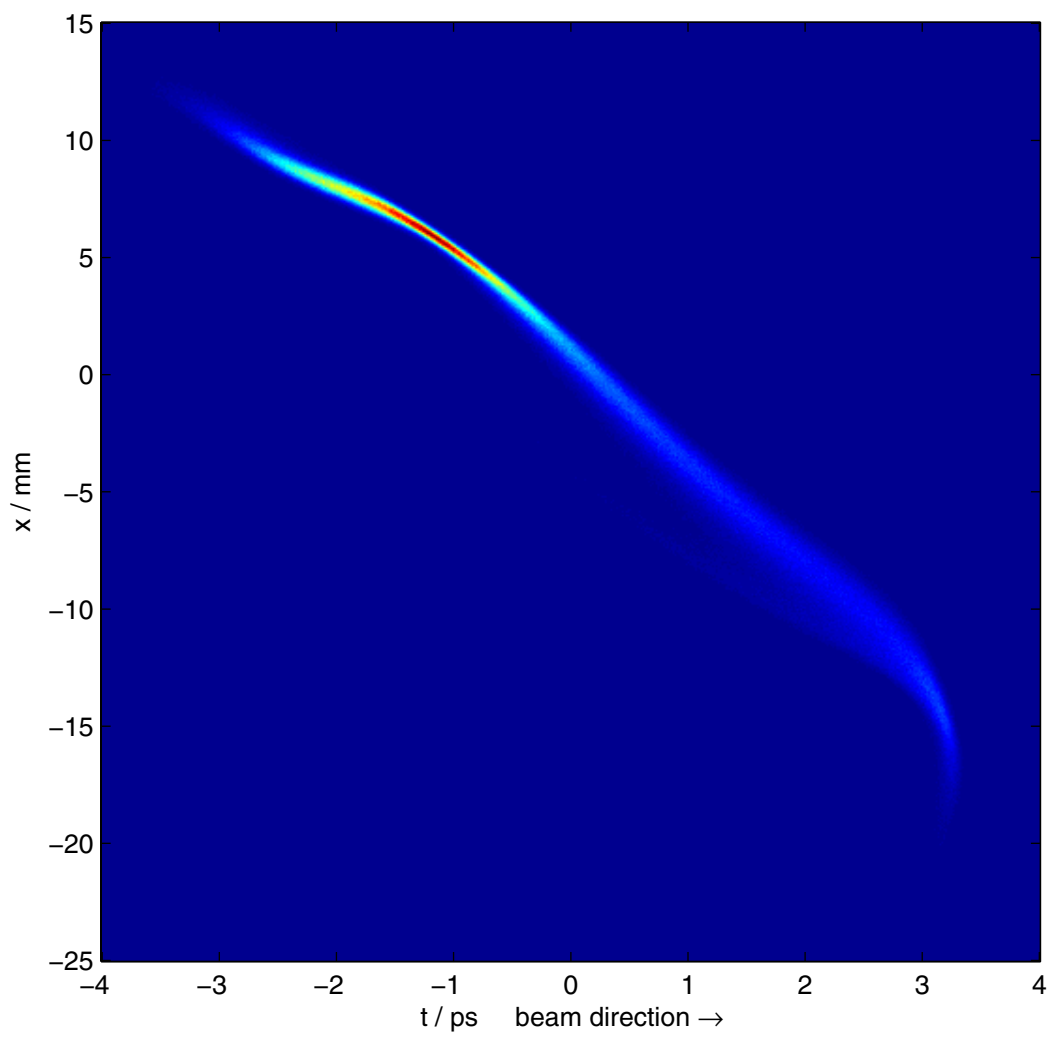

15
10
5
0
−5
−10
−15
−20
−25
x / mm
−4
−3
−2
−1
0
1
2
3
4
t / ps
beam direction →