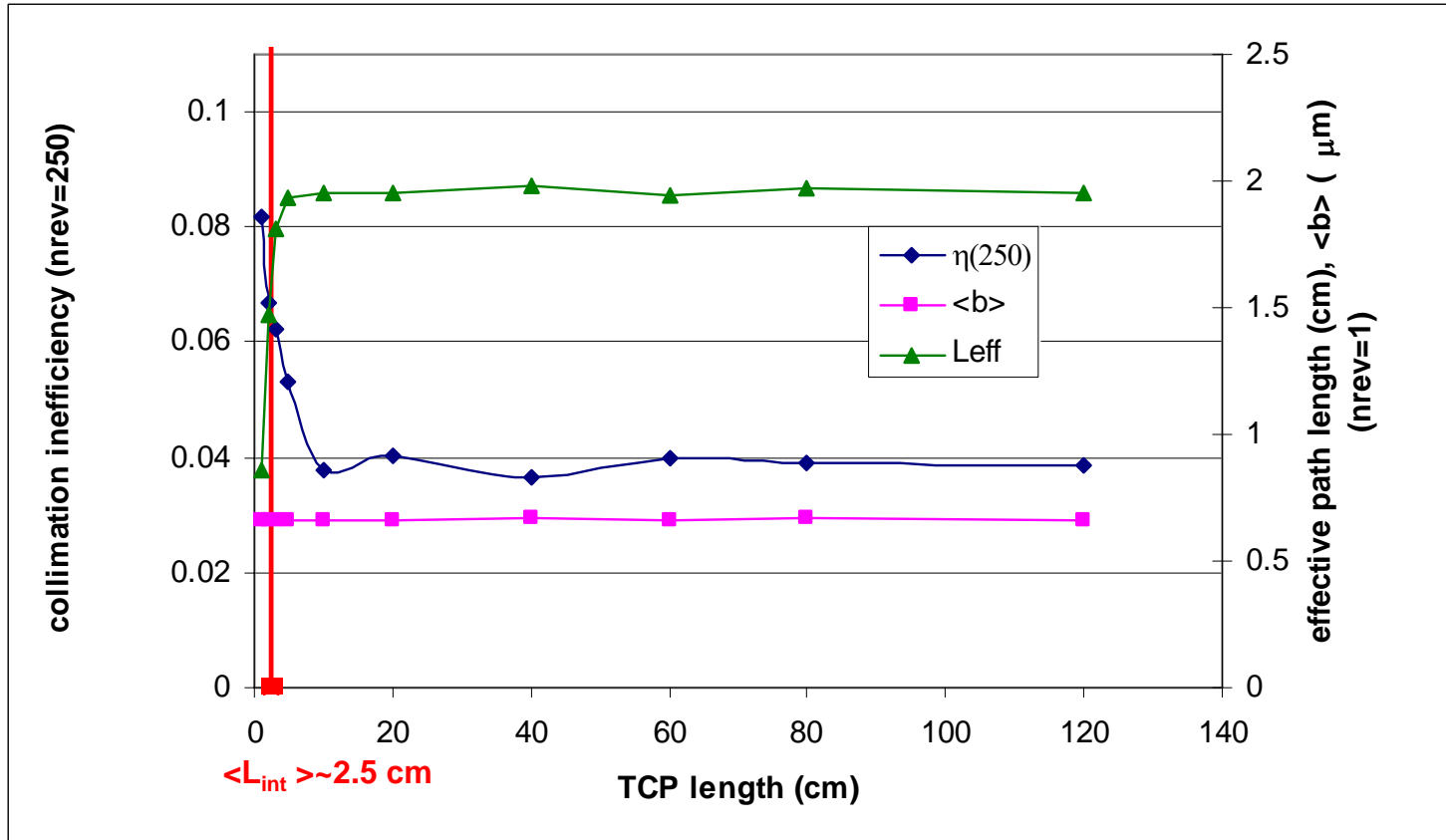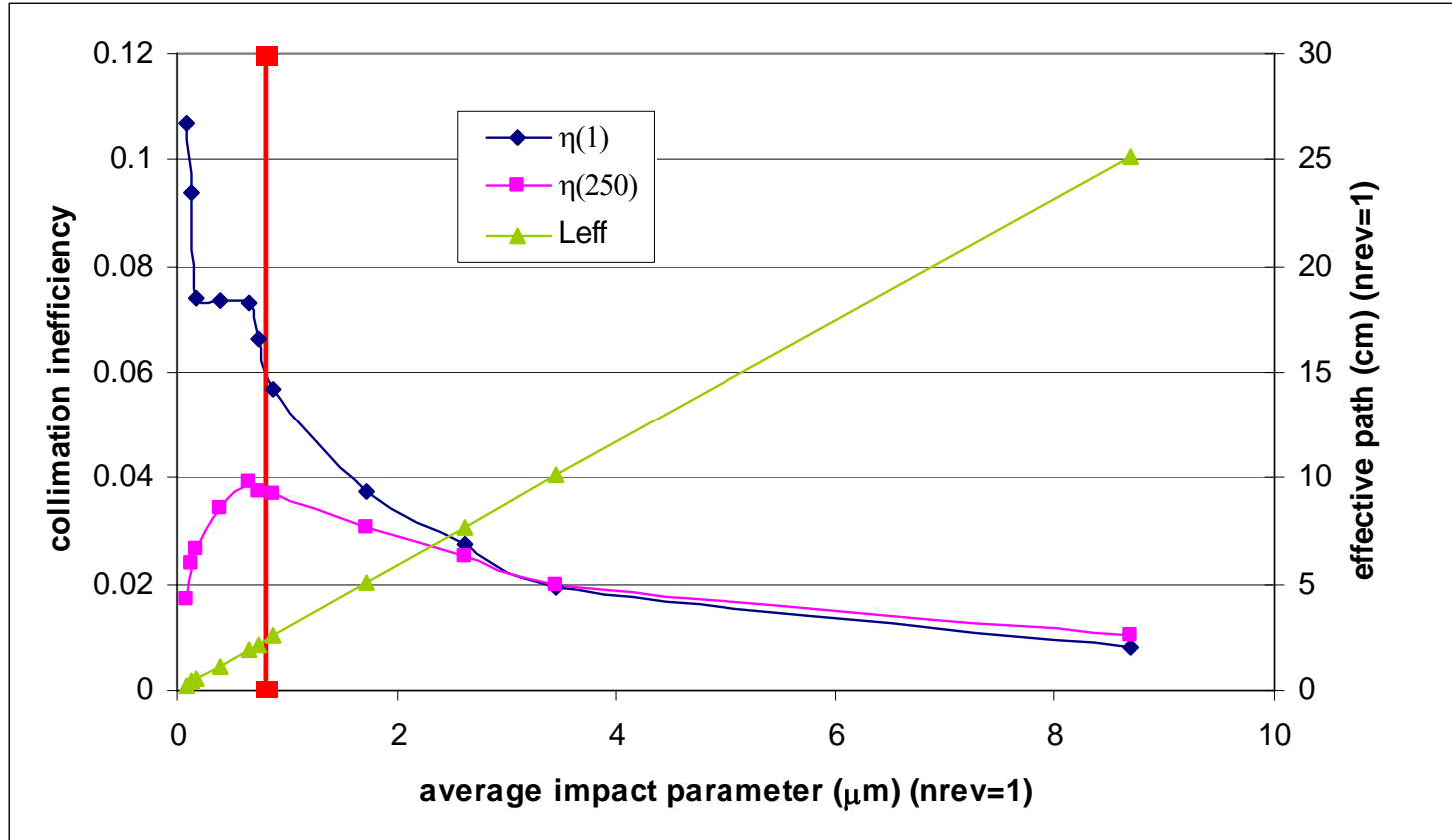# IR7 betatron collimation, beam1@collision energy

__Case 1__: vary TCP length at fixed skin depth parameter

IR7 betatron collimation, beam1@collision energy

Case 2: $L_{\_TCP}$ = 0.6 m, vary skin depth parameter

IR7 betatron collimation, beam1@collision energy

At successive revolutions…($L_{\_TCP}$=0.6m, $<b>_{nrev=1}$=0.13µm, $Leff_{nrev=1}$=0.39cm)