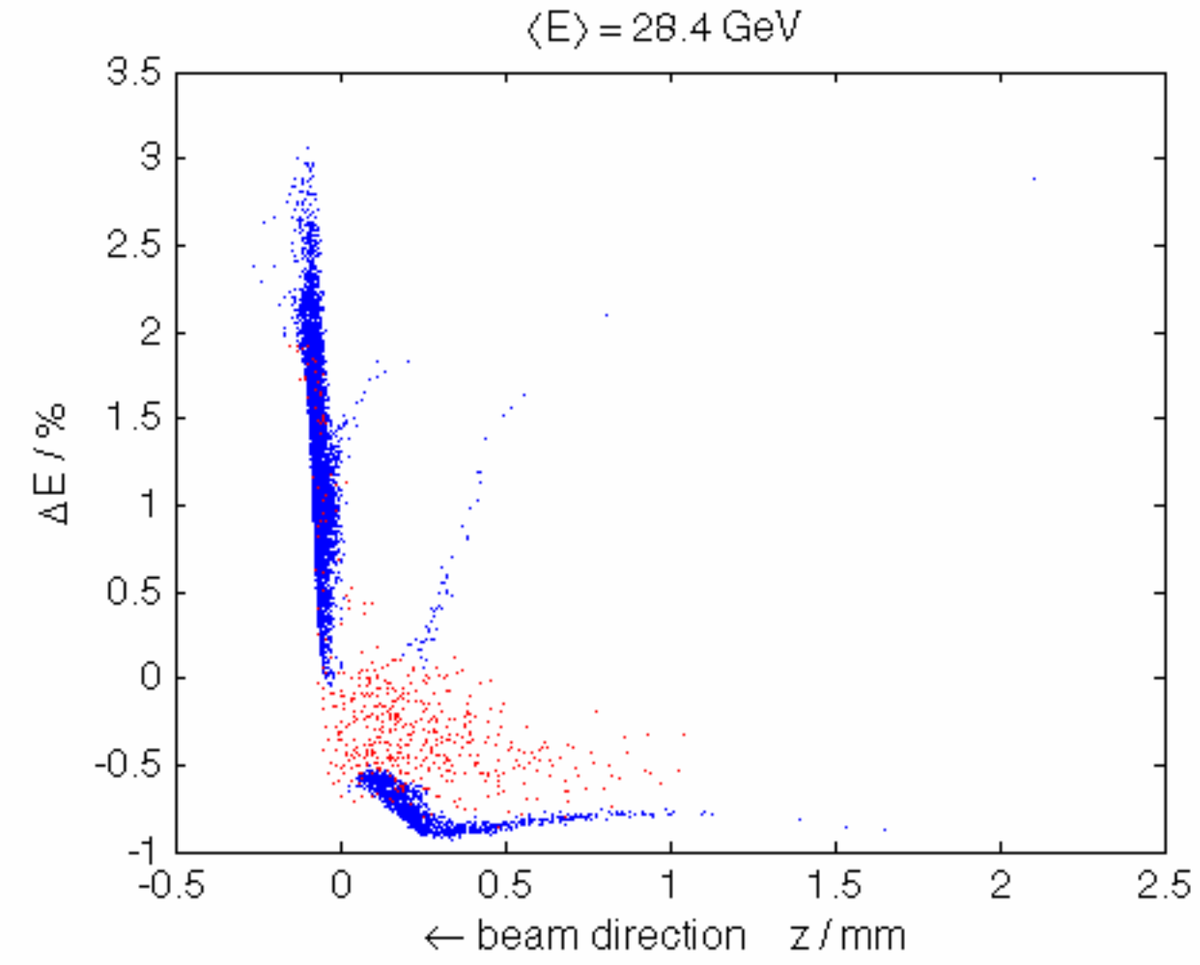
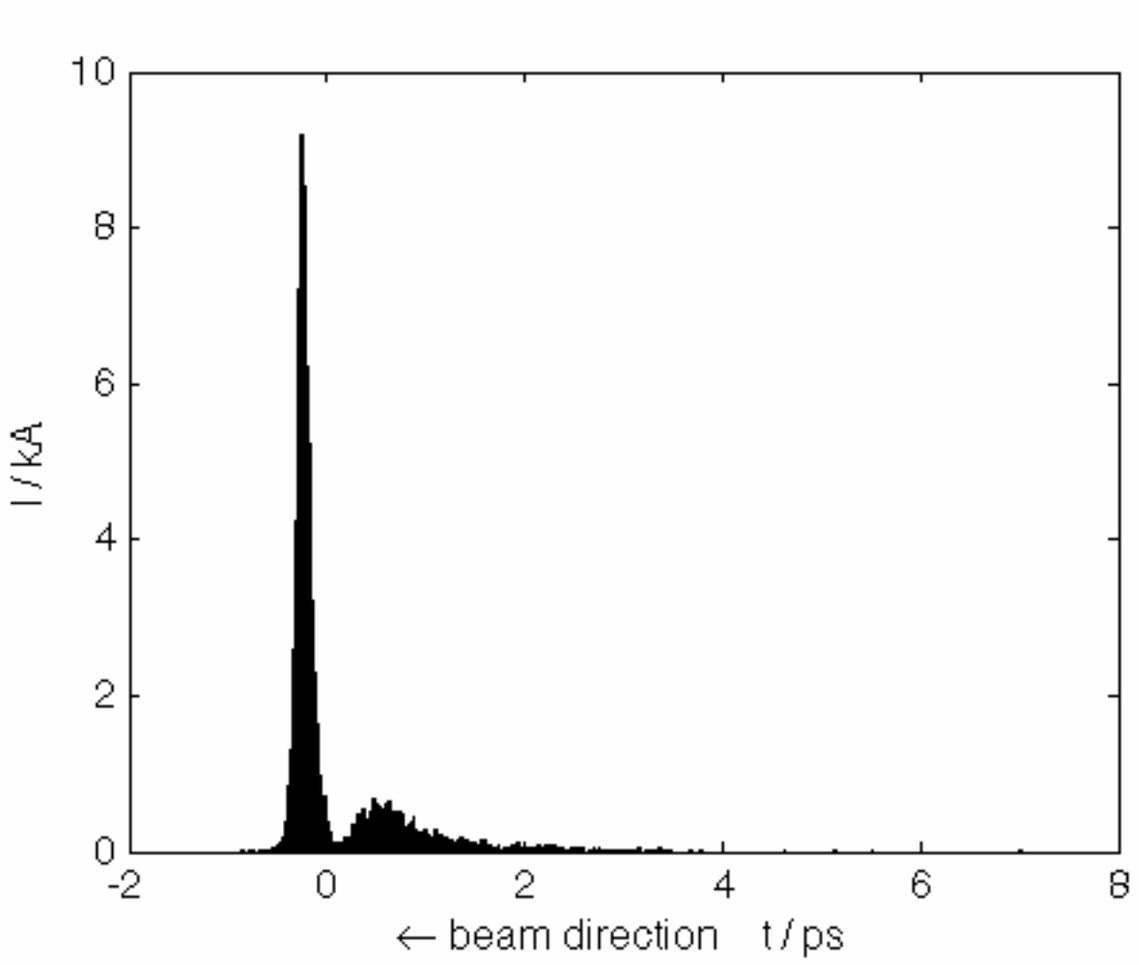

⟨E⟩ = 28.4 GeV
ΔE / %
3.5
3
2.5
2
1.5
1
0.5
0
-0.5
-1
-0.5
0
0.5
1
1.5
2
2.5
← beam direction z / mm


I / kA
10
8
6
4
2
0
-2
0
2
4
6
8
← beam direction t / ps