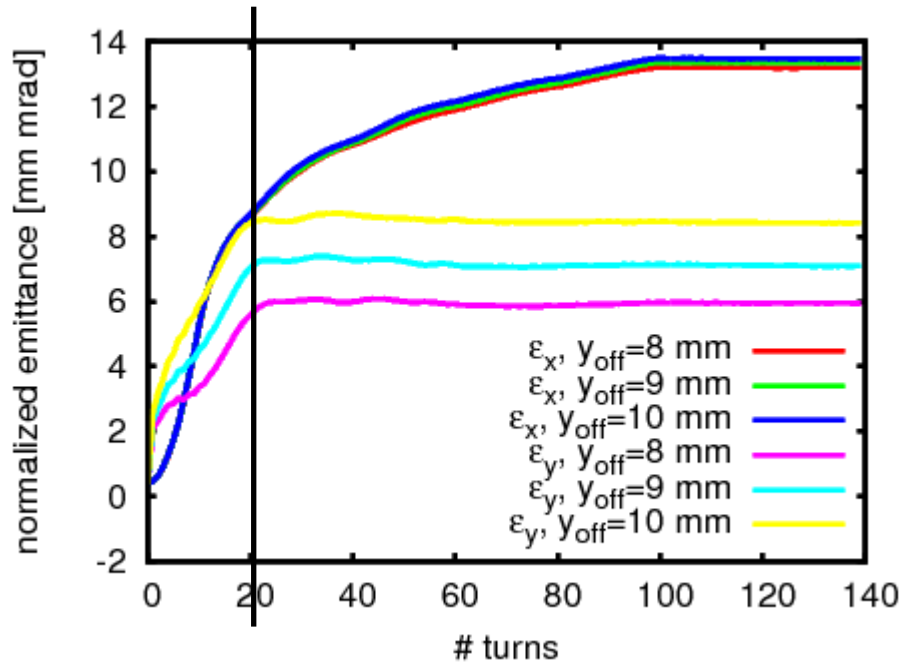


INJECTION OF ISOLDE BEAMS

J.L. Abelleira, C. Bracco

500k macroparticles

betx=5.51623, bety=3.69963, alfax=0.00006447, alfay=0.000096156, Dx=-1.39, Dpx=0.000202



MAXdecayKSW=35 mm/10 μ s

$l_1=0.57*35$ mm

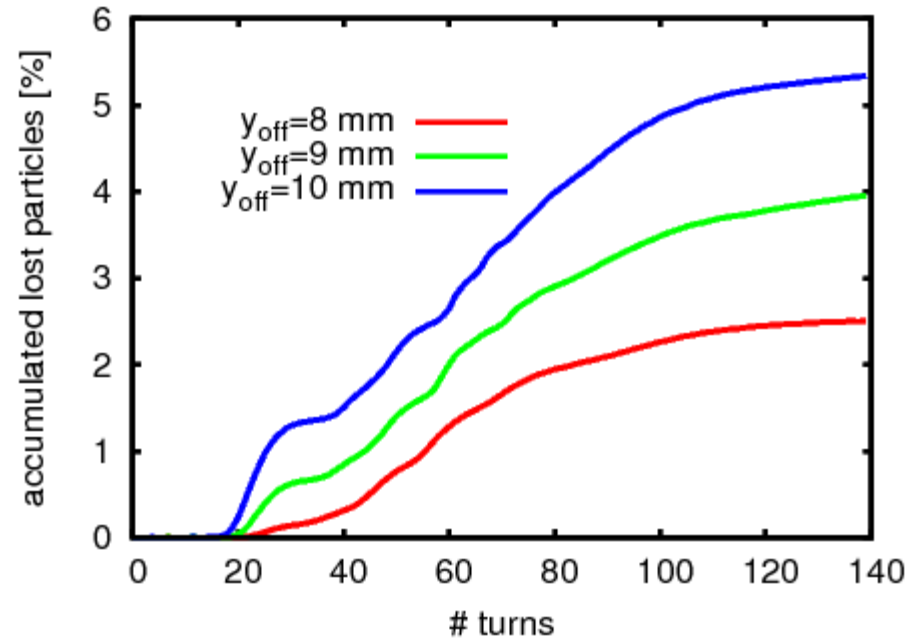
$t_1=15$ μ s

$l_2=0.50*35$ mm

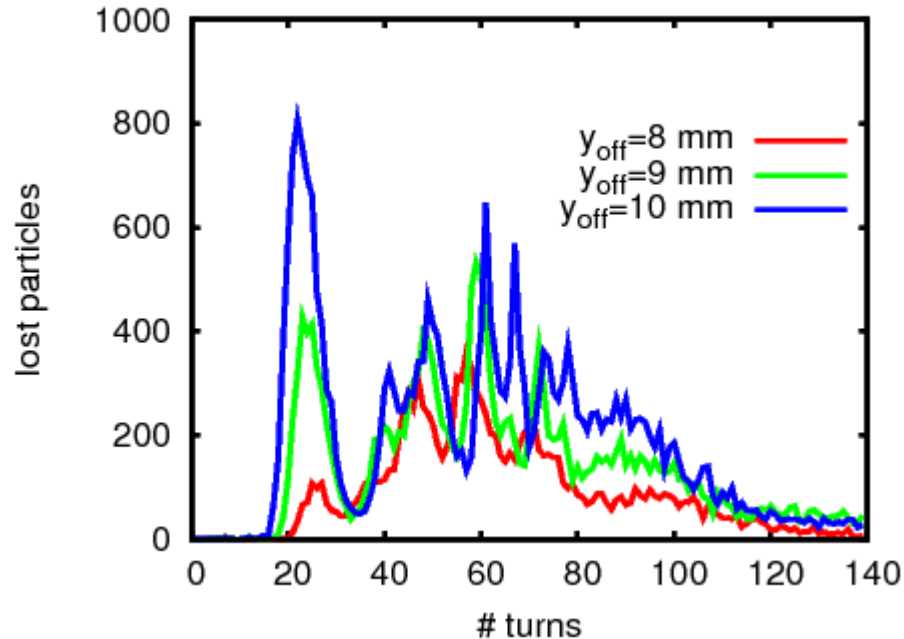
$t_2=[100,120]$ μ s

$l_f=45.9$ mm/5

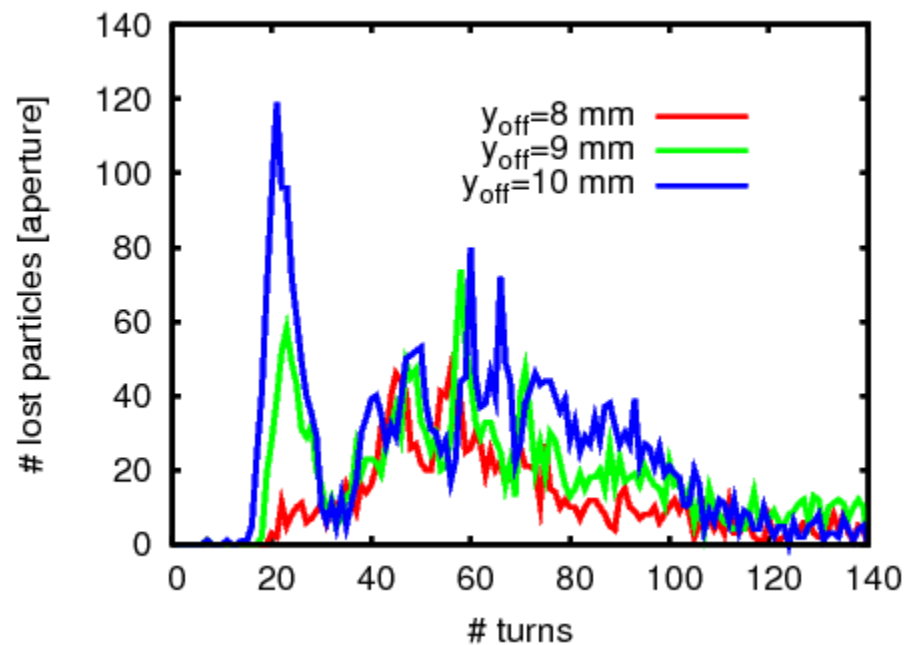
$t_3= t_2+(l_f-l_2)/(MAXdecayKSW);$



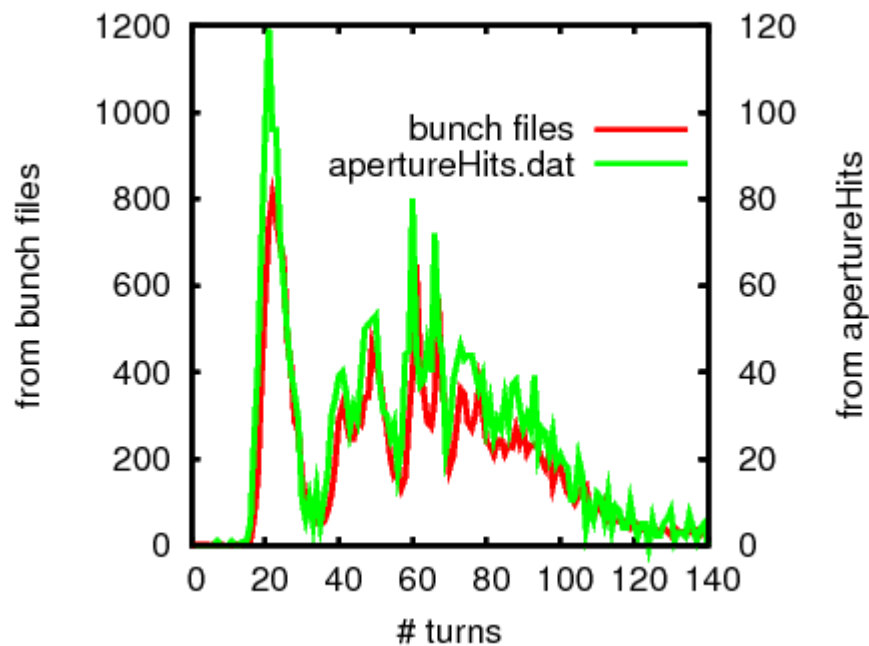
Losses

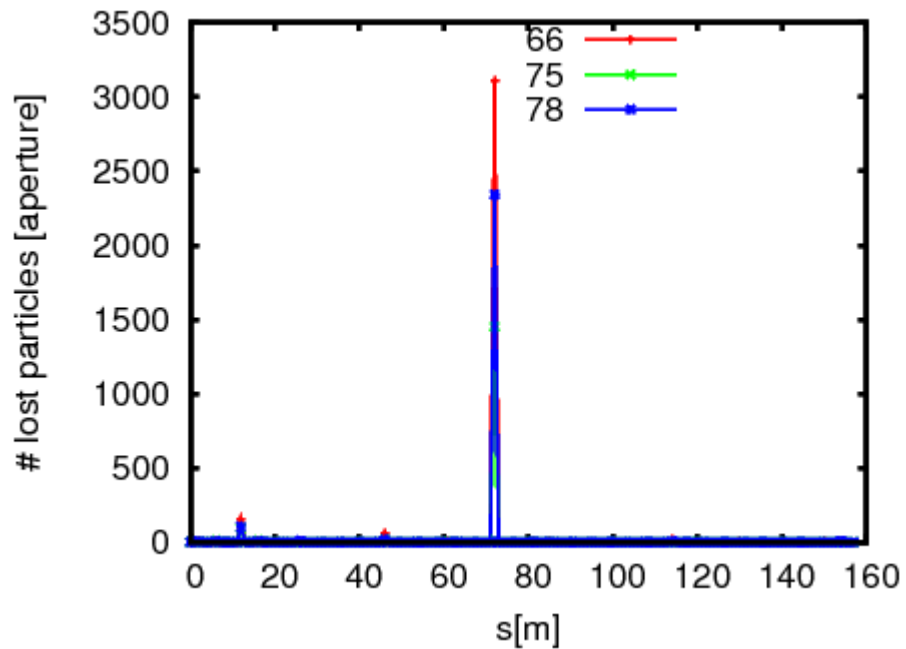


From the output bunch files

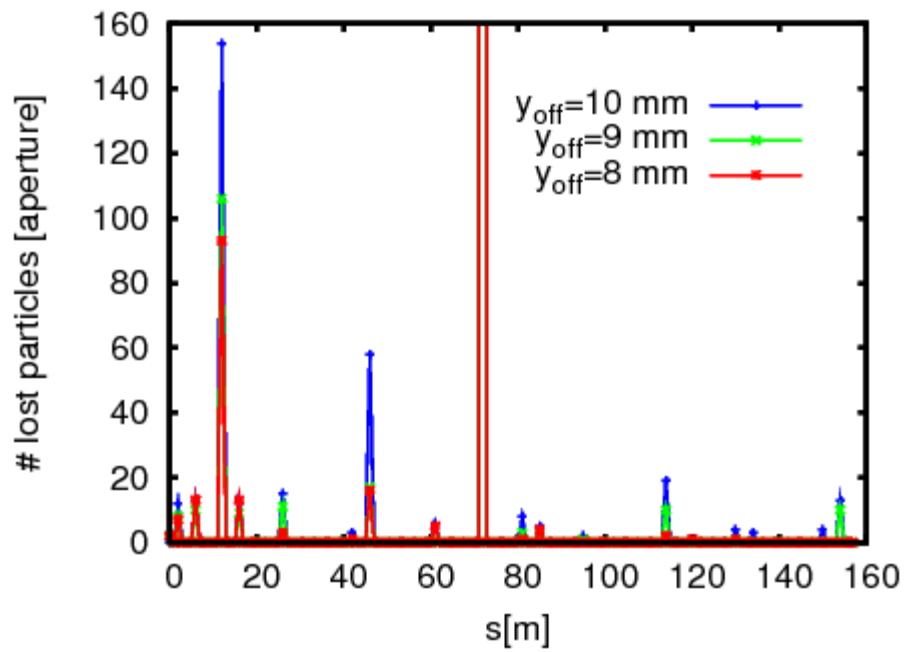


From apertureHits.dat

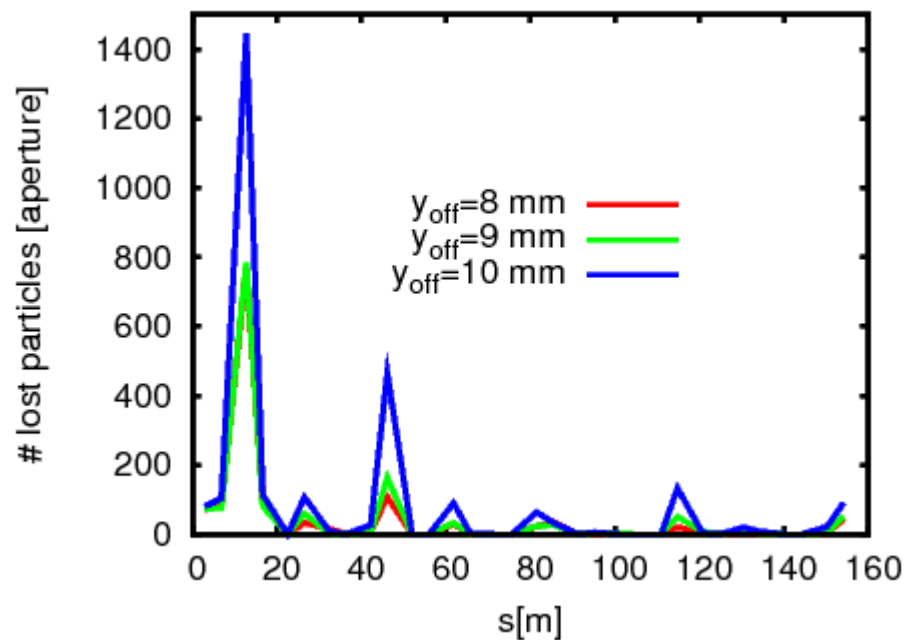


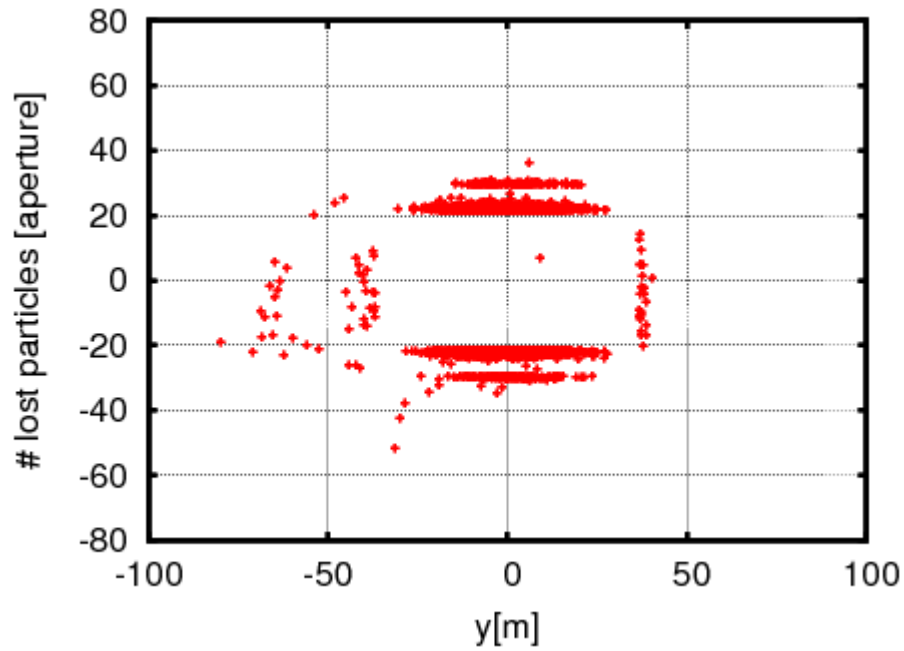


From apertureHits.dat



From Orbit.out





0.0309 (RBEND MADX)
0.0295 (scrap MADX)
0.022 (ORBIT)



0.06535 (RBEND MADX)
0.061 (scrap MADX)
0.041 (ORBIT)

Study of vertical offset in injection

