Analysis of channeling for run 2262, crystal STF101

Run date: 2015-05-04
Particle type: Protons
Particle energy: 400 GeV

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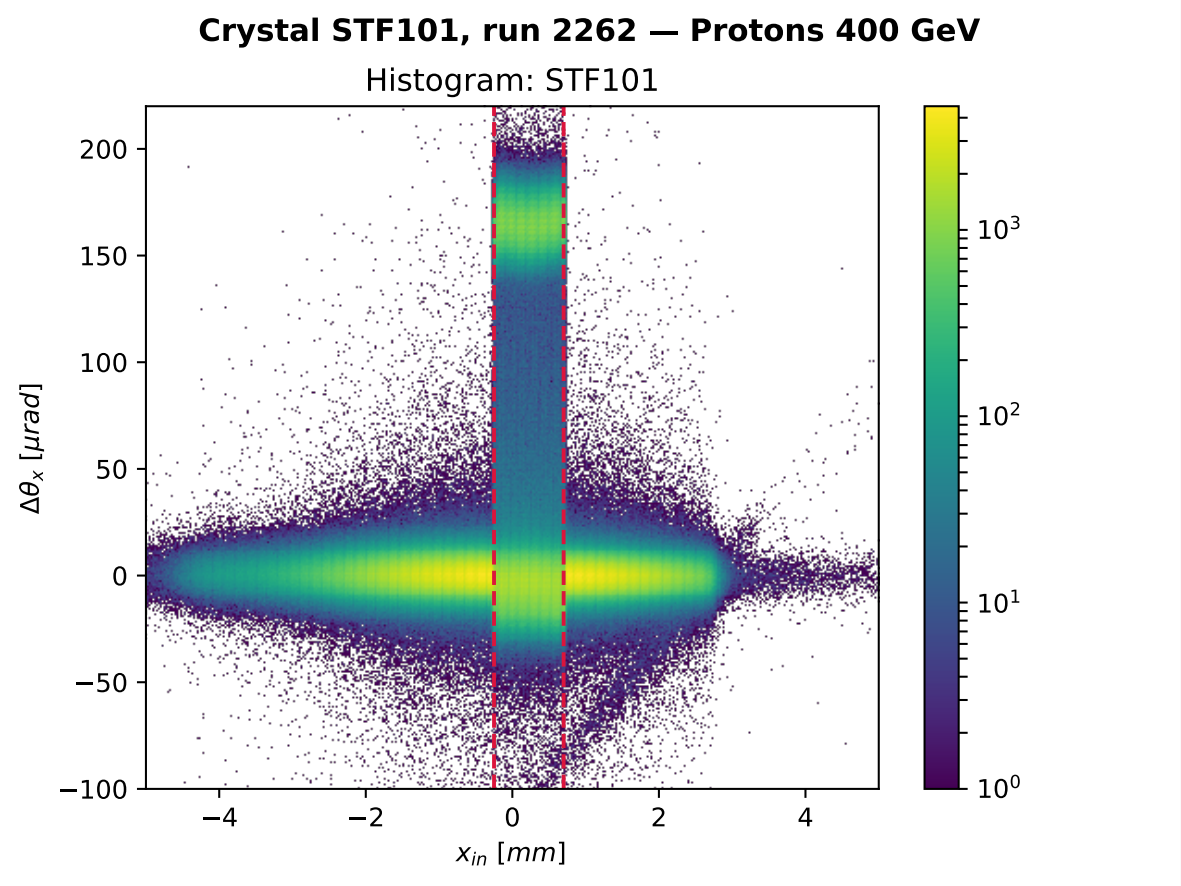
February 13, 2018

Geometrical cuts



Cuts in x:

x1: -0.250 [mm]

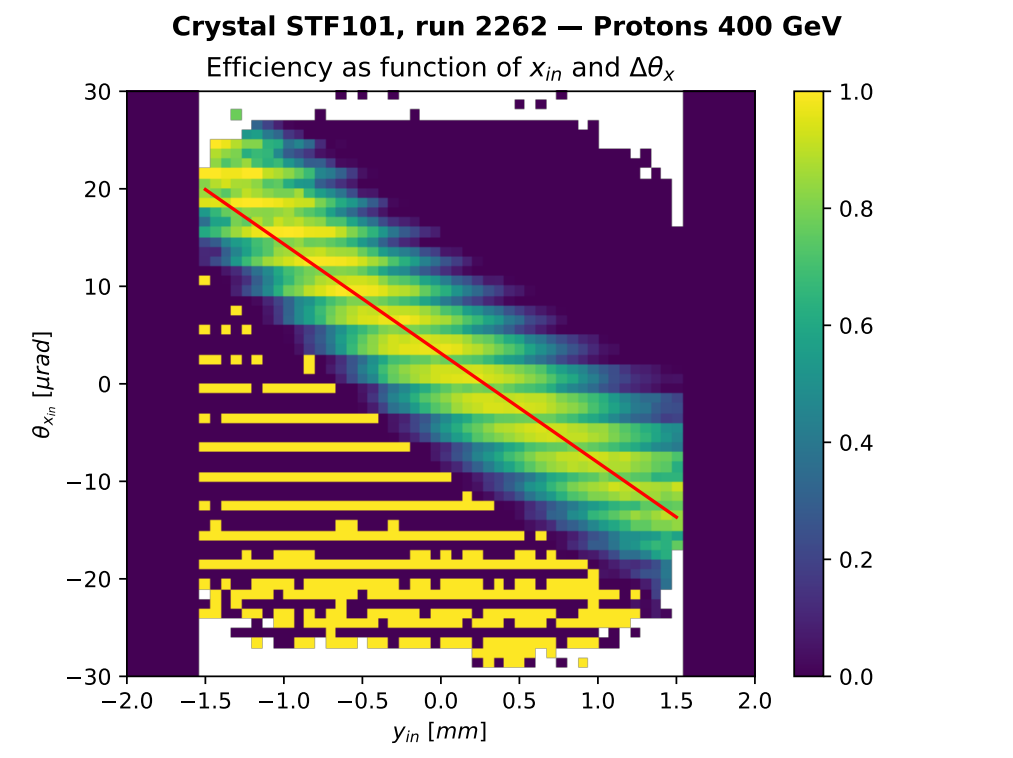
x2: 0.700 [mm]

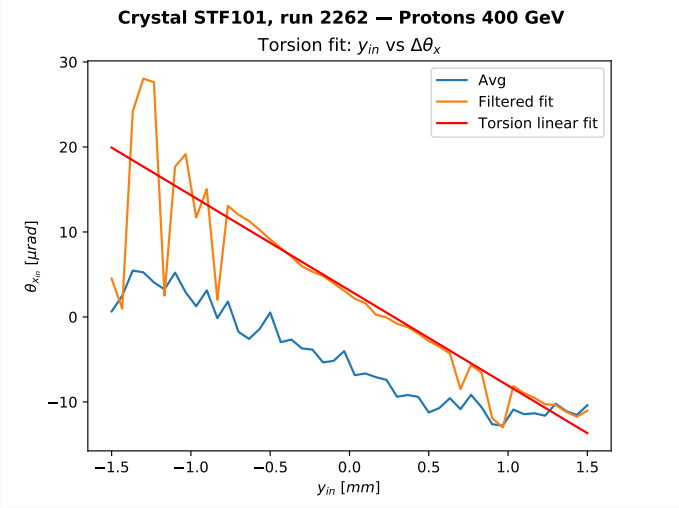
Cuts in y:

y1: -1.500 [mm]

y2: 1.500 [mm]

Torsion analysis: efficiency fit



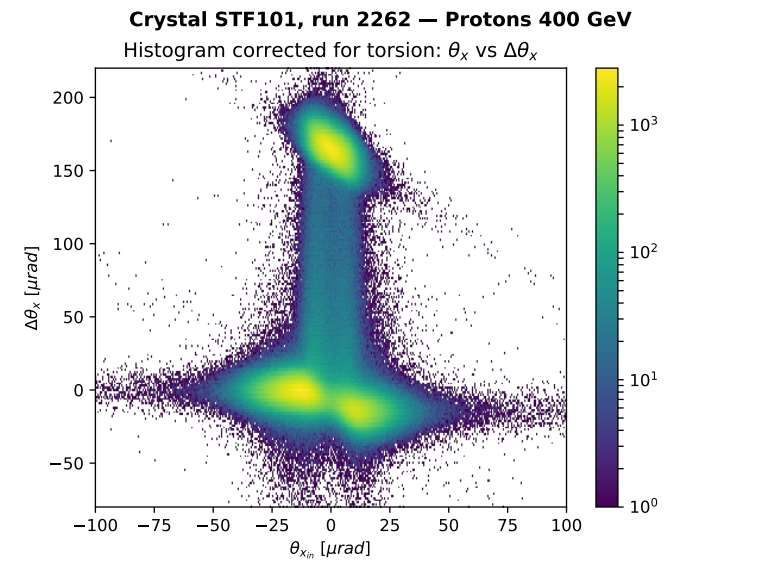


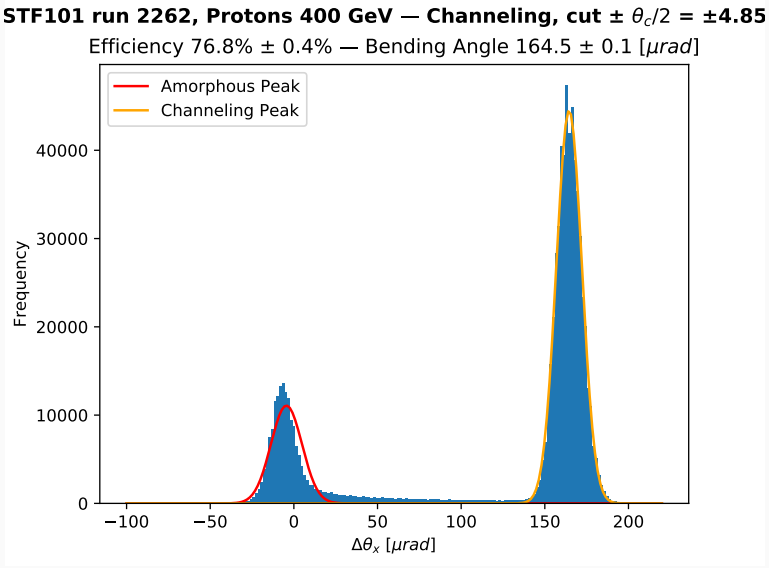
Efficiency fit:

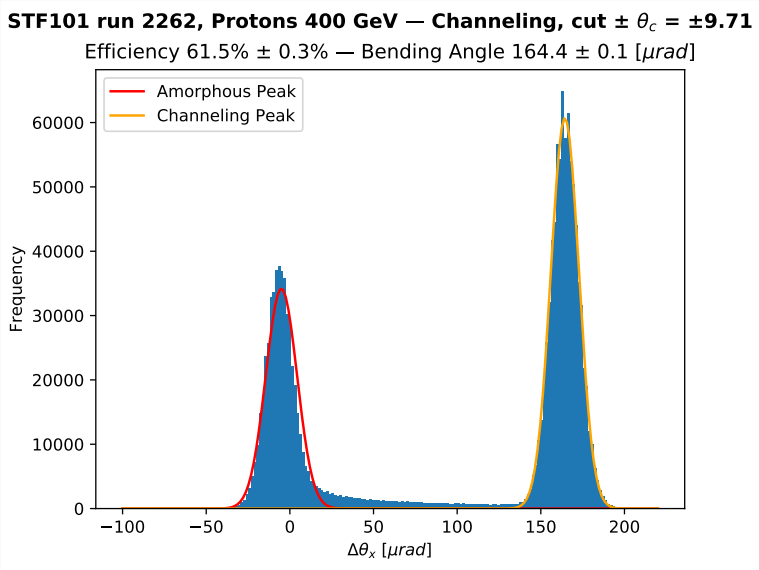
m: -11.2 [μrad/mm]

q: 3.1 [μrad]

Deflection: torsion corrected histograms







Deflection: asymmetric cut histograms