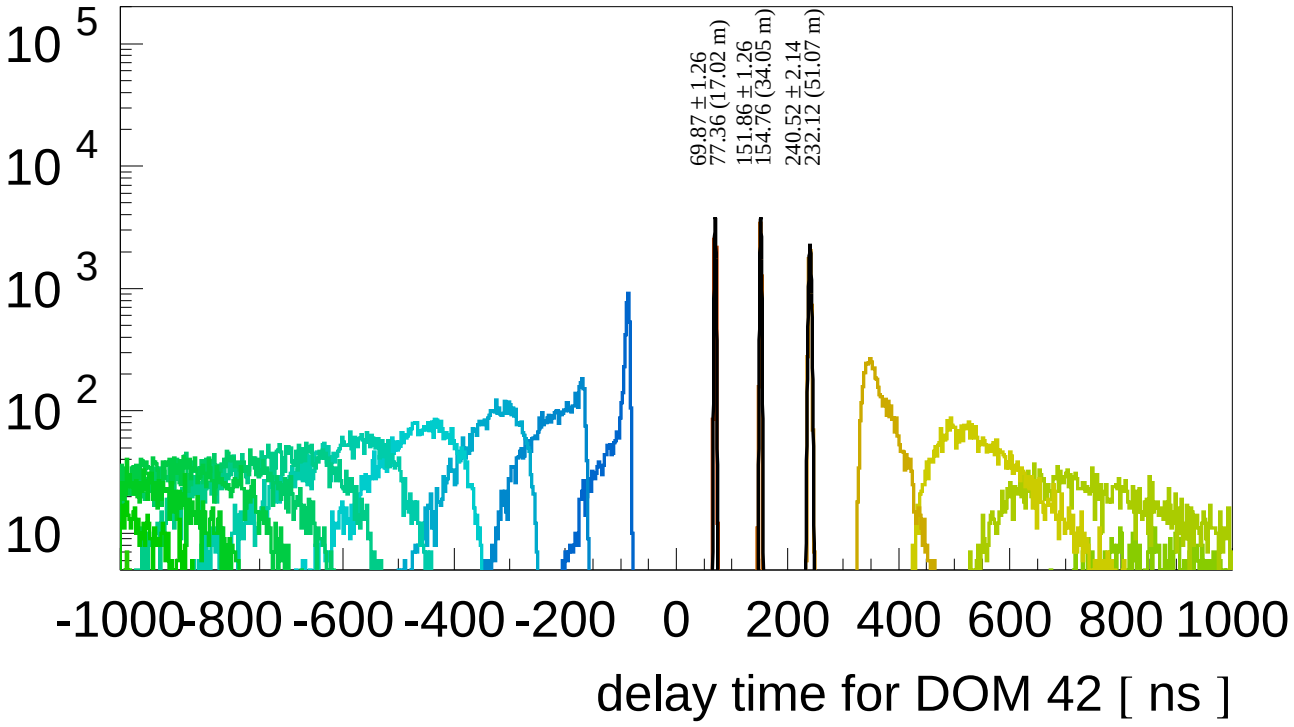

10 5
10 4
10 3
10 2
10
90.47 ± 2.65
77.36 (17.02 m)
70.70 ± 1.54
77.36 (17.02 m)
164.79 ± 3.15
154.72 (34.04 m)
-1000 -800 -600 -400 -200 0 200 400 600 800 1000
delay time for DOM 37 [ns]

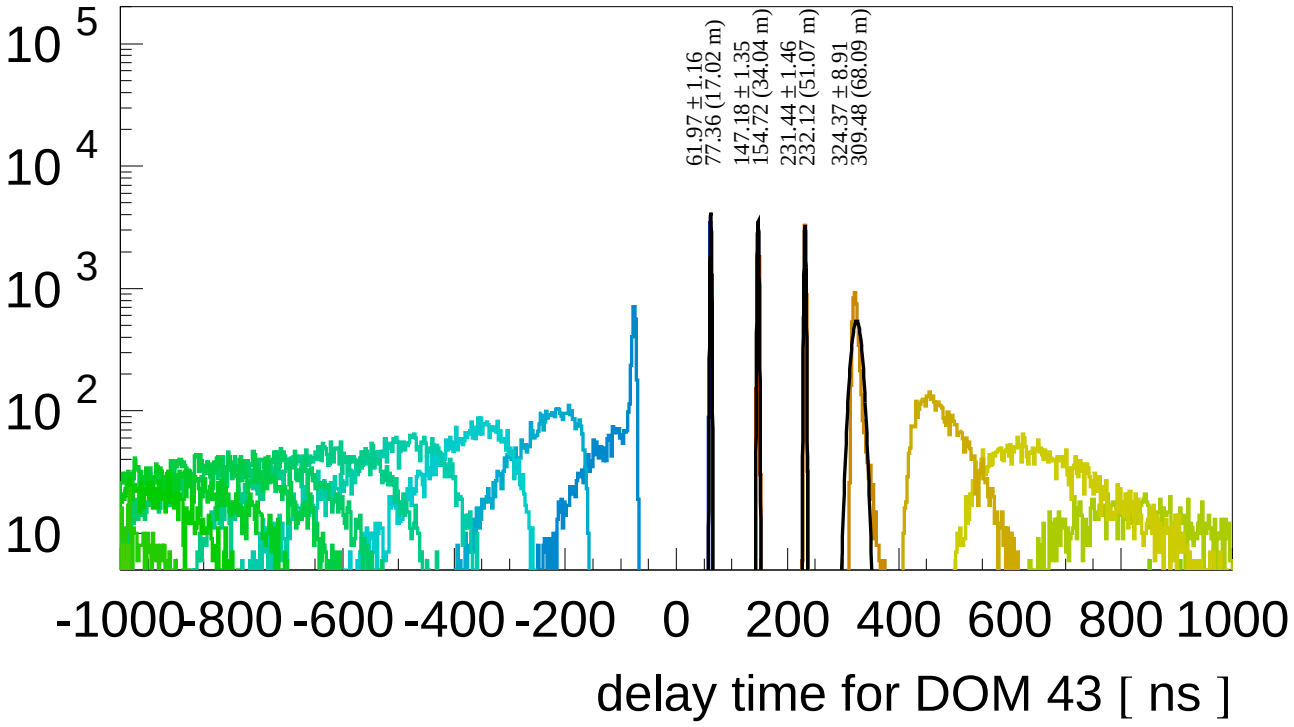

10 5
10 4
10 3
10 2
10
90.93 ± 2.27
77.36 (17.02 m)
68.26 ± 1.22
77.36 (17.02 m)
168.19 ± 4.29
154.72 (34.04 m)
-1000 -800 -600 -400 -200 0 200 400 600 800 1000
delay time for DOM 38 [ns]

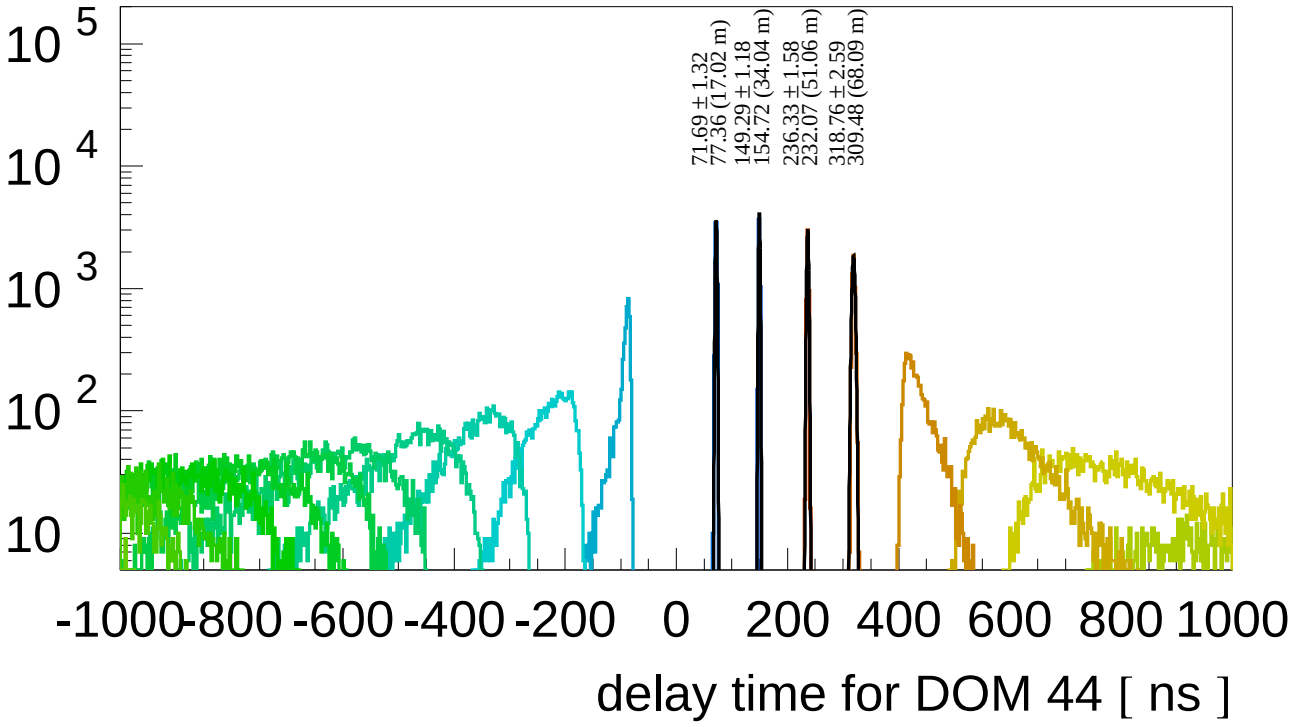

10 5
10 4
10 3
10 2
10
91.56 ± 3.43
77.36 (17.02 m)
71.81 ± 1.23
77.36 (17.02 m)
170.05 ± 6.05
154.72 (34.04 m)
-1000 -800 -600 -400 -200 0 200 400 600 800 1000
delay time for DOM 39 [ns]

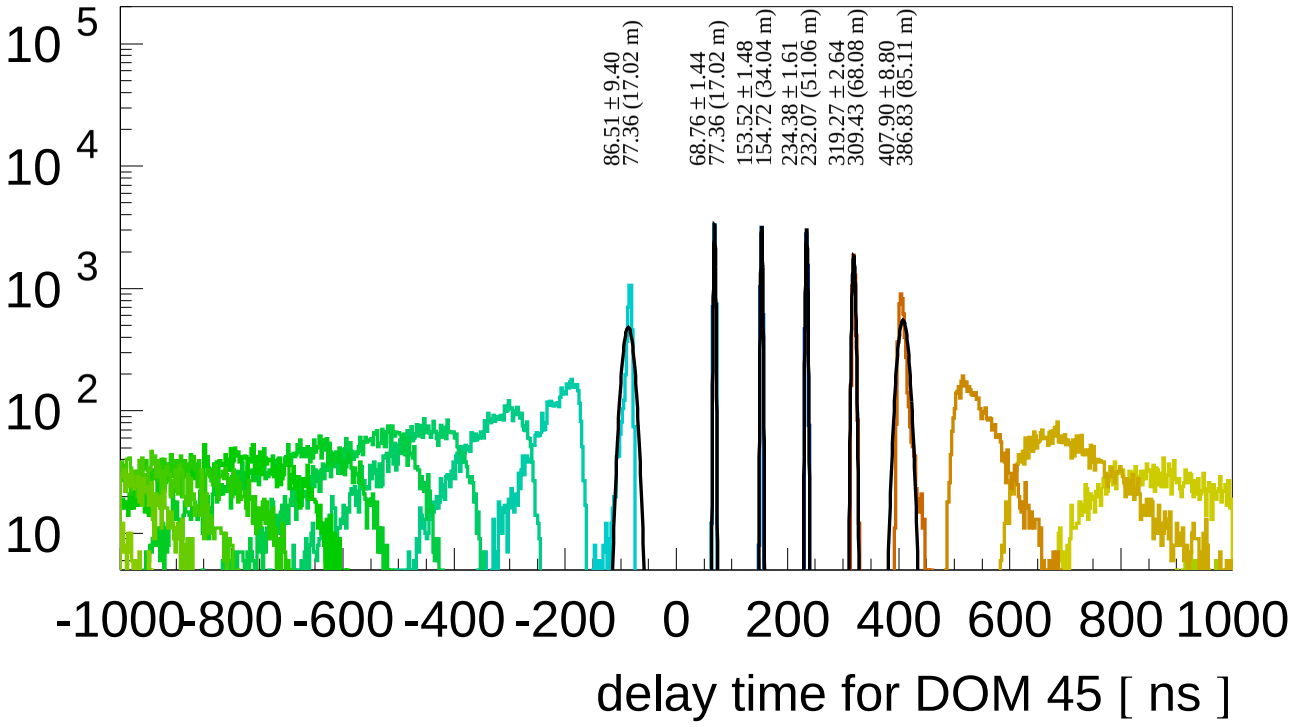

10 5
10 4
10 3
10 2
10
67.51 ± 1.46
77.36 (17.02 m)
162.18 ± 2.25
154.72 (34.04 m)
-1000 -800 -600 -400 -200 0 200 400 600 800 1000
delay time for DOM 40 [ns]

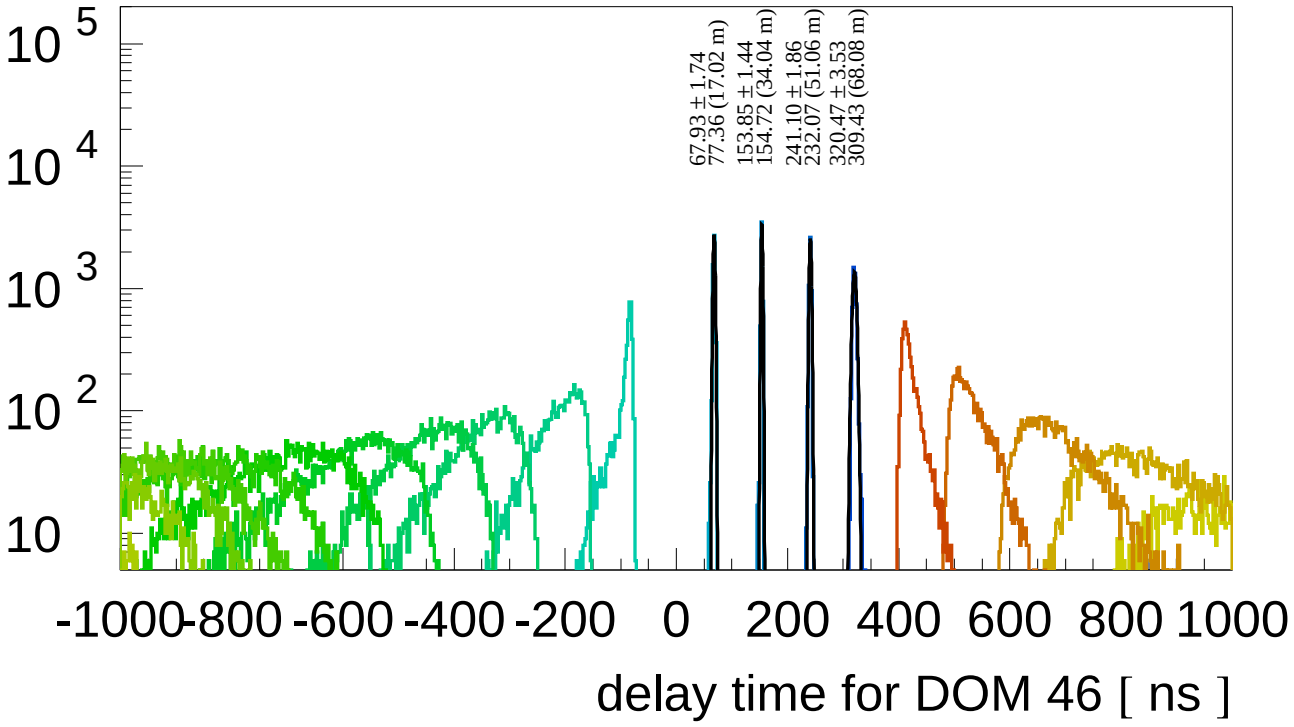

10 5
10 4
10 3
10 2
10
67.32 ± 1.19
77.40 (17.03 m)
153.57 ± 1.43
154.76 (34.05 m)
-1000 -800 -600 -400 -200 0 200 400 600 800 1000
delay time for DOM 41 [ns]

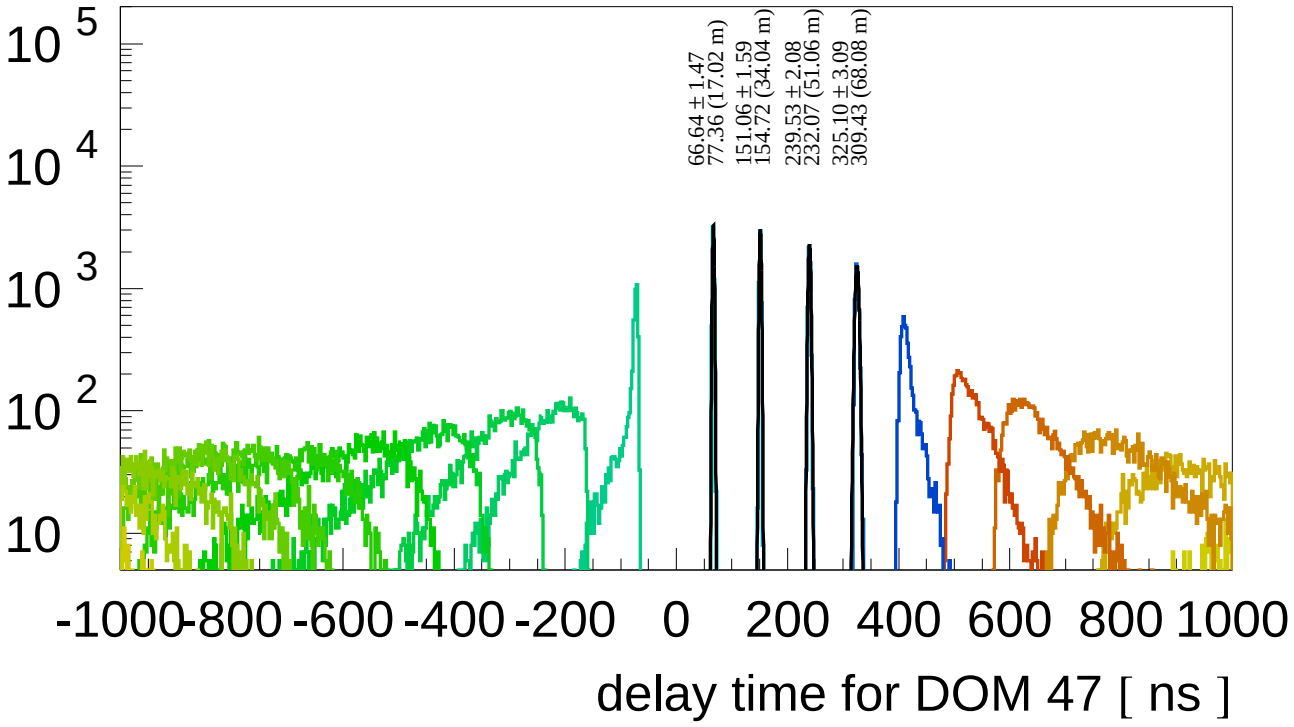

10 5
10 4
10 3
10 2
10
69.87 ± 1.26
77.36 (17.02 m)
151.86 ± 1.26
154.76 (34.05 m)
240.52 ± 2.14
232.12 (51.07 m)
-1000 -800 -600 -400 -200 0 200 400 600 800 1000
delay time for DOM 42 [ns]

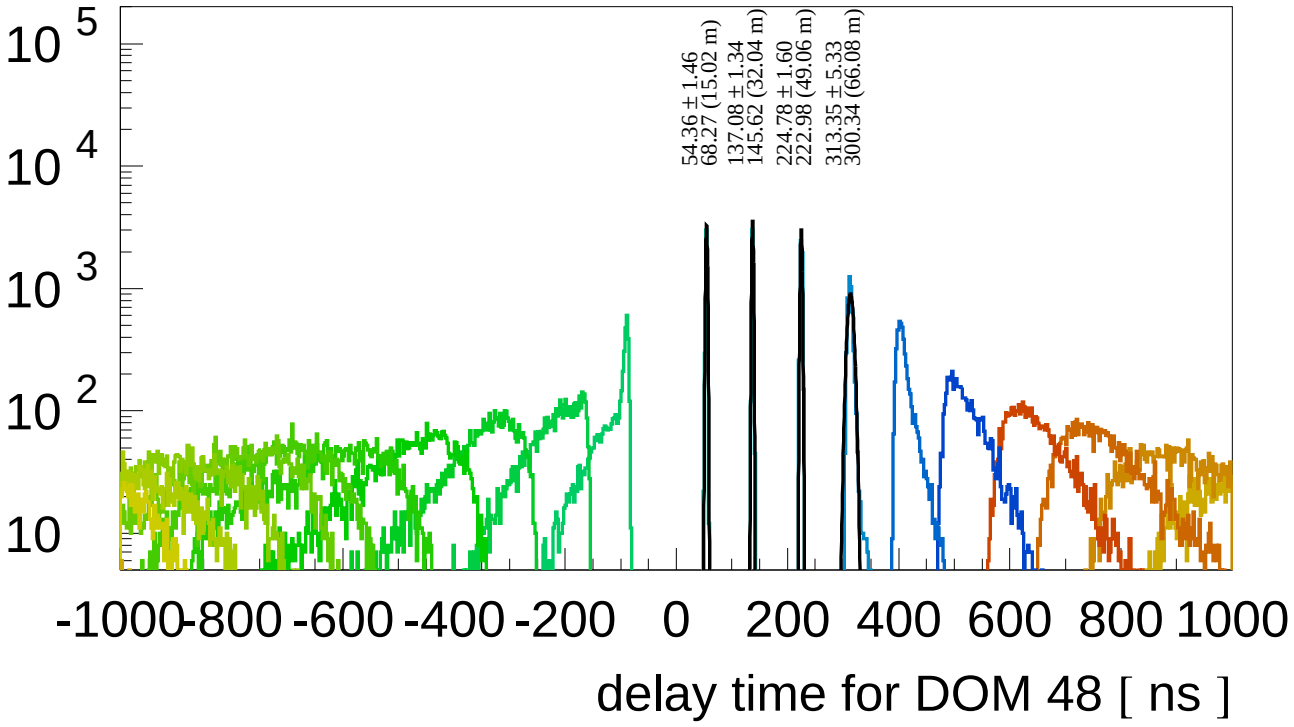

10 5
10 4
10 3
10 2
10
61.97 ± 1.16
77.36 (17.02 m)
147.18 ± 1.35
154.72 (34.04 m)
231.44 ± 1.46
232.12 (51.07 m)
324.37 ± 8.91
309.48 (68.09 m)
-1000 -800 -600 -400 -200 0 200 400 600 800 1000
delay time for DOM 43 [ns]

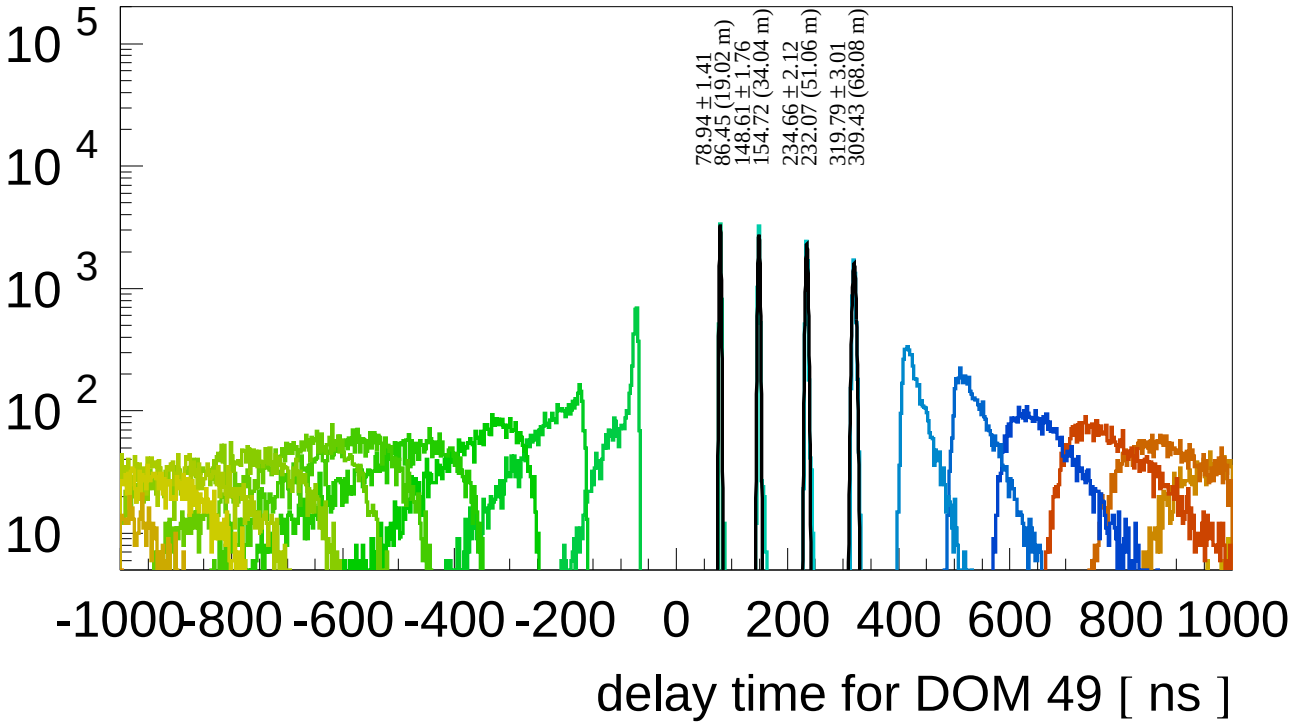

10 5
10 4
10 3
10 2
10
71.69 ± 1.32
77.36 (17.02 m)
149.29 ± 1.18
154.72 (34.04 m)
236.33 ± 1.58
232.07 (51.06 m)
318.76 ± 2.59
309.48 (68.09 m)
-1000 -800 -600 -400 -200 0 200 400 600 800 1000
delay time for DOM 44 [ns]

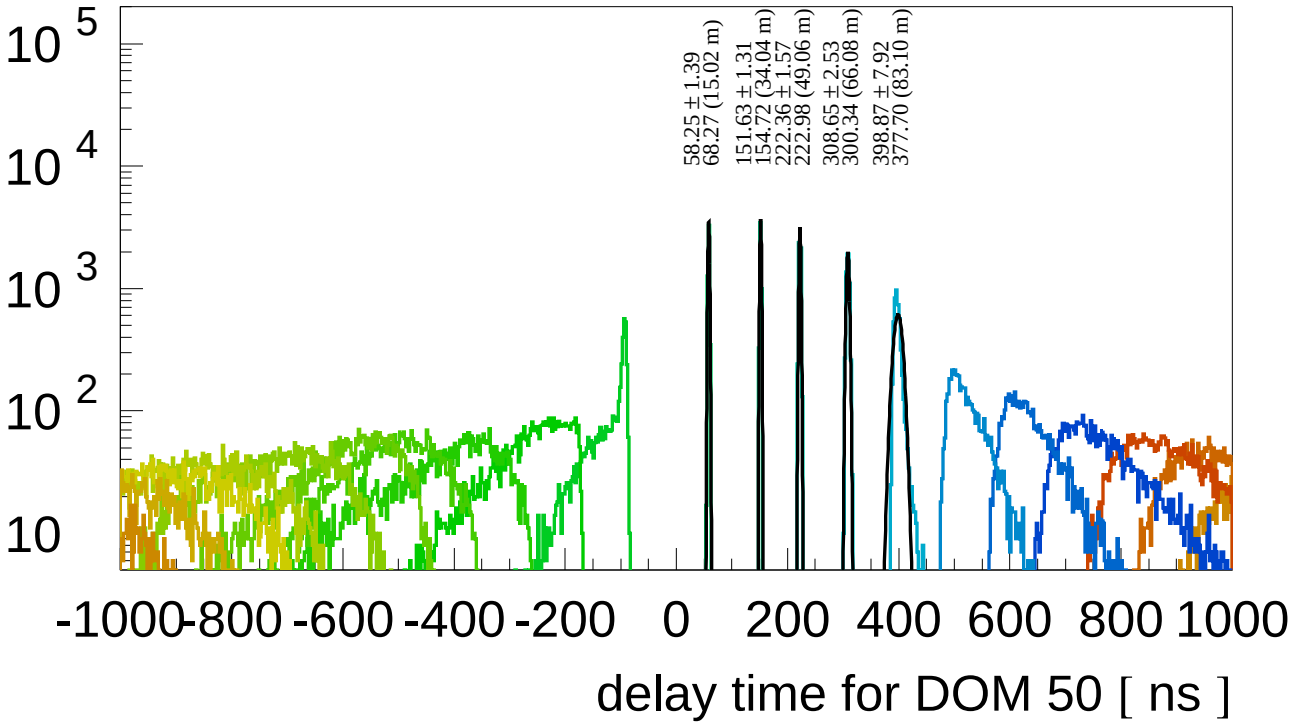

10 5
10 4
10 3
10 2
10
86.51 ± 9.40
77.36 (17.02 m)
68.76 ± 1.44
77.36 (17.02 m)
153.52 ± 1.48
154.72 (34.04 m)
234.38 ± 1.61
232.07 (51.06 m)
319.27 ± 2.64
309.43 (68.08 m)
407.90 ± 8.80
386.83 (85.11 m)
-1000 -800 -600 -400 -200 0 200 400 600 800 1000
delay time for DOM 45 [ns]

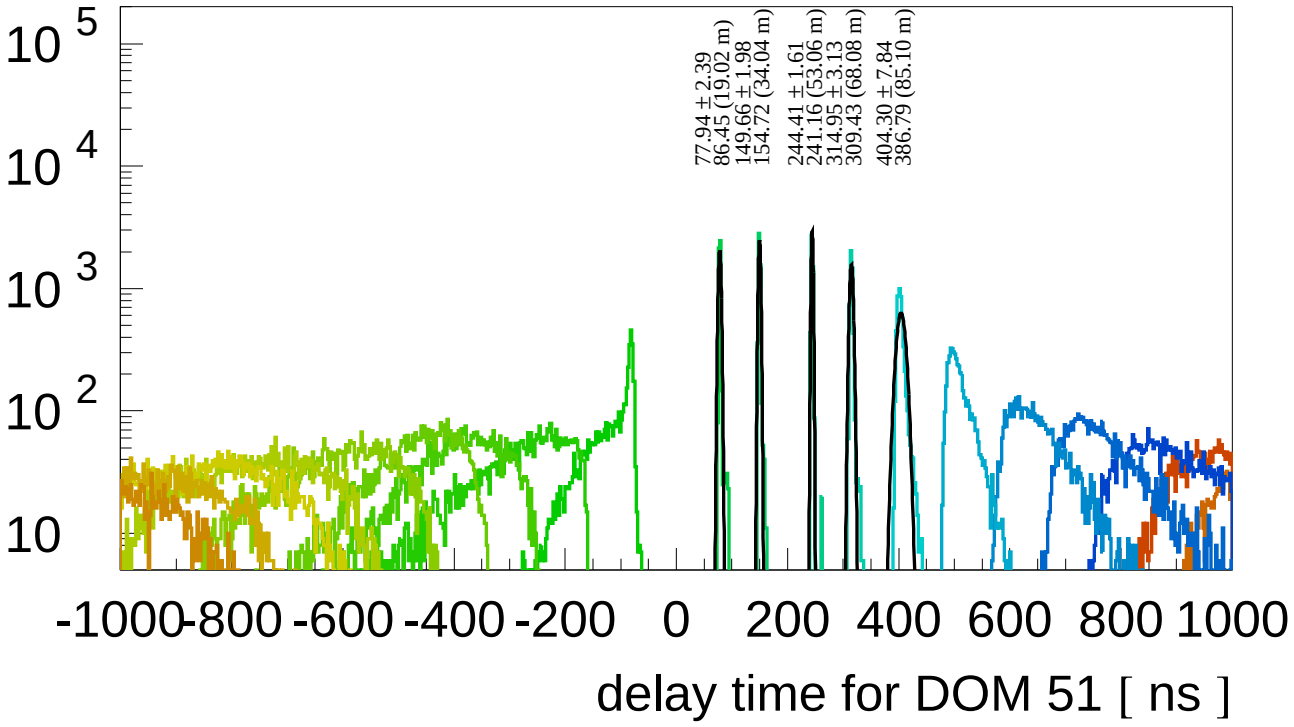

67.93 ± 1.74
77.36 (17.02 m)
153.85 ± 1.44
154.72 (34.04 m)
241.10 ± 1.86
232.07 (51.06 m)
320.47 ± 3.53
309.43 (68.08 m)
10 5
10 4
10 3
10 2
10
-1000 -800 -600 -400 -200 0 200 400 600 800 1000
delay time for DOM 46 [ns]

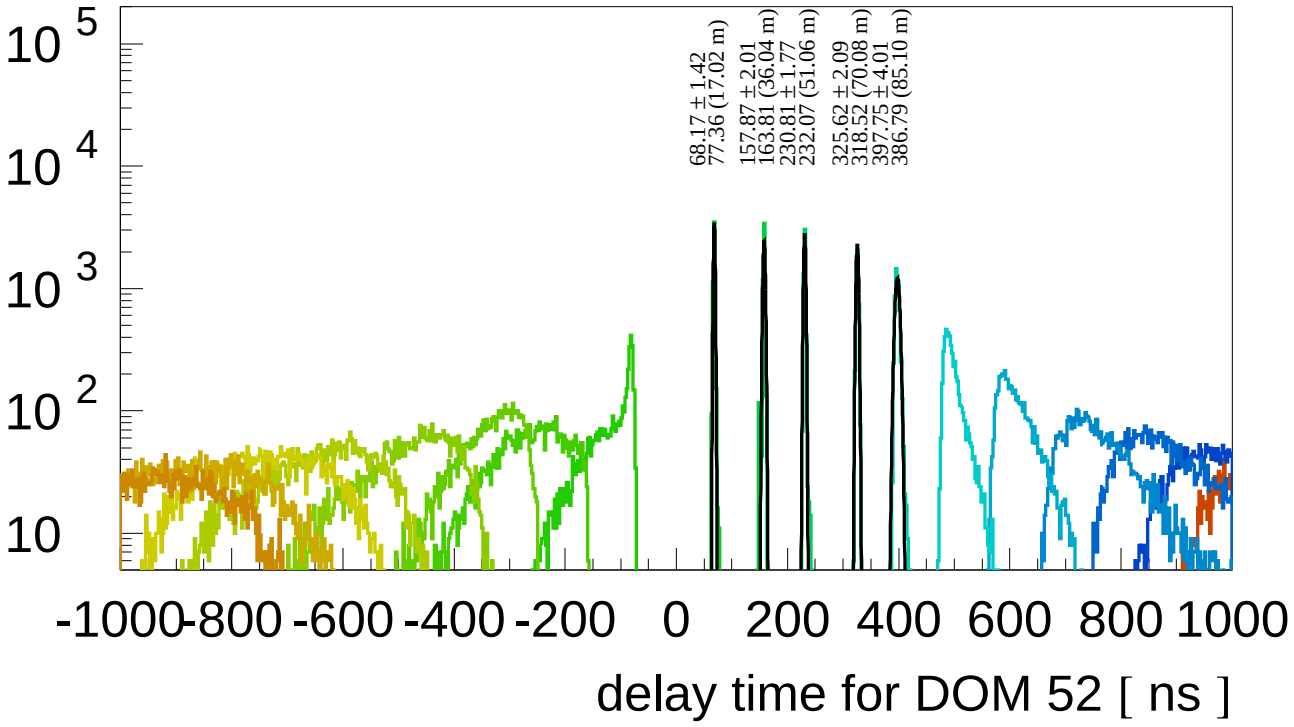

66.64 ± 1.47
77.36 (17.02 m)
151.06 ± 1.59
154.72 (34.04 m)
239.53 ± 2.08
232.07 (51.06 m)
325.10 ± 3.09
309.43 (68.08 m)
10 5
10 4
10 3
10 2
10
-1000 -800 -600 -400 -200 0 200 400 600 800 1000
delay time for DOM 47 [ns]

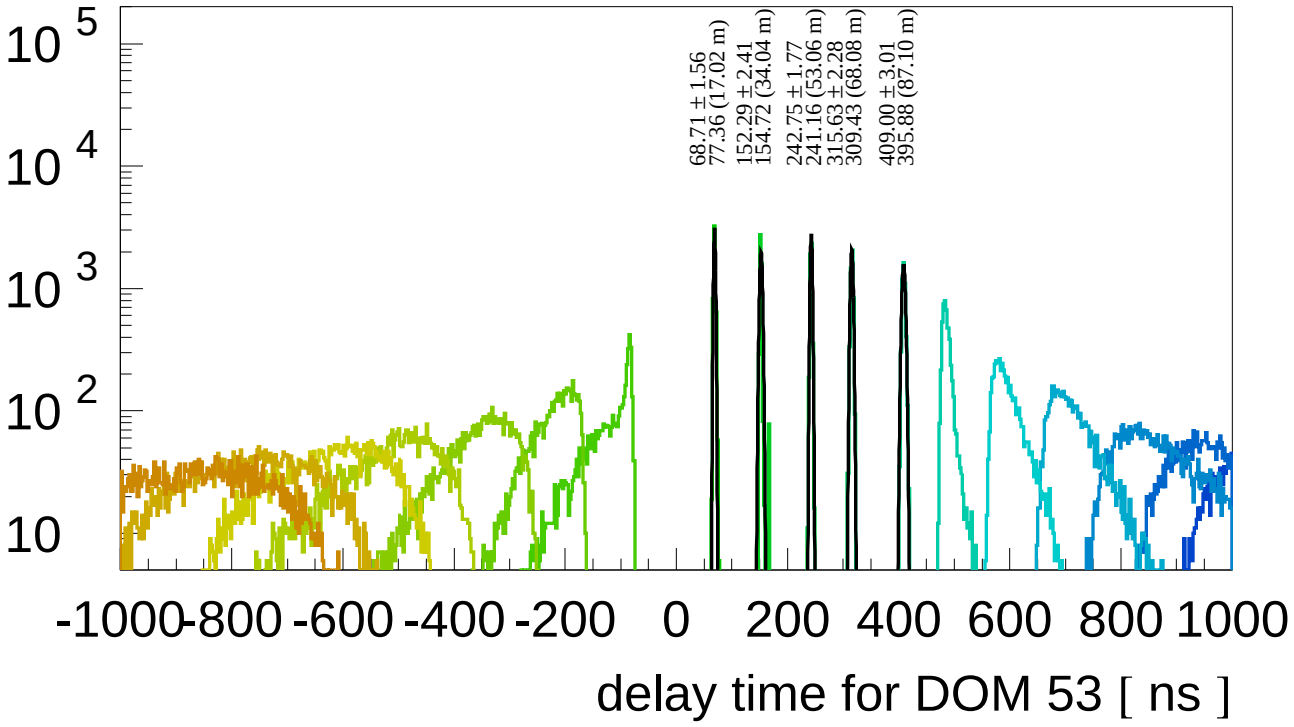

10 5
10 4
10 3
10 2
10
54.36 ± 1.46
68.27 (15.02 m)
137.08 ± 1.34
145.62 (32.04 m)
224.78 ± 1.60
222.98 (49.06 m)
313.35 ± 5.33
300.34 (66.08 m)
-1000 -800 -600 -400 -200 0 200 400 600 800 1000
delay time for DOM 48 [ns]

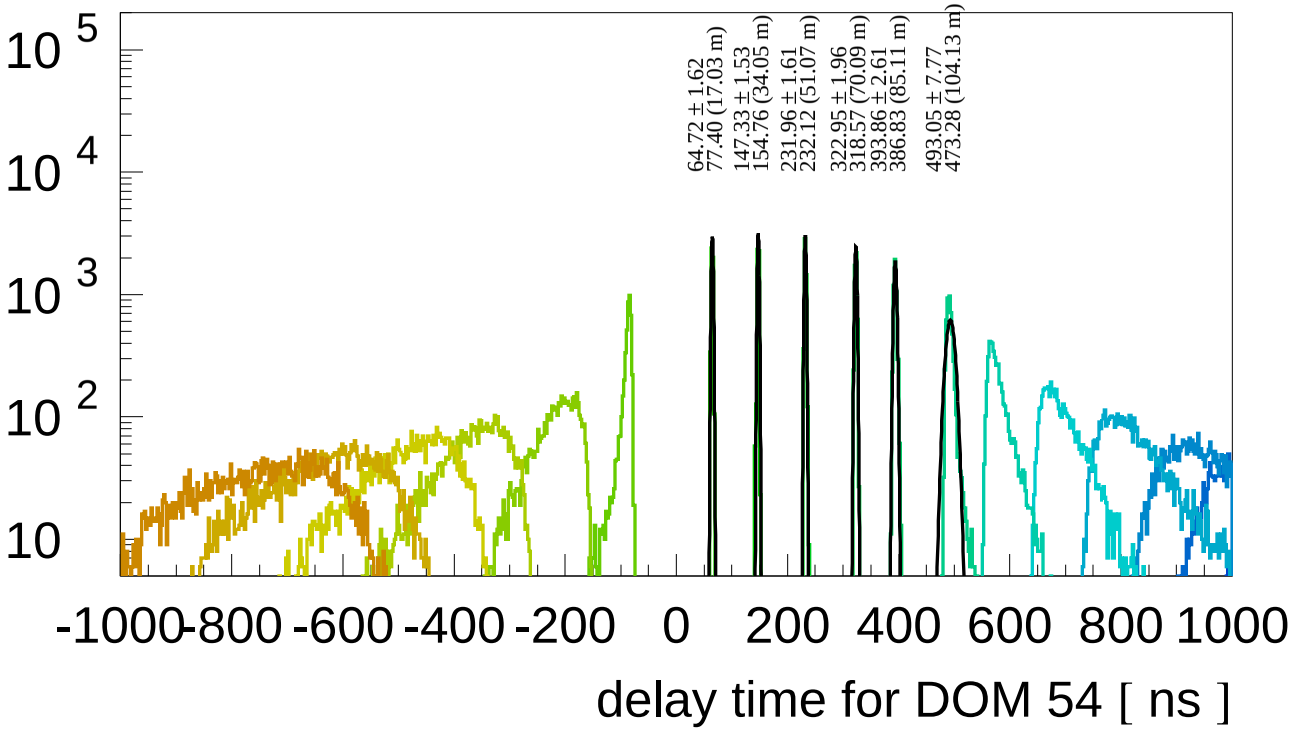

10 5
10 4
10 3
10 2
10
78.94 ± 1.41
86.45 (19.02 m)
148.61 ± 1.76
154.72 (34.04 m)
234.66 ± 2.12
232.07 (51.06 m)
319.79 ± 3.01
309.43 (68.08 m)
-1000 -800 -600 -400 -200 0 200 400 600 800 1000
delay time for DOM 49 [ns]

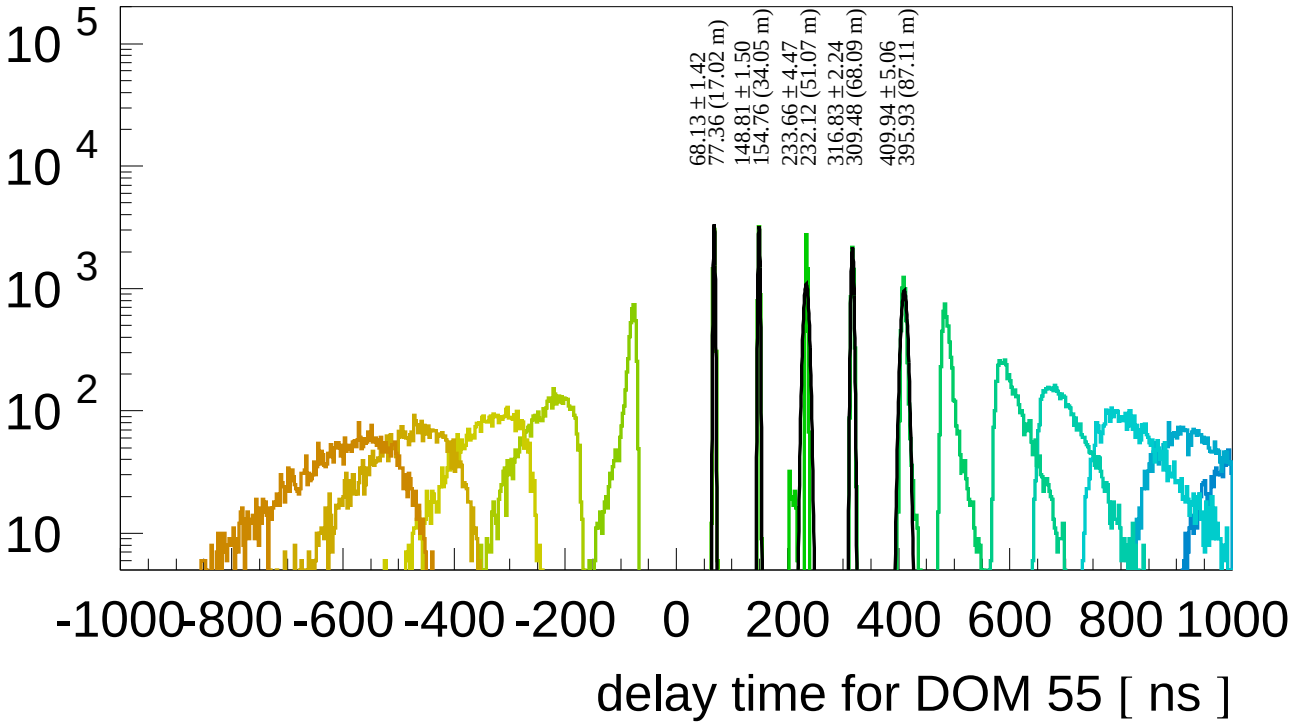

10 5
10 4
10 3
10 2
10
58.25 ± 1.39
68.27 (15.02 m)
151.63 ± 1.31
154.72 (34.04 m)
222.36 ± 1.57
222.98 (49.06 m)
308.65 ± 2.53
300.34 (66.08 m)
398.87 ± 7.92
377.70 (83.10 m)
-1000 -800 -600 -400 -200 0 200 400 600 800 1000
delay time for DOM 50 [ns]

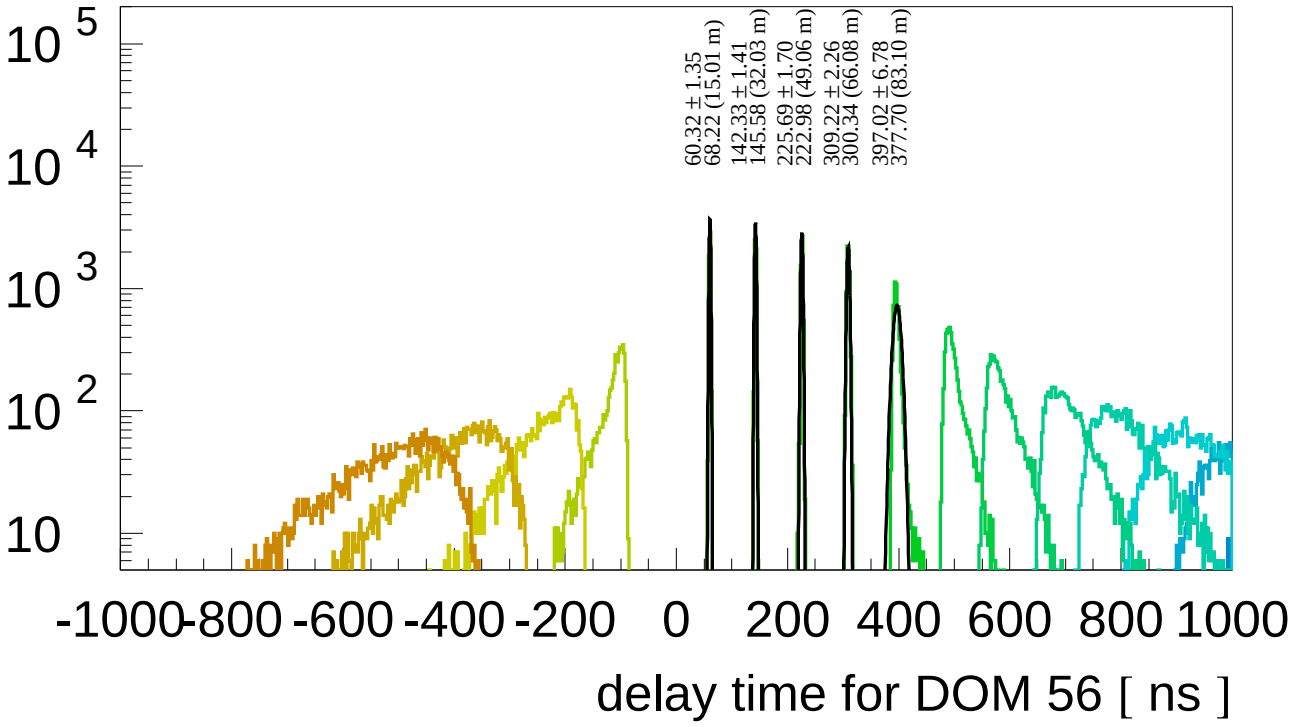

10 5
10 4
10 3
10 2
10
77.94 ± 2.39
86.45 (19.02 m)
149.66 ± 1.98
154.72 (34.04 m)
244.41 ± 1.61
241.16 (53.06 m)
314.95 ± 3.13
309.43 (68.08 m)
404.30 ± 7.84
386.79 (85.10 m)
-1000 -800 -600 -400 -200 0 200 400 600 800 1000
delay time for DOM 51 [ns]

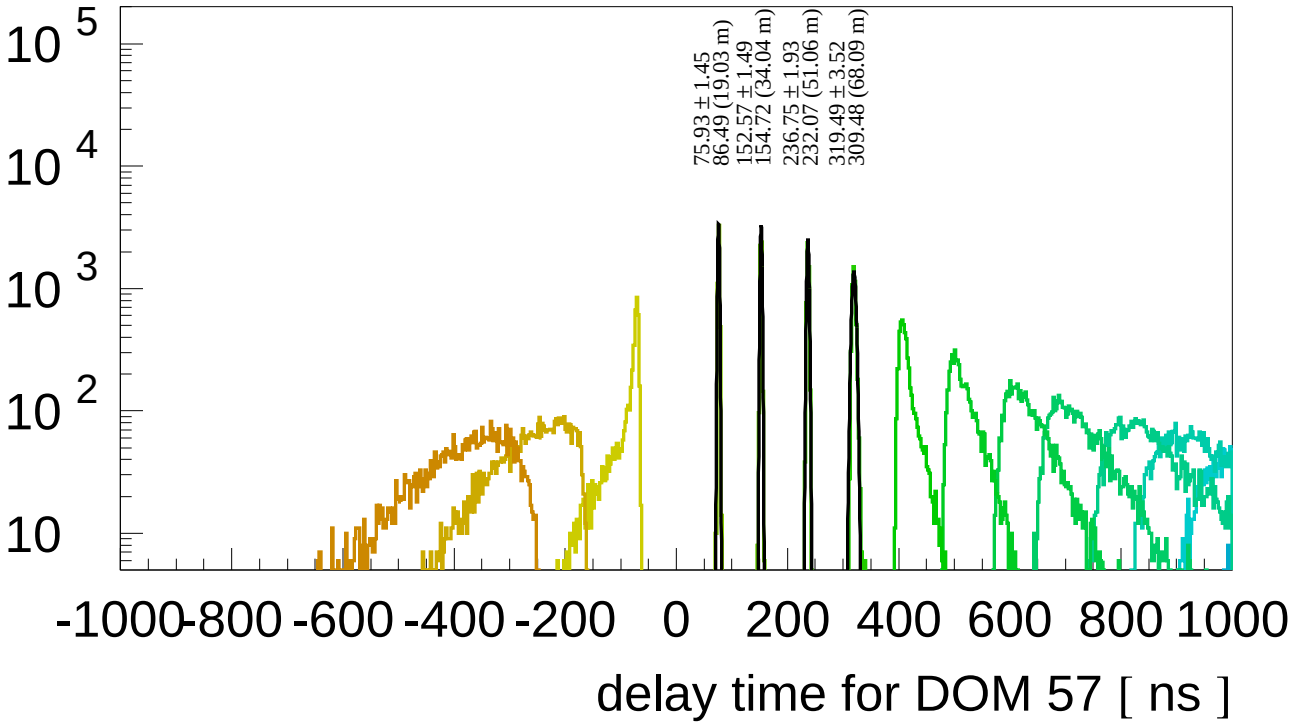

10 5
10 4
10 3
10 2
10
68.17 ± 1.42
77.36 (17.02 m)
157.87 ± 2.01
163.81 (36.04 m)
230.81 ± 1.77
232.07 (51.06 m)
325.62 ± 2.09
318.52 (70.08 m)
397.75 ± 4.01
386.79 (85.10 m)
-1000 -800 -600 -400 -200 0 200 400 600 800 1000
delay time for DOM 52 [ns]

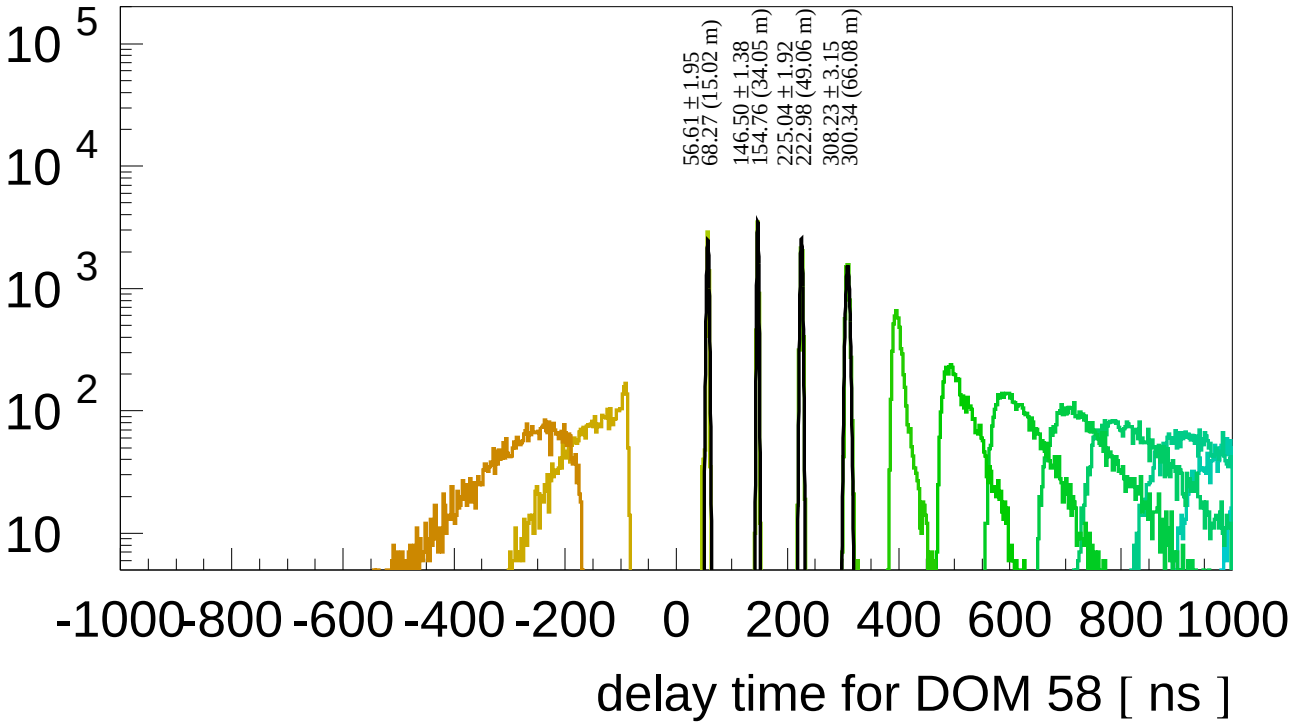

68.71 ± 1.56
77.36 (17.02 m)
152.29 ± 2.41
154.72 (34.04 m)
242.75 ± 1.77
241.16 (53.06 m)
315.63 ± 2.28
309.43 (68.08 m)
409.00 ± 3.01
395.88 (87.10 m)
10 5
10 4
10 3
10 2
10
-1000 -800 -600 -400 -200 0 200 400 600 800 1000
delay time for DOM 53 [ns]

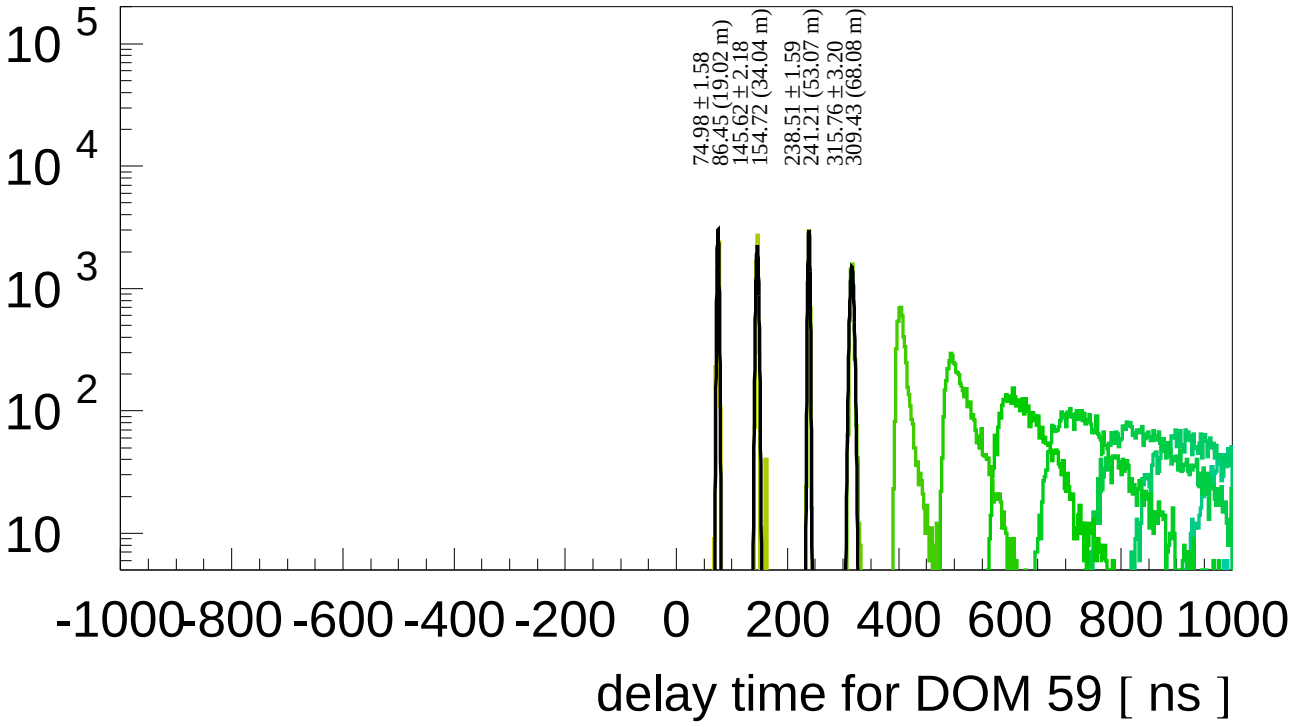

10 5
10 4
10 3
10 2
10
64.72 ± 1.62
77.40 (17.03 m)
147.33 ± 1.53
154.76 (34.05 m)
231.96 ± 1.61
232.12 (51.07 m)
322.95 ± 1.96
318.57 (70.09 m)
393.86 ± 2.61
386.83 (85.11 m)
493.05 ± 7.77
473.28 (104.13 m)
-1000 -800 -600 -400 -200 0 200 400 600 800 1000
delay time for DOM 54 [ns]

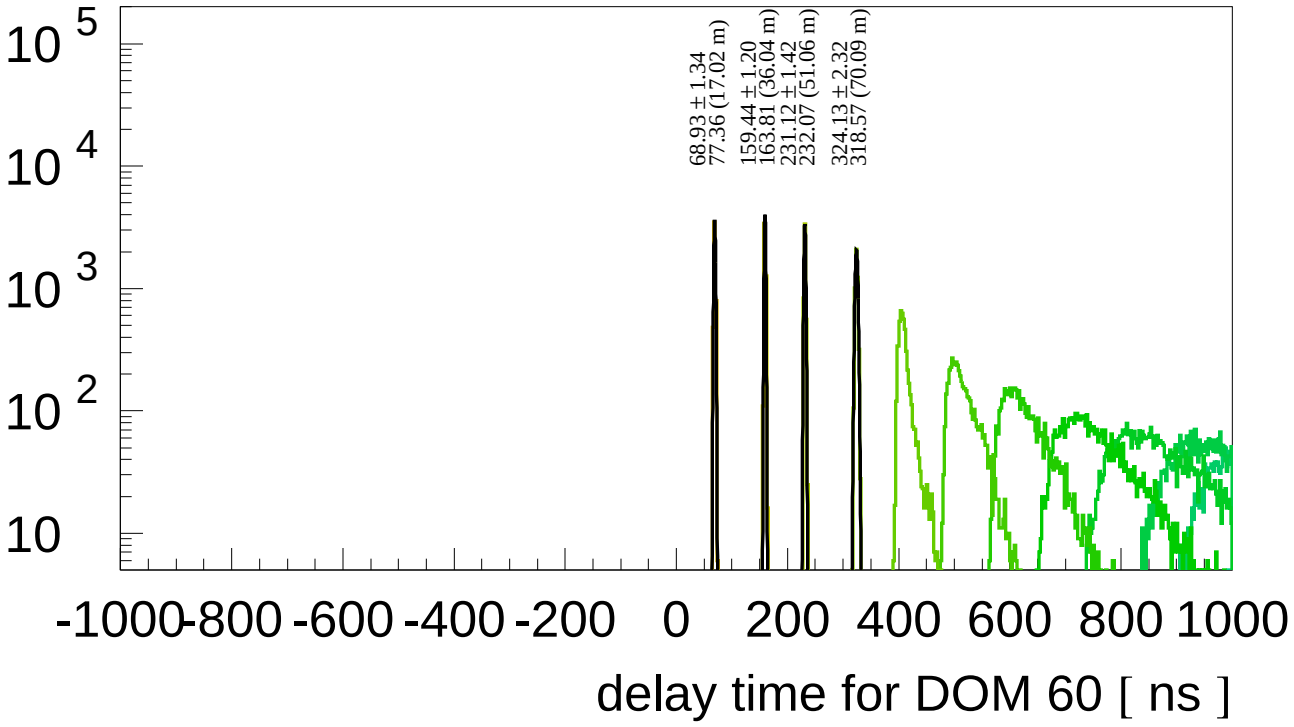

68.13 ± 1.42
77.36 (17.02 m)
148.81 ± 1.50
154.76 (34.05 m)
233.66 ± 4.47
232.12 (51.07 m)
316.83 ± 2.24
309.48 (68.09 m)
409.94 ± 5.06
395.93 (87.11 m)
10 5
10 4
10 3
10 2
10
-1000 -800 -600 -400 -200 0 200 400 600 800 1000
delay time for DOM 55 [ns]


60.32 ± 1.35
68.22 (15.01 m)
142.33 ± 1.41
145.58 (32.03 m)
225.69 ± 1.70
222.98 (49.06 m)
309.22 ± 2.26
300.34 (66.08 m)
397.02 ± 6.78
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
75.93 ± 1.45
86.49 (19.03 m)
152.57 ± 1.49
154.72 (34.04 m)
236.75 ± 1.93
232.07 (51.06 m)
319.49 ± 3.52
309.48 (68.09 m)
-1000 -800 -600 -400 -200 0 200 400 600 800 1000
delay time for DOM 57 [ns]


10 5
10 4
10 3
10 2
10
56.61 ± 1.95
68.27 (15.02 m)
146.50 ± 1.38
154.76 (34.05 m)
225.04 ± 1.92
222.98 (49.06 m)
308.23 ± 3.15
300.34 (66.08 m)
-1000 -800 -600 -400 -200 0 200 400 600 800 1000
delay time for DOM 58 [ns]


74.98 ± 1.58
86.45 (19.02 m)
145.62 ± 2.18
154.72 (34.04 m)
238.51 ± 1.59
241.21 (53.07 m)
315.76 ± 3.20
309.43 (68.08 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 59 [ns]


68.93 ± 1.34
77.36 (17.02 m)
159.44 ± 1.20
163.81 (36.04 m)
231.12 ± 1.42
232.07 (51.06 m)
324.13 ± 2.32
318.57 (70.09 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 60 [ns]