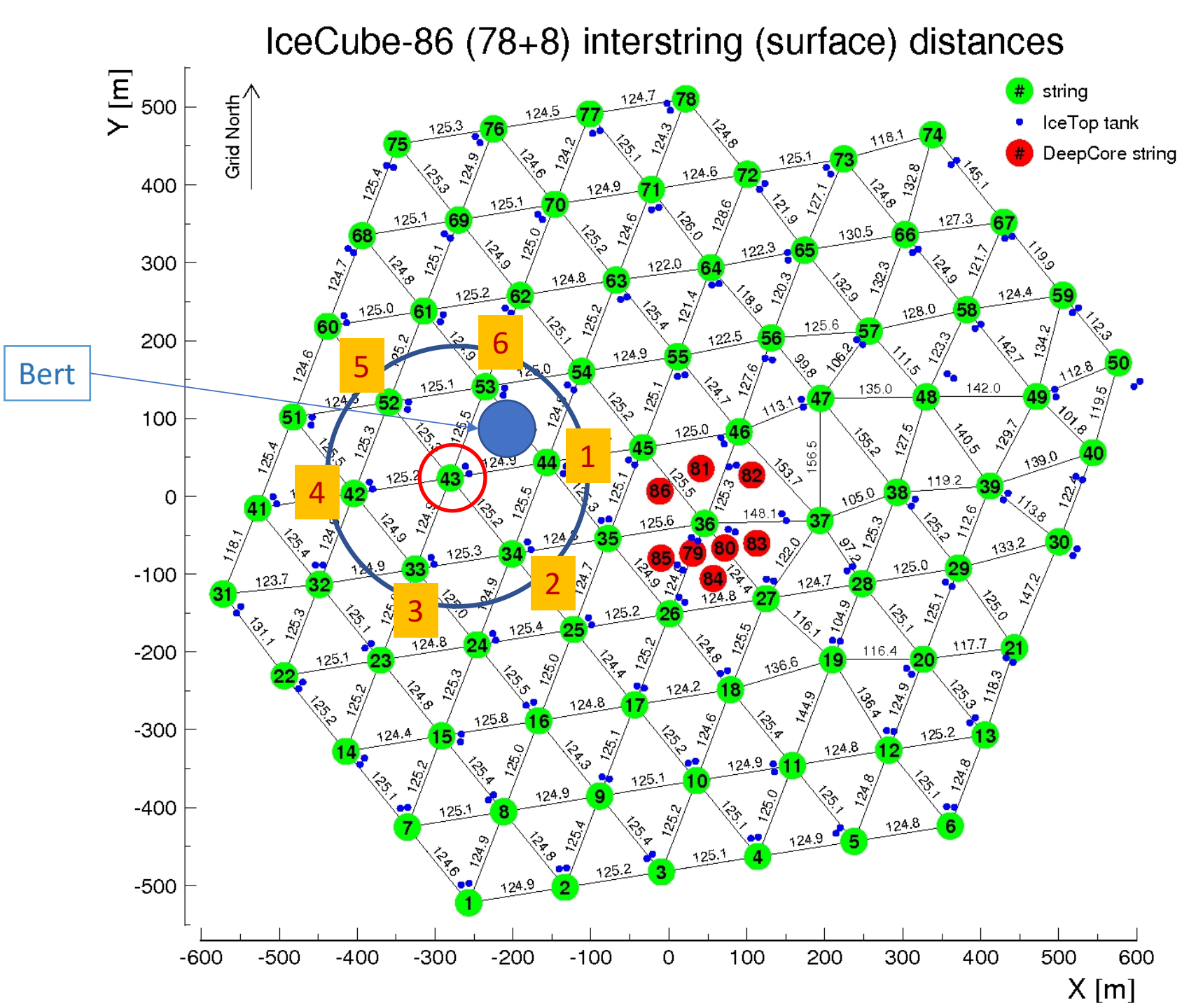
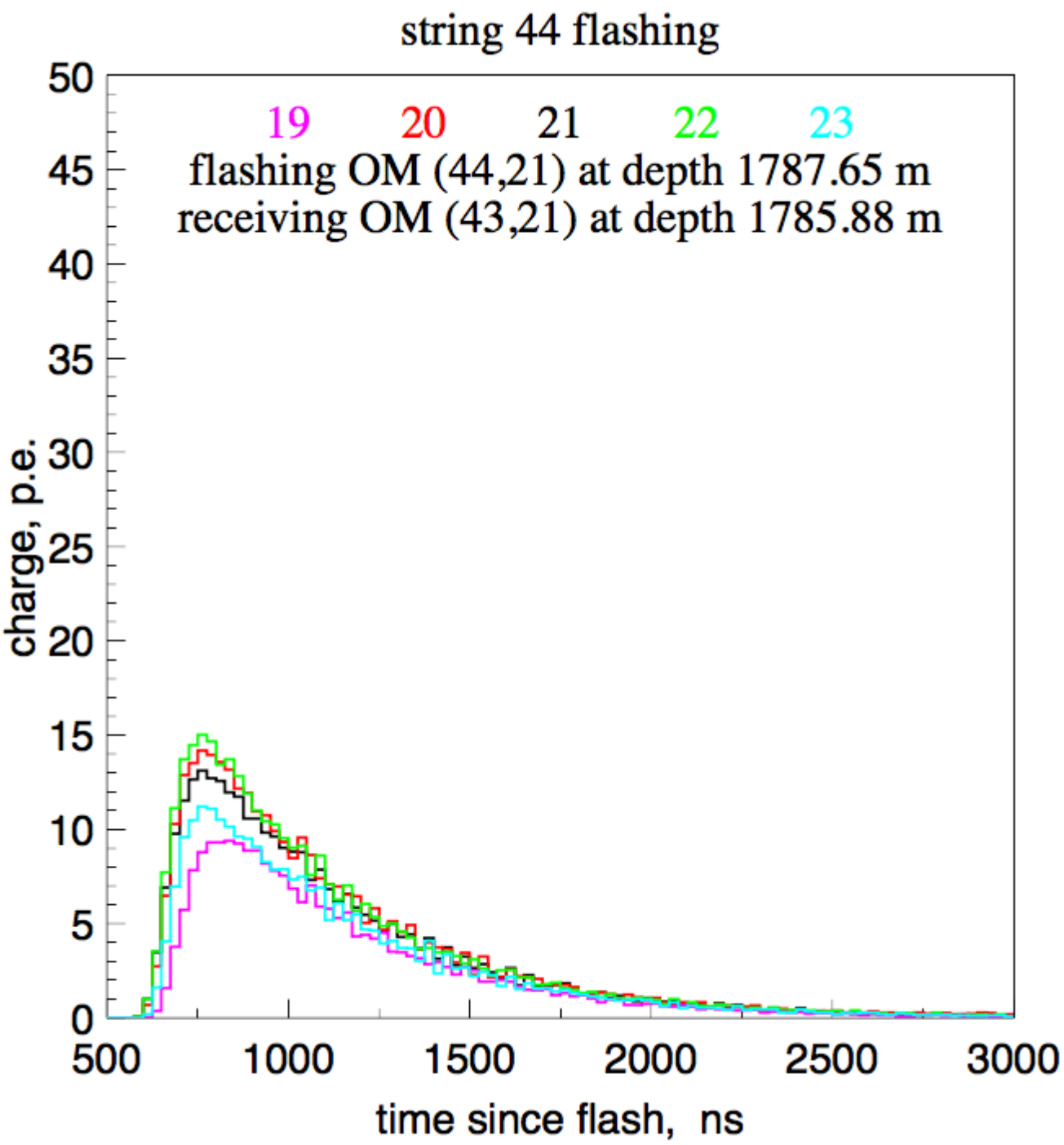
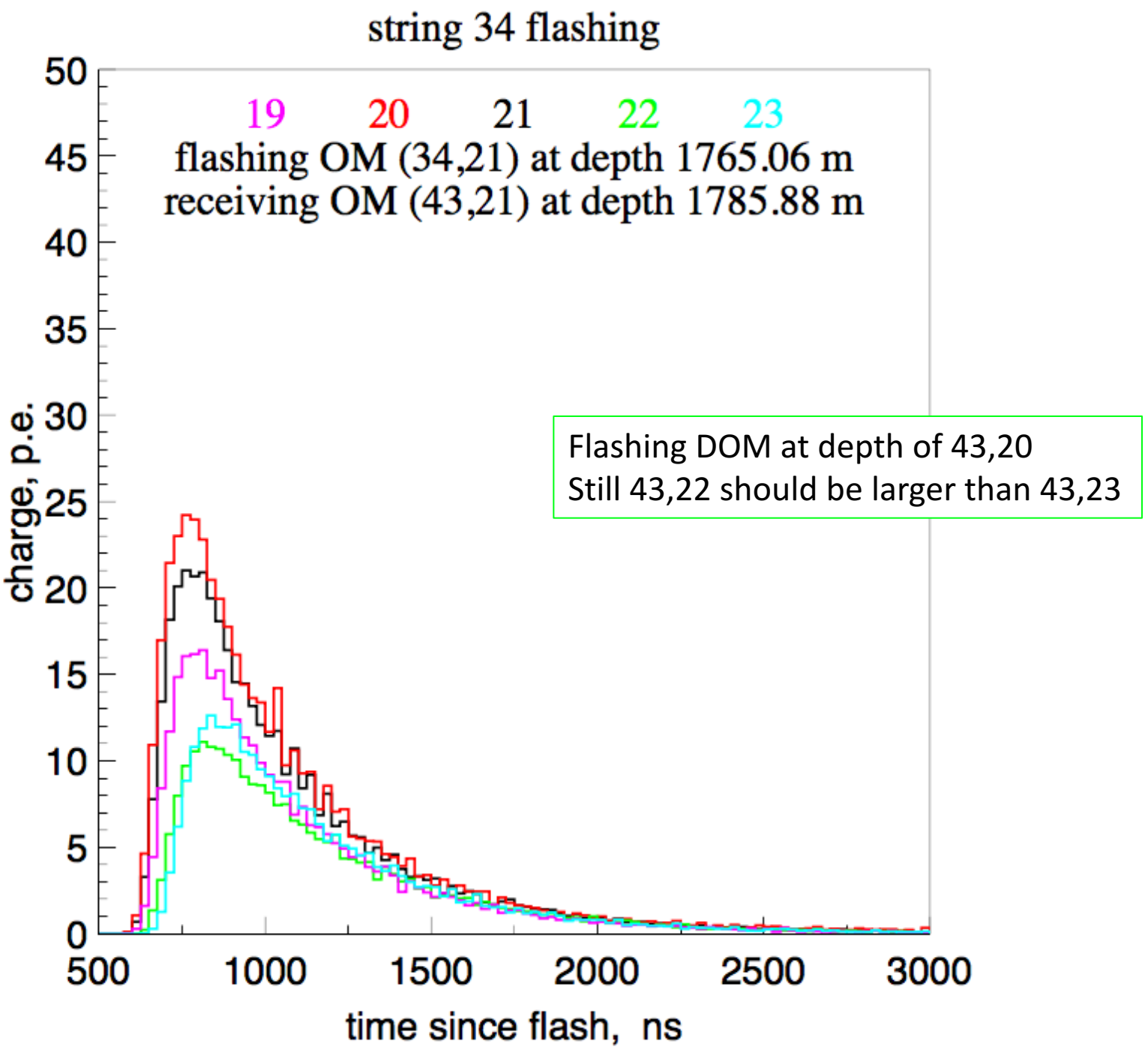
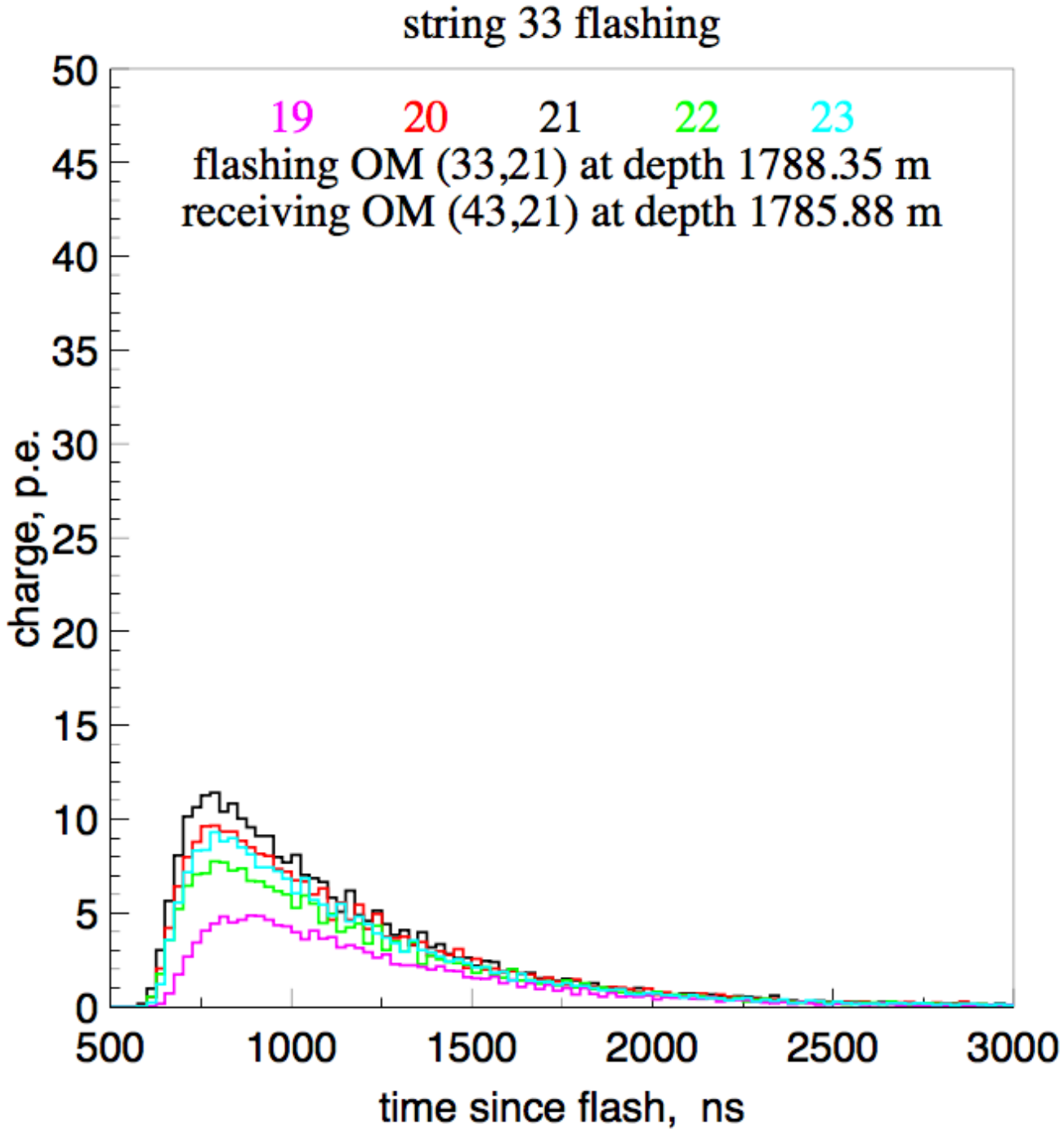
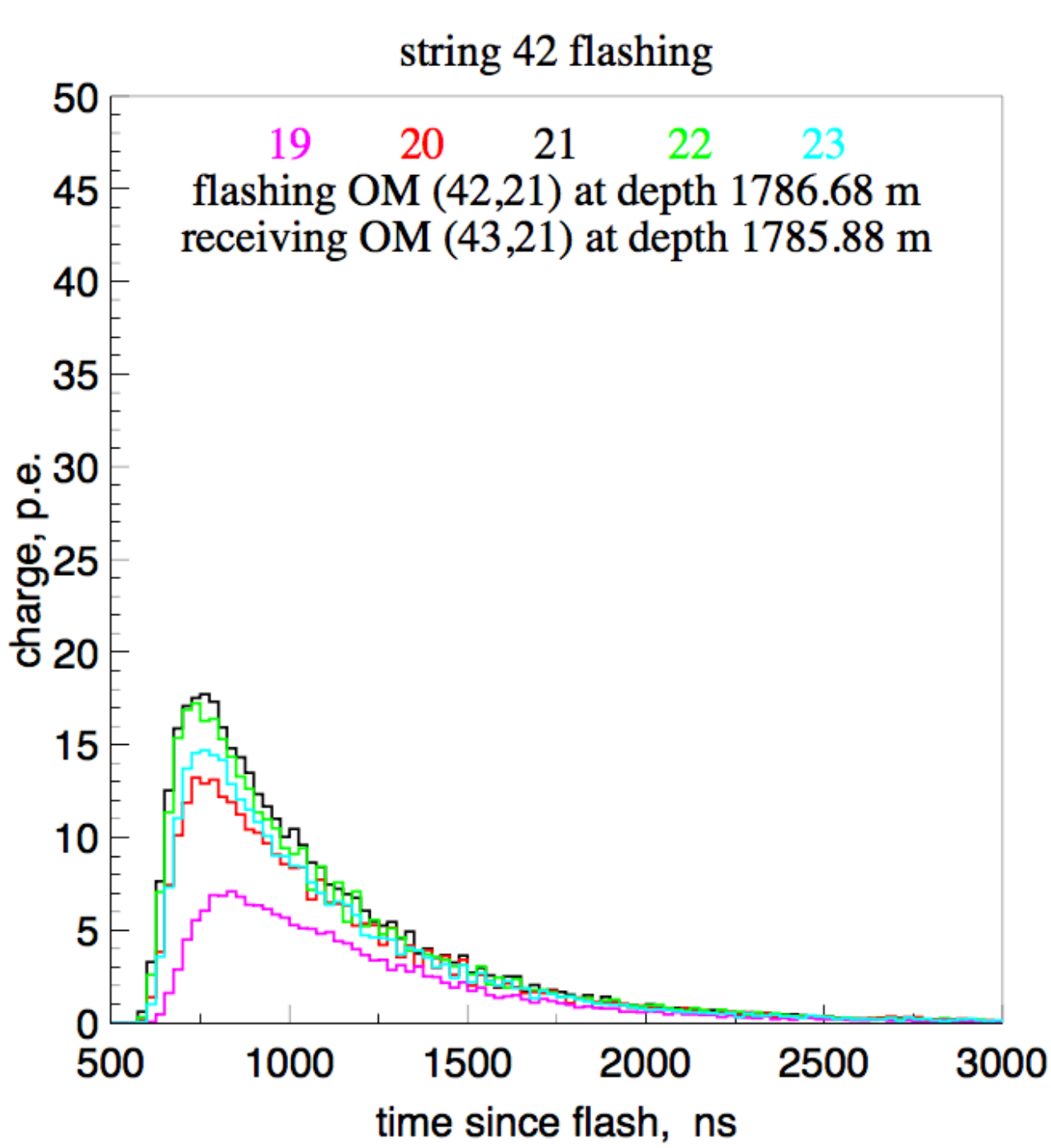
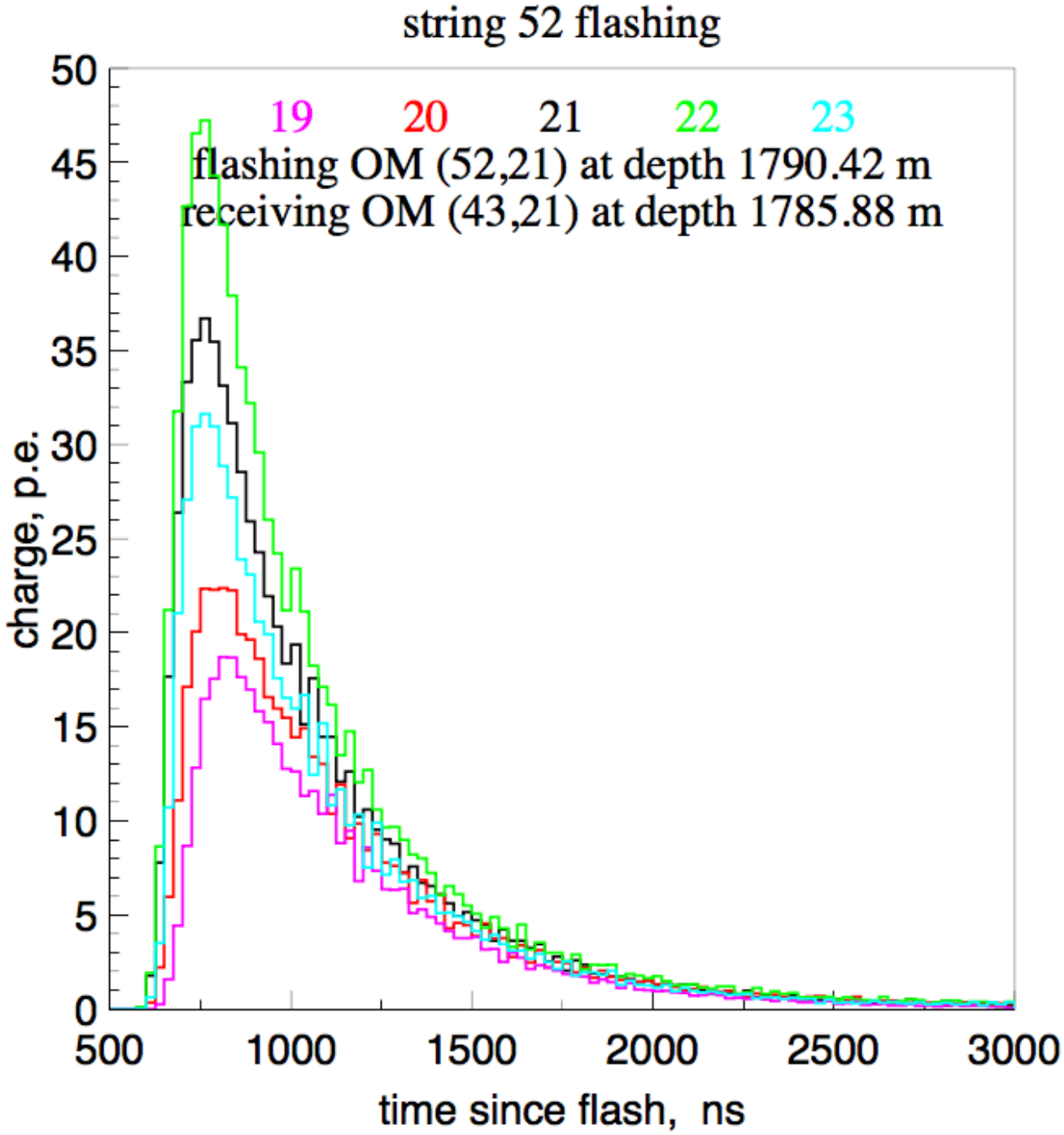

IceCube-86 (78+8) interstring (surface) distances
Grid North
string
IceTop tank
DeepCore string
Bert
1
2
3
4
5
6
Y [m]
X [m]
-600
-500
-400
-300
-200
-100
0
100
200
300
400
500
600

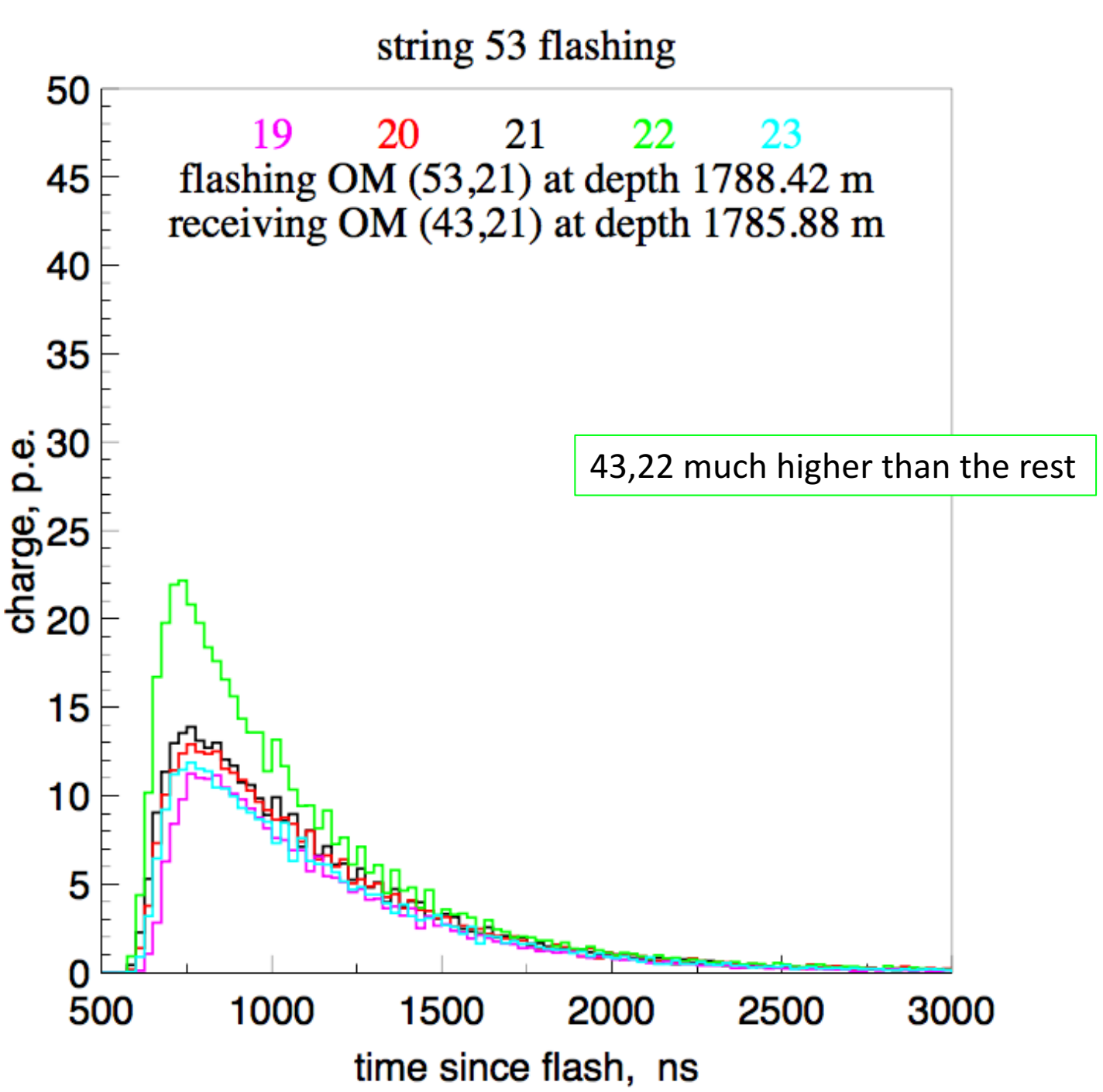

string 44 flashing
19
20
21
22
23
flashing OM (44,21) at depth 1787.65 m
receiving OM (43,21) at depth 1785.88 m
charge, p.e.
time since flash, ns
0
5
10
15
20
25
30
35
40
45
50
500
1000
1500
2000
2500
3000

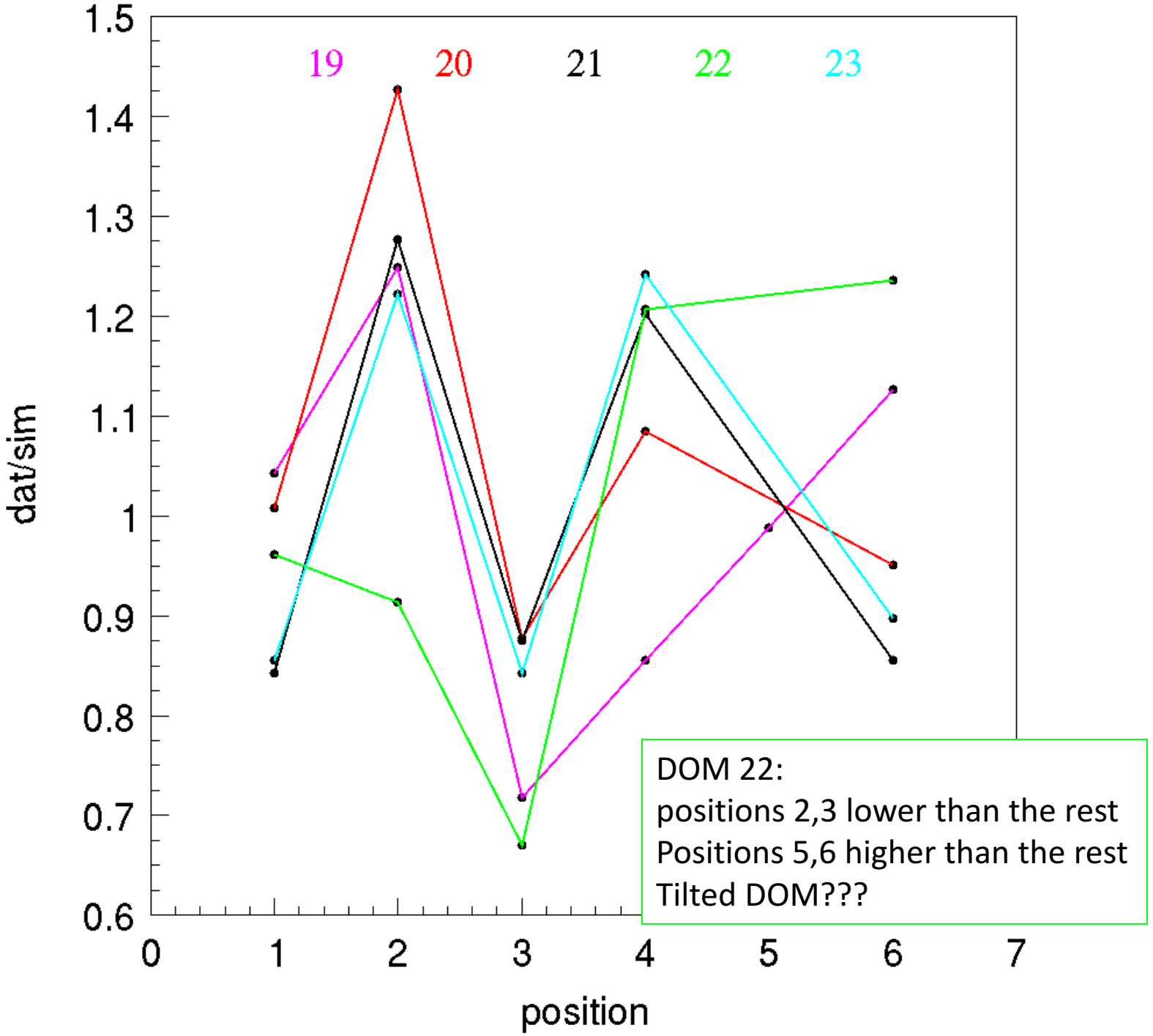

string 34 flashing
19 20 21 22 23
flashing OM (34,21) at depth 1765.06 m
receiving OM (43,21) at depth 1785.88 m
charge, p.e.
time since flash, ns
0 5 10 15 20 25 30 35 40 45 50
500 1000 1500 2000 2500 3000
Flashing DOM at depth of 43,20
Still 43,22 should be larger than 43,23


string 33 flashing
19
20
21
22
23
flashing OM (33,21) at depth 1788.35 m
receiving OM (43,21) at depth 1785.88 m
charge, p.e.
time since flash, ns
0
5
10
15
20
25
30
35
40
45
50
500
1000
1500
2000
2500
3000


string 42 flashing
19
20
21
22
23
flashing OM (42,21) at depth 1786.68 m
receiving OM (43,21) at depth 1785.88 m
charge, p.e.
time since flash, ns
0
5
10
15
20
25
30
35
40
45
50
500
1000
1500
2000
2500
3000


string 52 flashing
19
20
21
22
23
flashing OM (52,21) at depth 1790.42 m
receiving OM (43,21) at depth 1785.88 m
charge, p.e.
time since flash, ns
0
5
10
15
20
25
30
35
40
45
50
500
1000
1500
2000
2500
3000


string 53 flashing
19
20
21
22
23
flashing OM (53,21) at depth 1788.42 m
receiving OM (43,21) at depth 1785.88 m
43,22 much higher than the rest
charge, p.e.
time since flash, ns
0
5
10
15
20
25
30
35
40
45
50
500
1000
1500
2000
2500
3000


19
20
21
22
23
dat/sim
position
1.5
1.4
1.3
1.2
1.1
1
0.9
0.8
0.7
0.6
0
1
2
3
4
5
6
7
DOM 22:
positions 2,3 lower than the rest
Positions 5,6 higher than the rest
Tilted DOM???