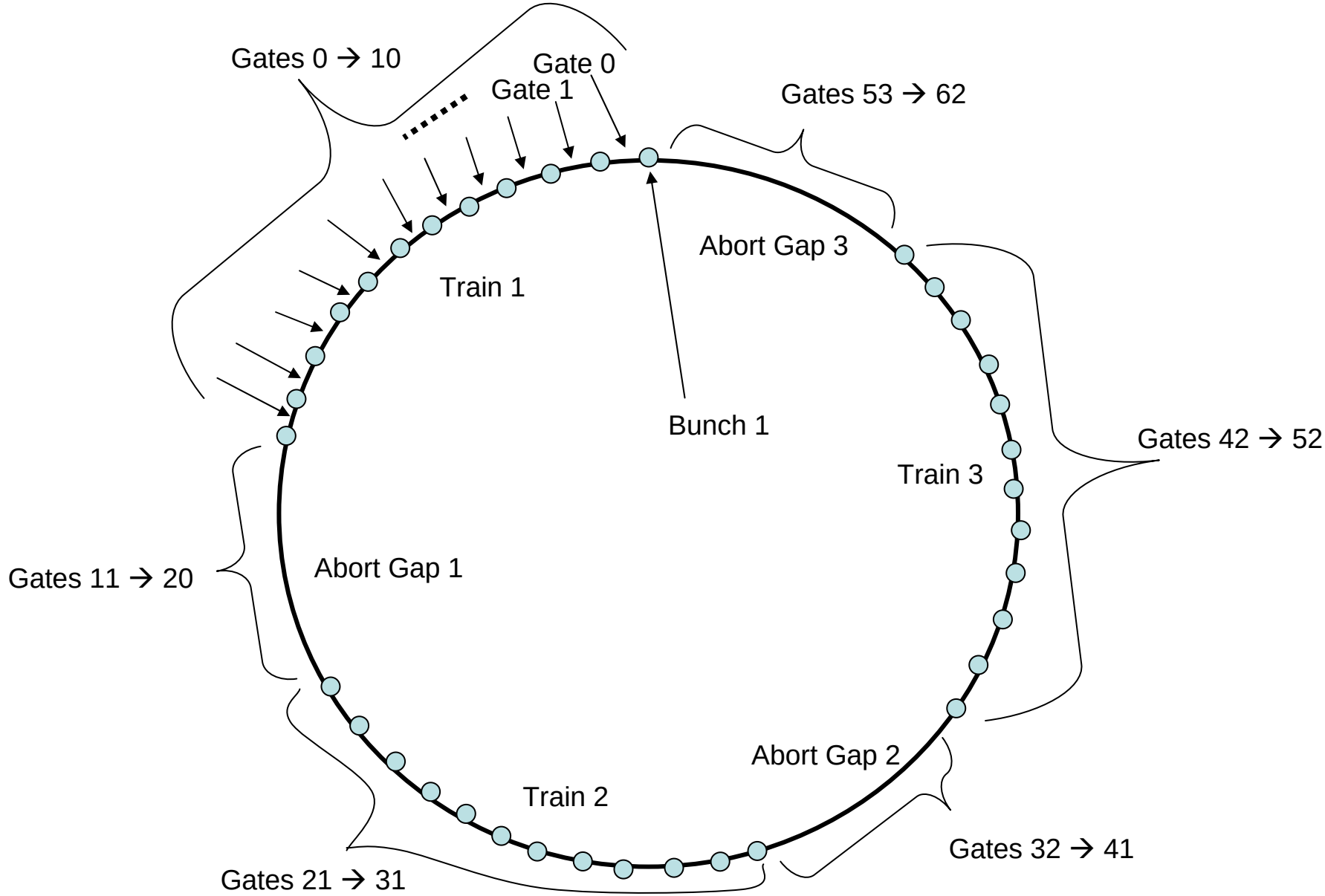
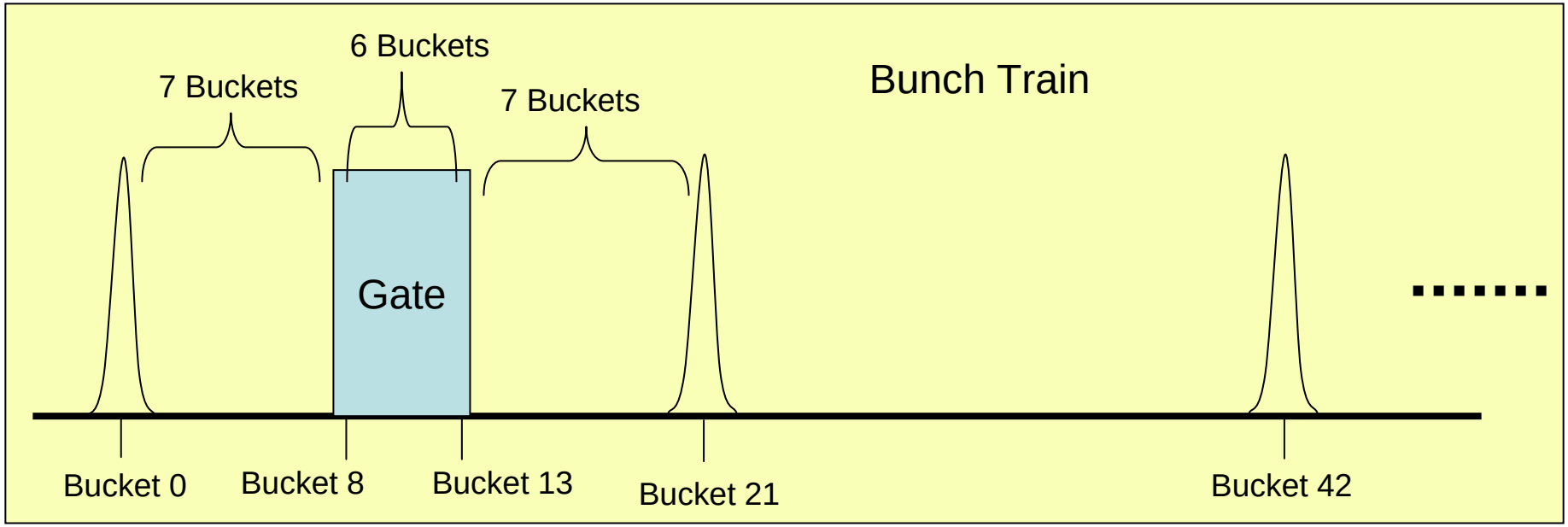
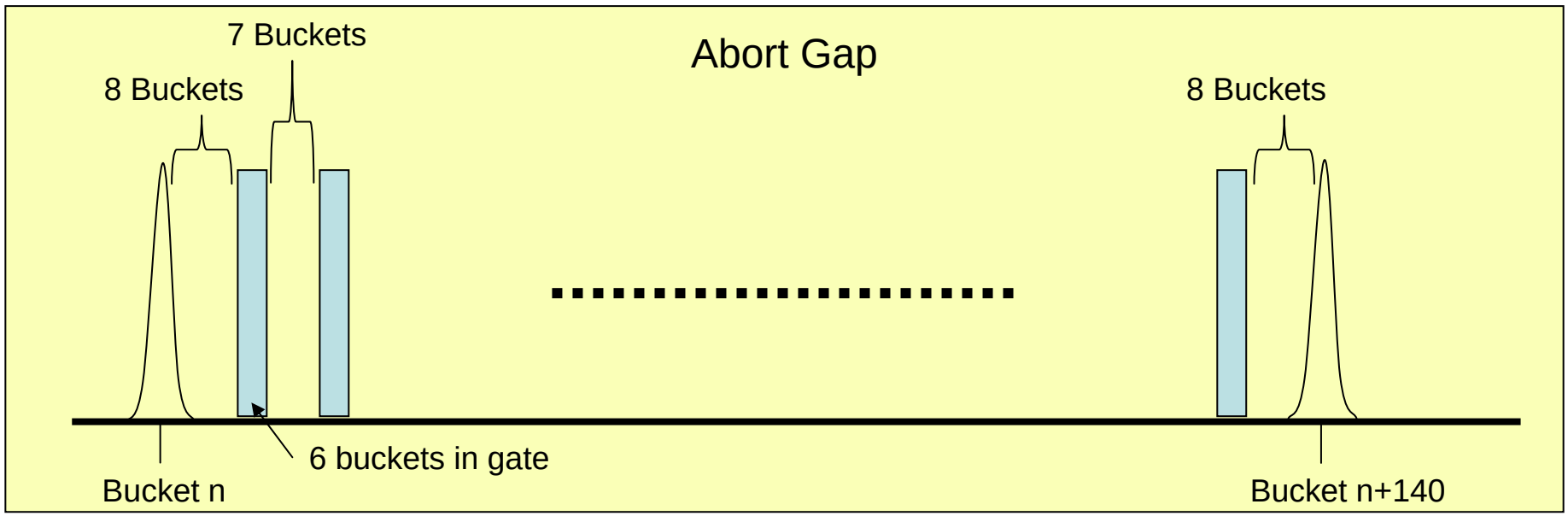
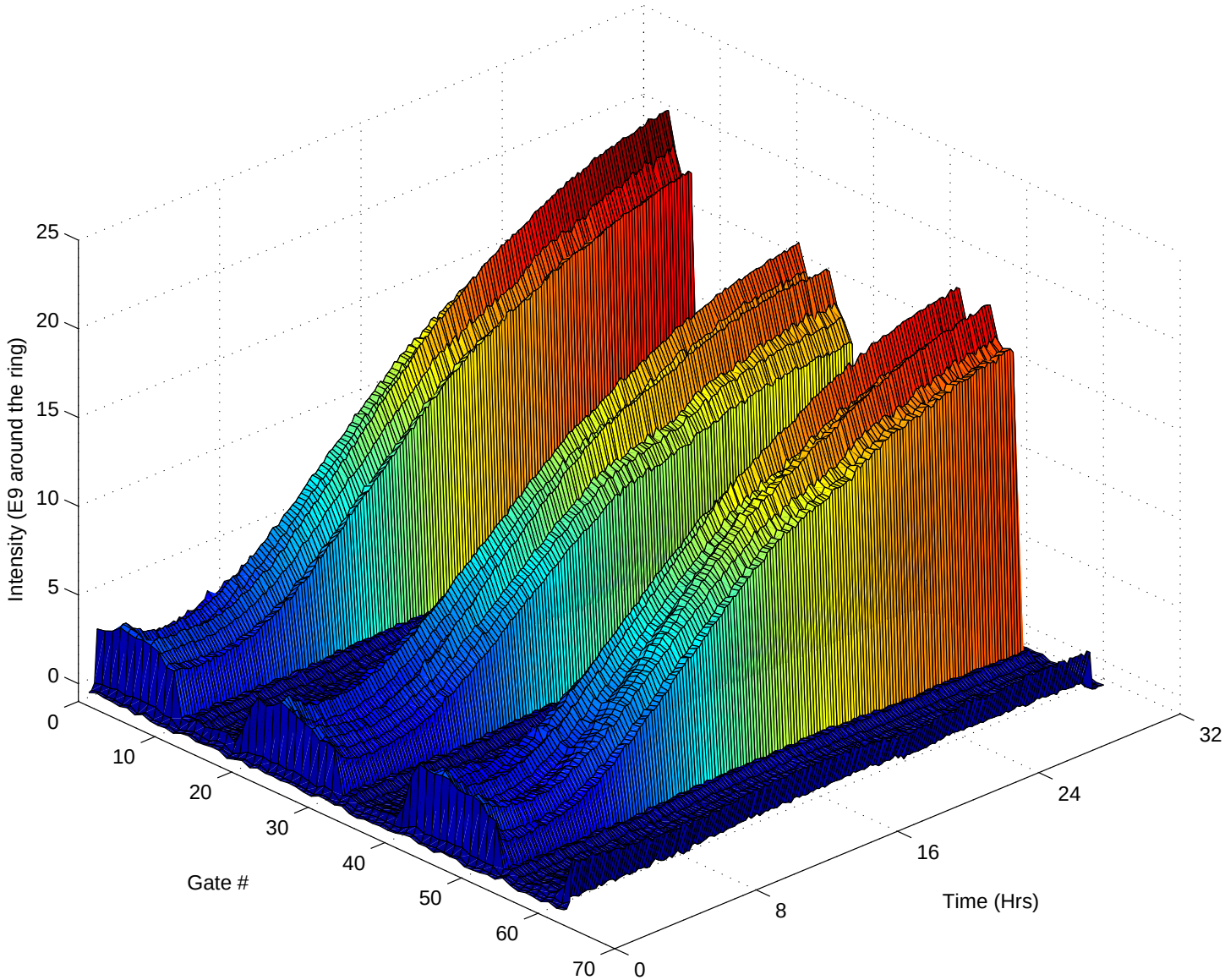
Abort Gap Monitor

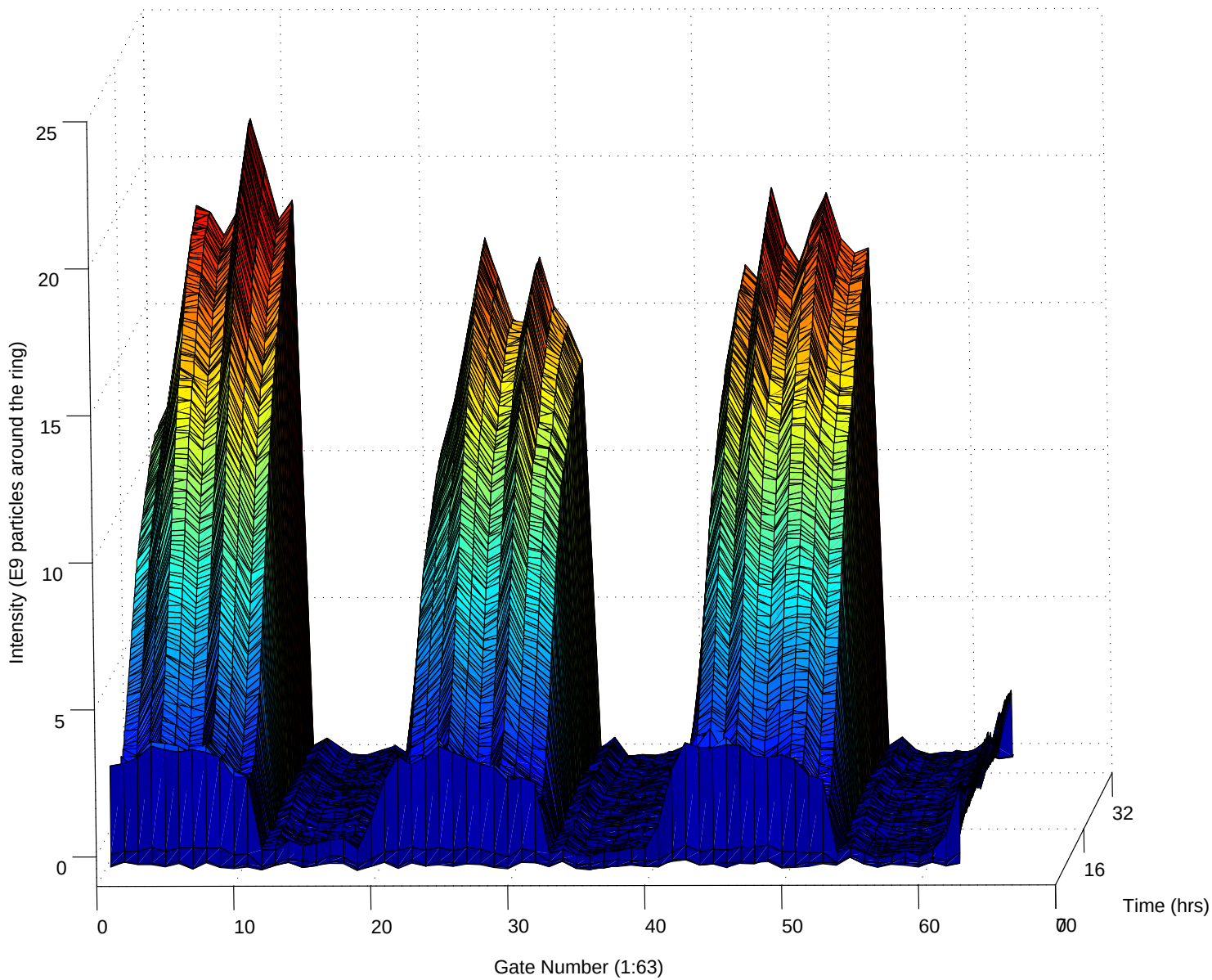
- Added 63 gates spread around the ring
- 6 bucket gate ~centered between each bunch
- 10 evenly spaced 6 bucket gates in the abort gaps
- T:AGIDC[0:62]

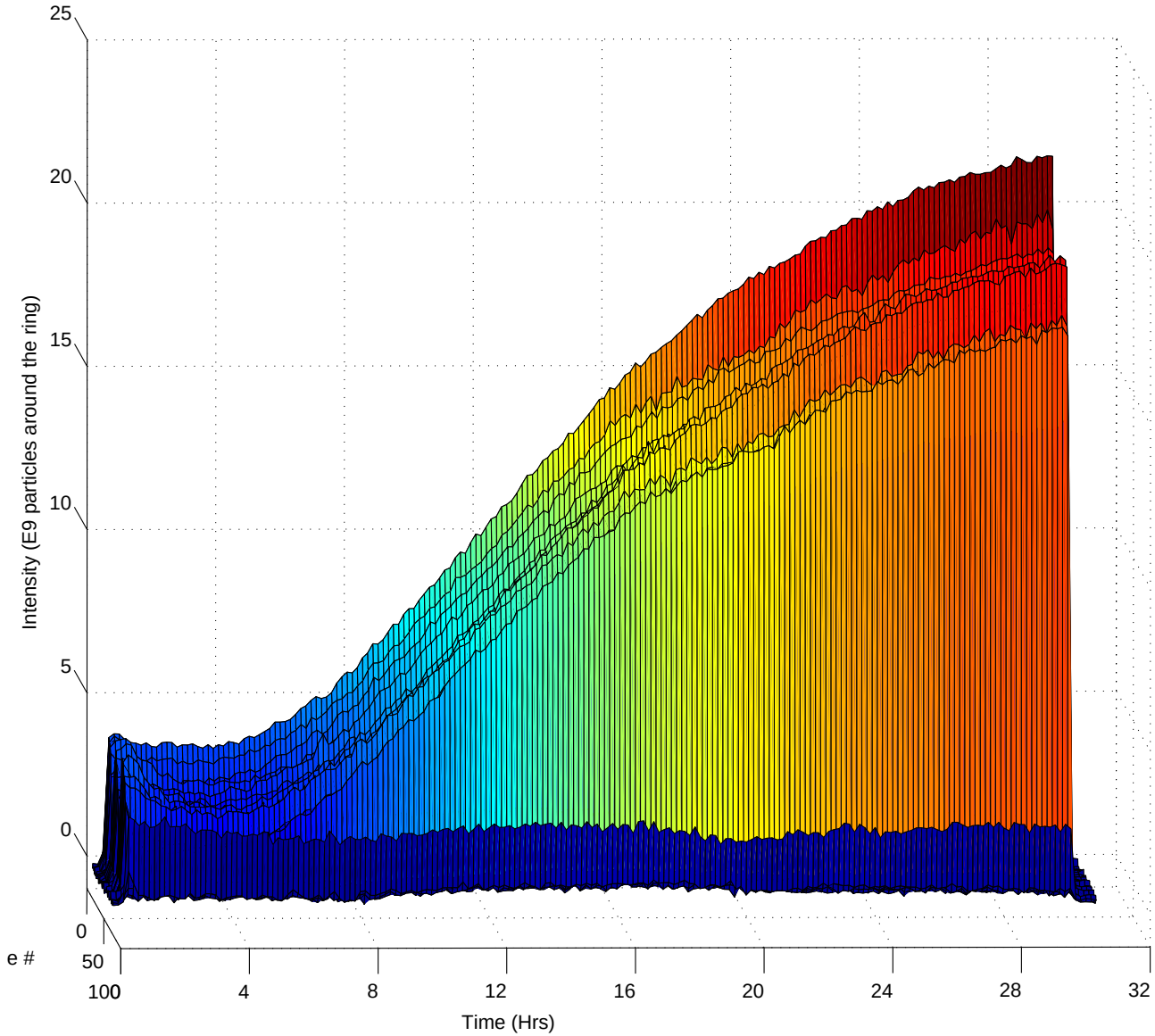

Gates 0 → 10
Gate 0
Gate 1
Gates 53 → 62
Abort Gap 3
Train 1
Bunch 1
Gates 42 → 52
Train 3
Gates 11 → 20
Abort Gap 1
Abort Gap 2
Train 2
Gates 32 → 41
Gates 21 → 31


Bunch Train
7 Buckets
6 Buckets
7 Buckets
Gate
Bucket 0
Bucket 8
Bucket 13
Bucket 21
Bucket 42


Abort Gap
7 Buckets
8 Buckets
8 Buckets
6 buckets in gate
Bucket n
Bucket n+140


Intensity (E9 around the ring)
25
20
15
10
5
0
0
10
20
30
40
50
60
70
Gate #
0
8
16
24
32
Time (Hrs)


Intensity (E9 particles around the ring)
25
20
15
10
5
0
0
10
20
30
40
50
60
70
Gate Number (1:63)
32
16
0
Time (hrs)


Intensity (E9 particles around the ring)
25
20
15
10
5
0
e #
0
50
100
4
8
12
16
20
24
28
32
Time (Hrs)