Analysis of channeling for run 5870, crystal TCP76

Run date: 2017-12-04 Particle type: Xenon

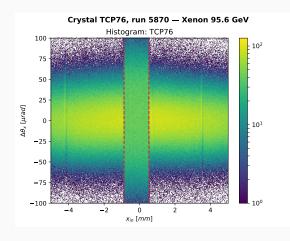
Particle energy: 95.6 GeV

FRANCESCO FORCHER December 18, 2017









Cuts in x:

x1: -0.875 [mm]

x2: 0.525 [mm]

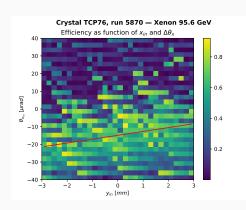
Cuts in y:

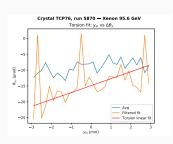
y1: -3.000 [mm]

y2: 3.000 [mm]

TORSION ANALYSIS: EFFICIENCY FIT







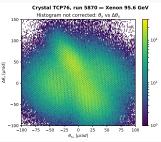
Efficiency fit:

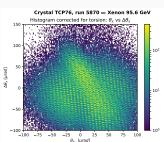
m: 2.2 [μ rad/mm]

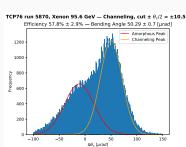
q: -14.9 [μ rad]

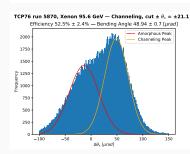
DEFLECTION HISTOGRAMS











Channeling analysis