Analysis of channeling for run 4376, crystal STF110

Run date: 2017-05-16 Particle type: Pions

Particle energy: 180 GeV

Francesco Forcher November 27, 2017







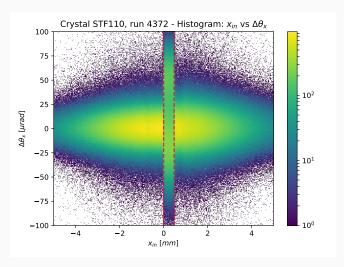
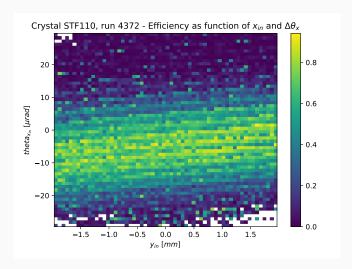


Figure 1: Geometrical cuts in x: 0.0 -> 0.5 [mm]

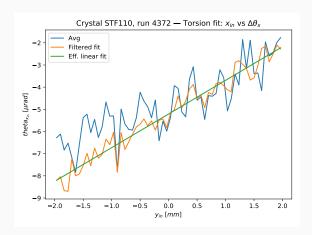




Torsion correction

TORSION ANALYSIS: EFFICIENCY FIT





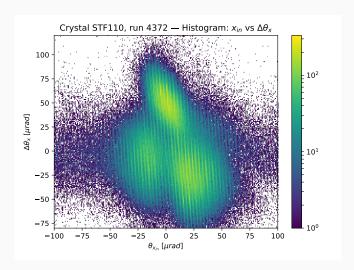
Efficiency fit:

m: 1.51 [μ rad/mm]

q: -5.21 [μ rad]

TORSION ANALYSIS: CORRECTED HISTOGRAM

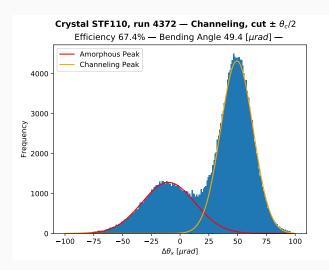




Torsion correction







Channeling analysis





