Analysis of channeling for run 4397, crystal STF107

Run date: 2017-05-16
Particle type: Pions
Particle energy: 180 GeV

Francesco Forcher

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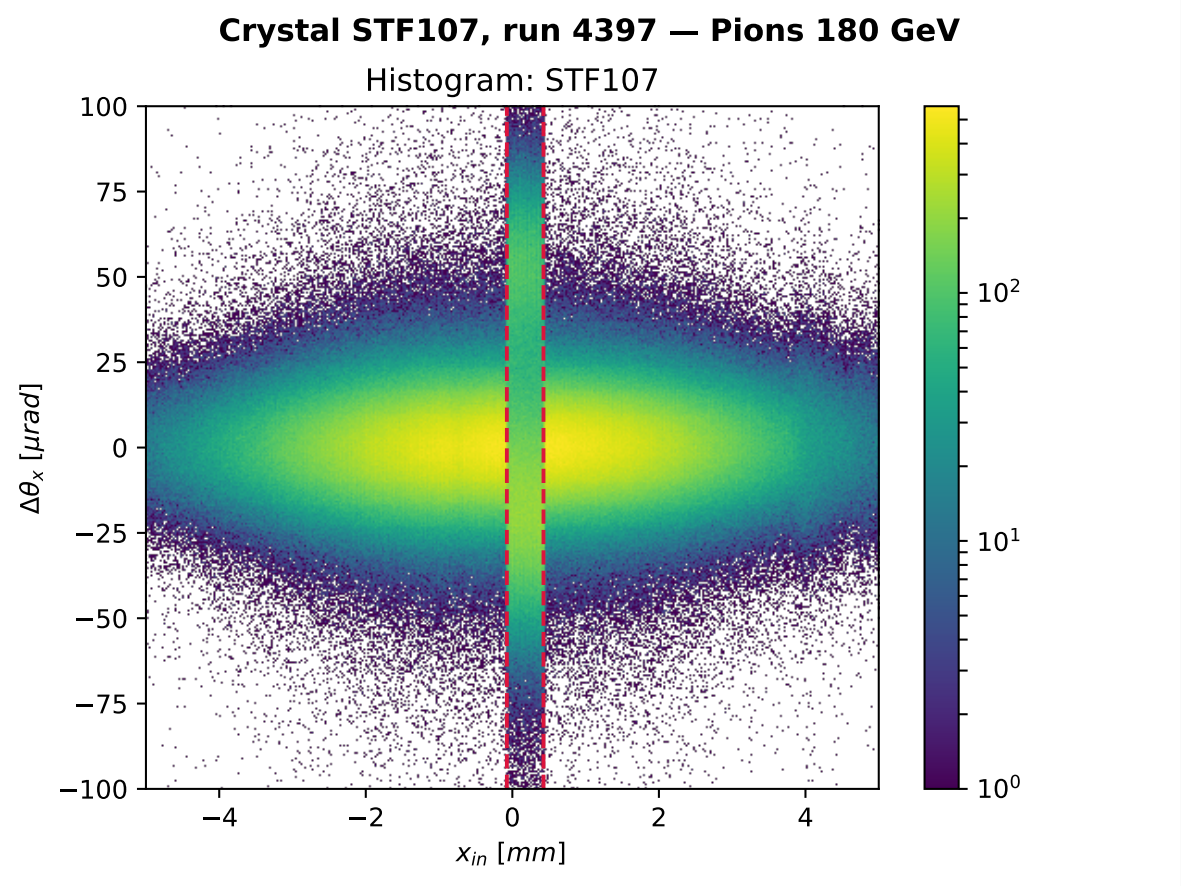
Geometrical cuts



Cuts in x:

x1: -0.075 [mm]

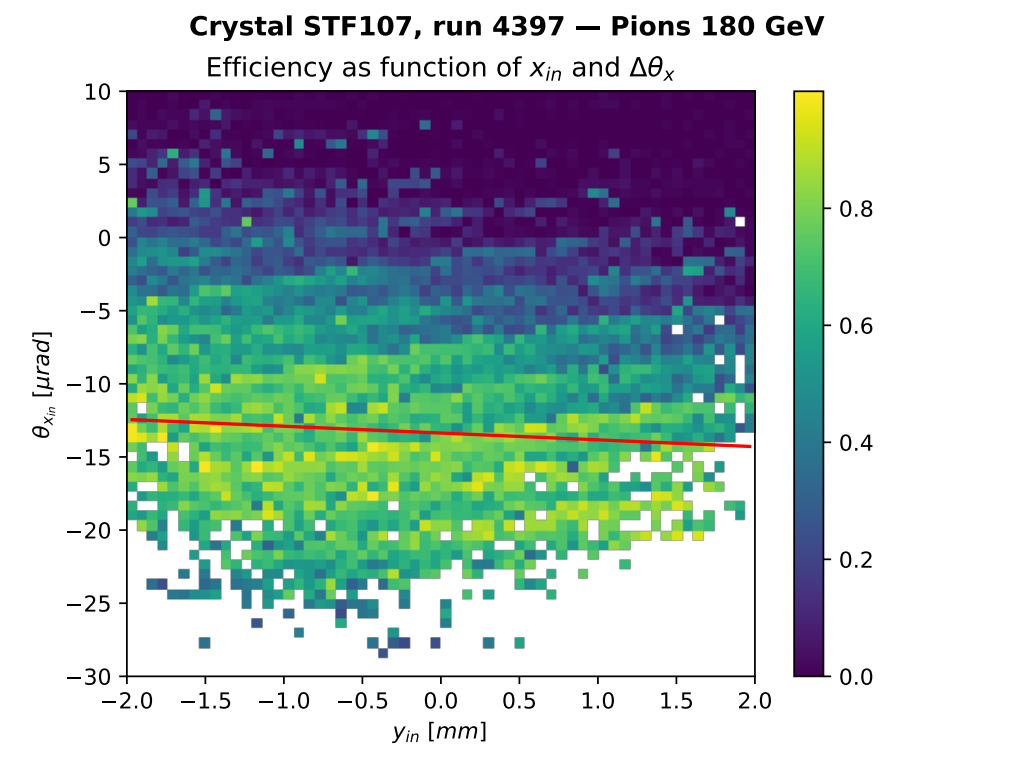
x2: 0.425 [mm]

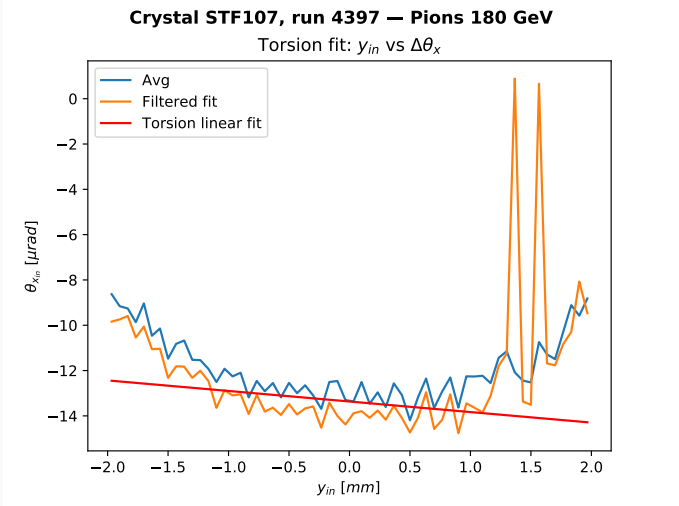
Cuts in y:

y1: -2.000 [mm]

y2: 2.000 [mm]

Torsion analysis: efficiency fit



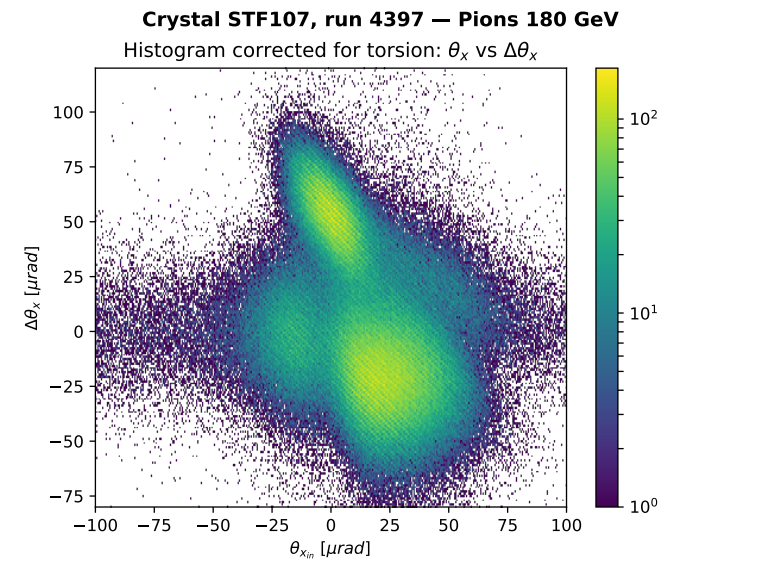


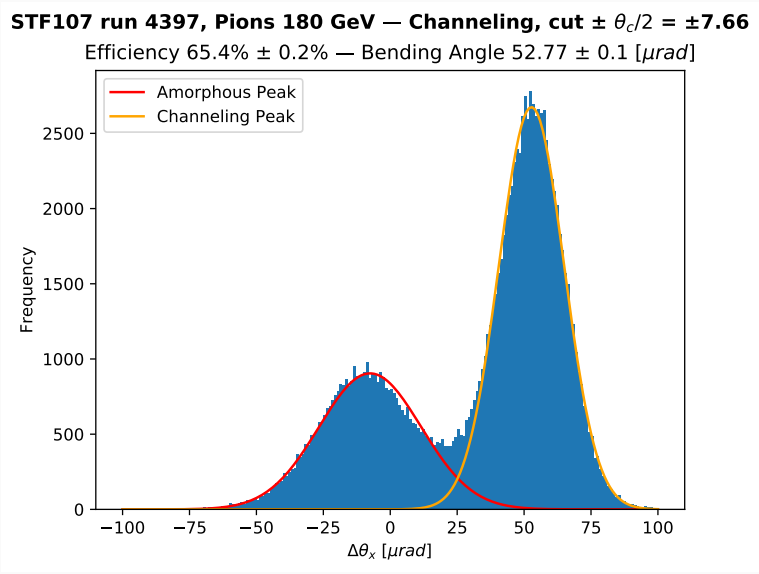
Efficiency fit:

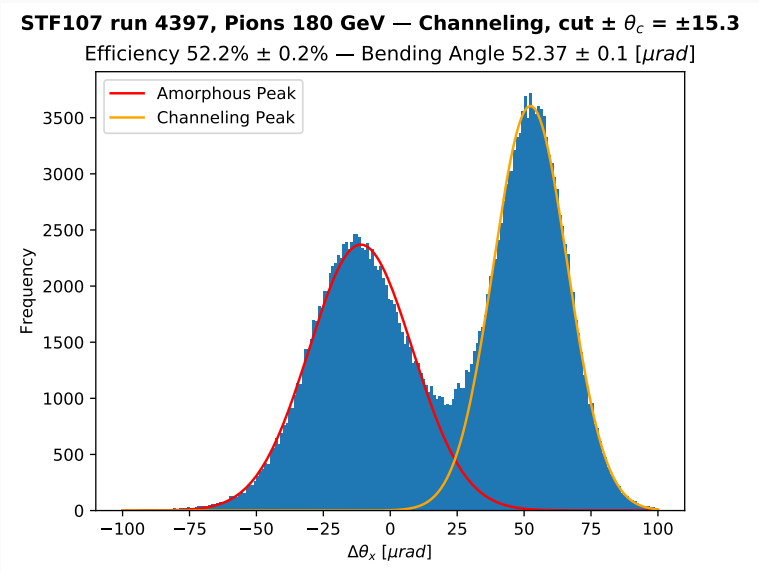
m: -0.5 [μrad/mm]

q: -13.4 [μrad]

Deflection: torsion corrected histograms







Deflection: asymmetric cut histograms