Results from 2014 Beam Test
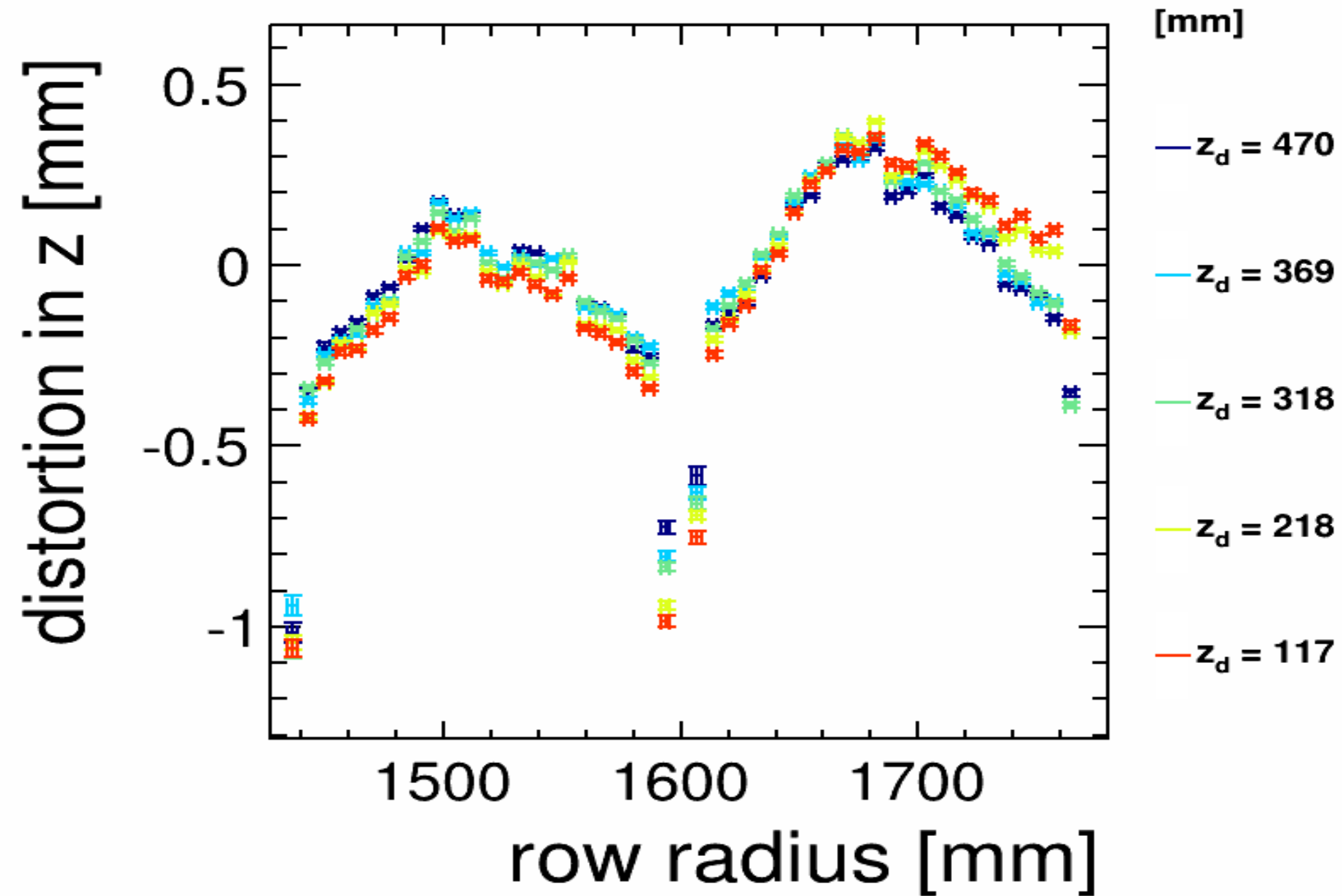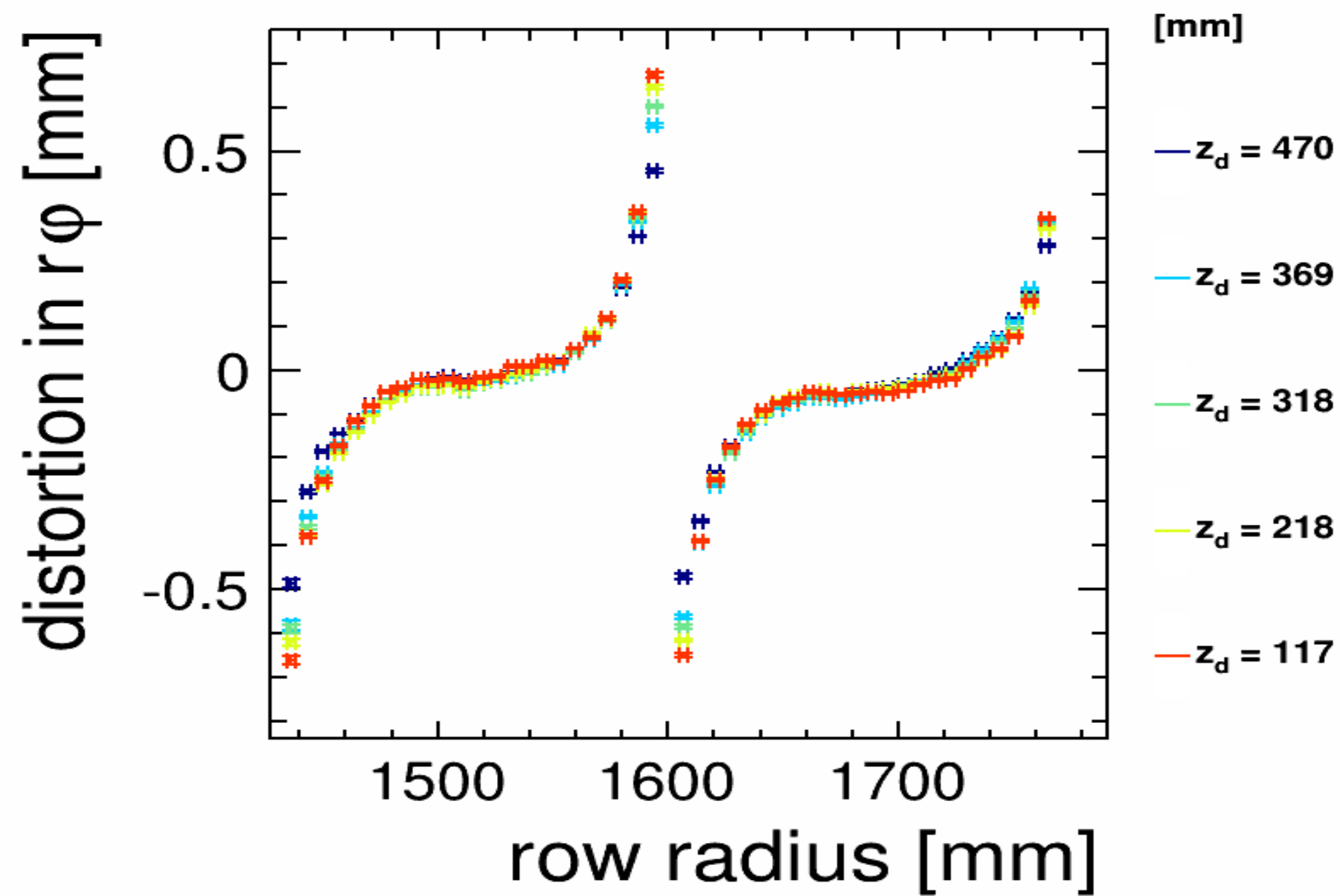
B = 1T

Analysis meeting # 18, CEA, Saclay, 18March 2014

Deb Sankar Bhattacharya
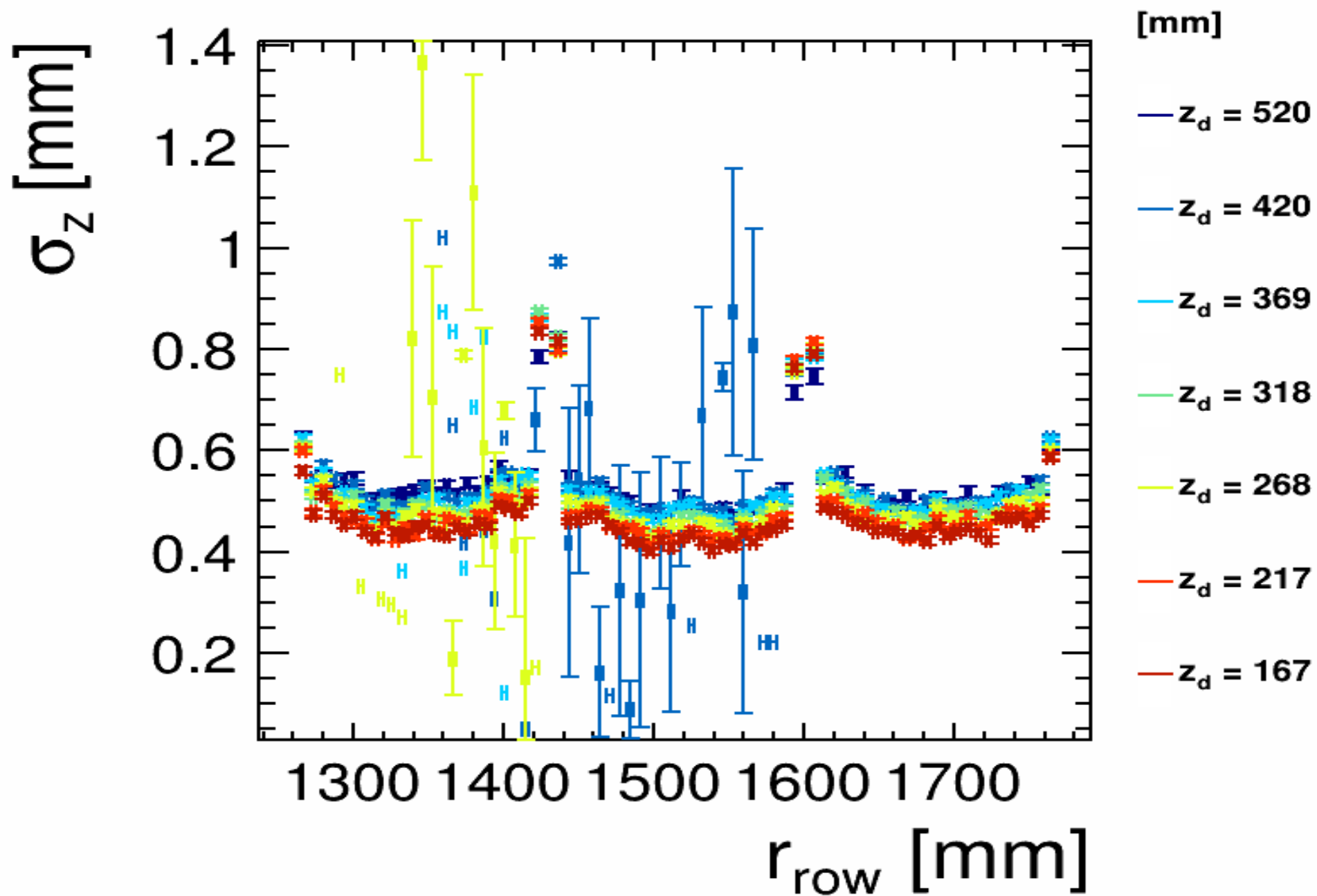
Distortion in Z with B=1T, for 2 modules
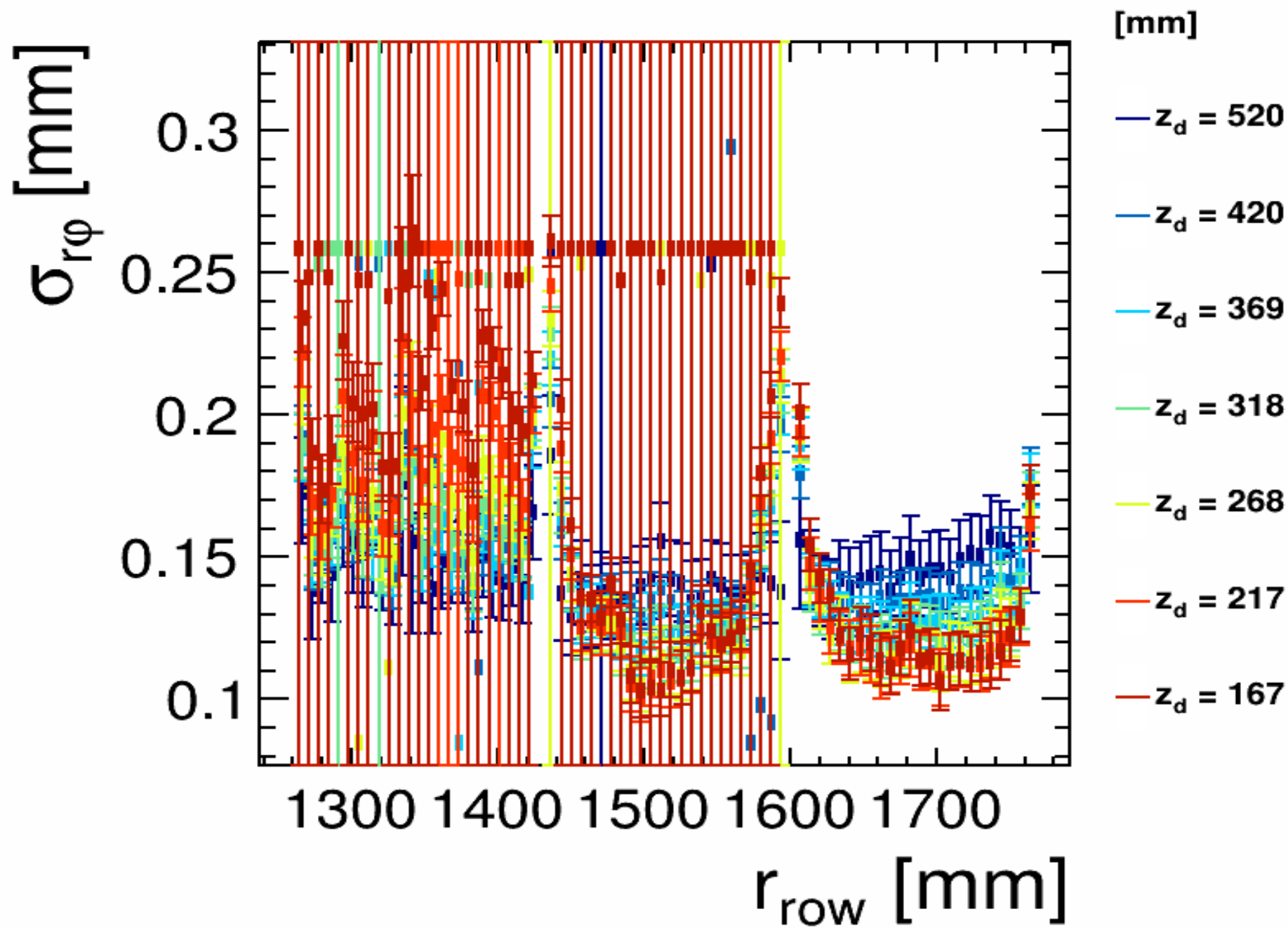
Distortion in r_phi with B=1T, for 2 modules

[mm]

z_d = 470

z_d = 369

z_d = 318

z_d = 218

z_d = 117

distortion in r φ [mm]

row radius [mm]

Resolution in Z with B=1T, for all modules

σ_z [mm]

r_{row} [mm]

[mm]

z_d = 520

z_d = 420

z_d = 369

z_d = 318

z_d = 268

z_d = 217

z_d = 167

Resolution in r_phi with B=1T, for all modules

$\sigma_{r\varphi}$ [mm]

r_{row} [mm]

[mm]

— z_d = 520

— z_d = 420

— z_d = 369

— z_d = 318

— z_d = 268

— z_d = 217

— z_d = 167

Resolution in r_phi (Best Row)
with B=1T taking all modules

**Resolution in r_phi
with B=1T for 2 modules**

σ_0 121.1 $\pm$ 0.6

N_{eff} 53.7 $\pm$ 1.7
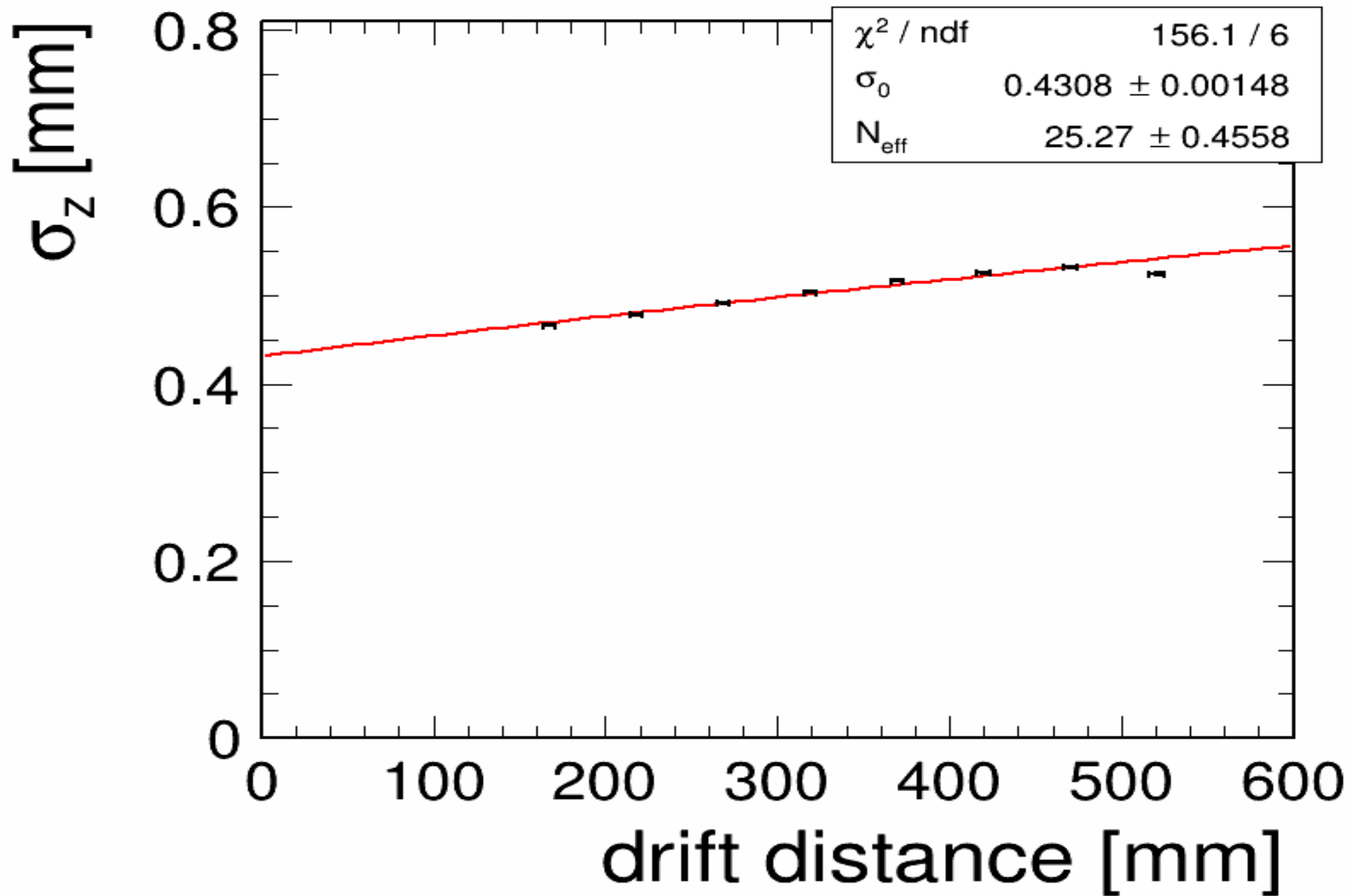
$\sigma_{r\varphi}$ [mm]

Drift Distance (cm)
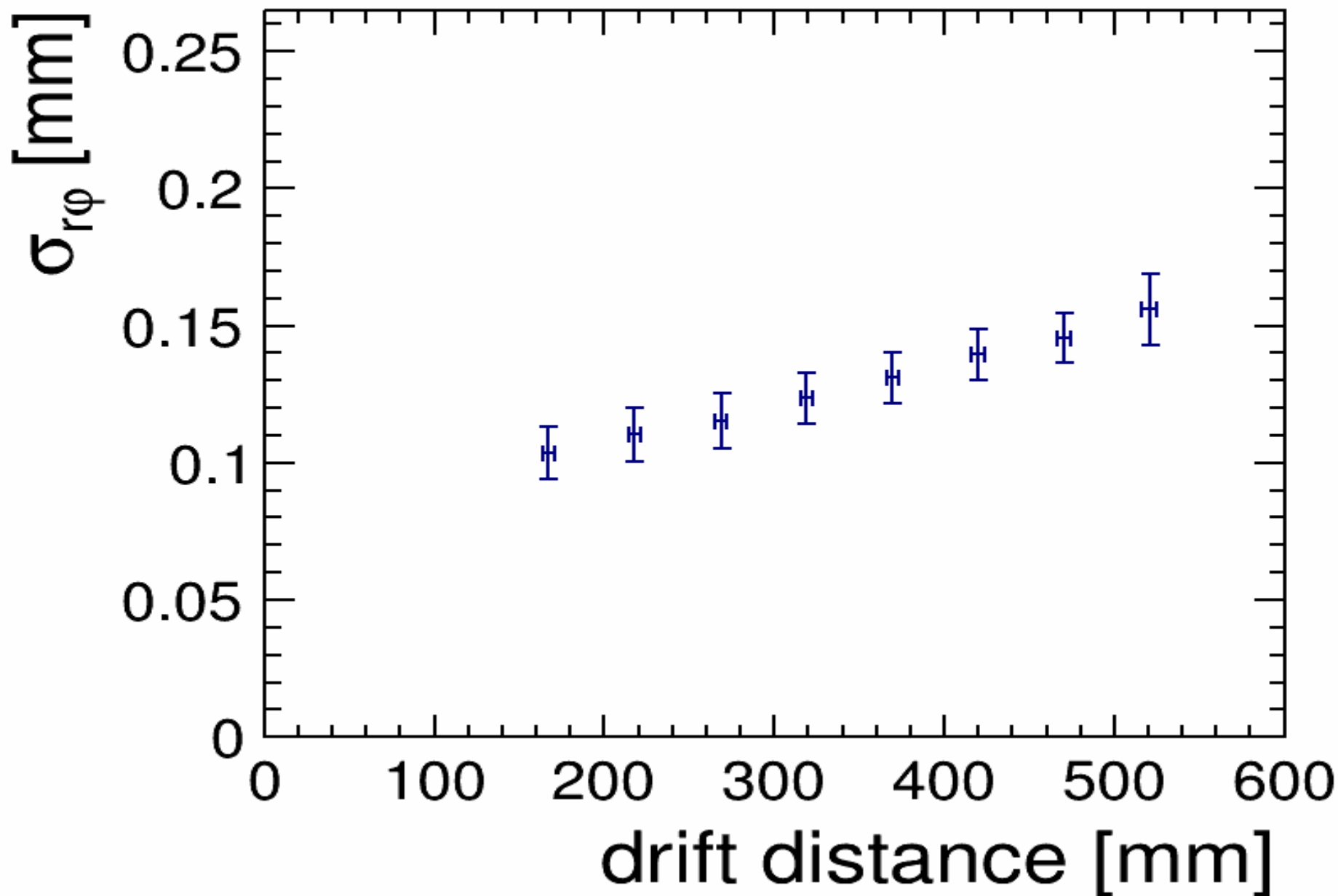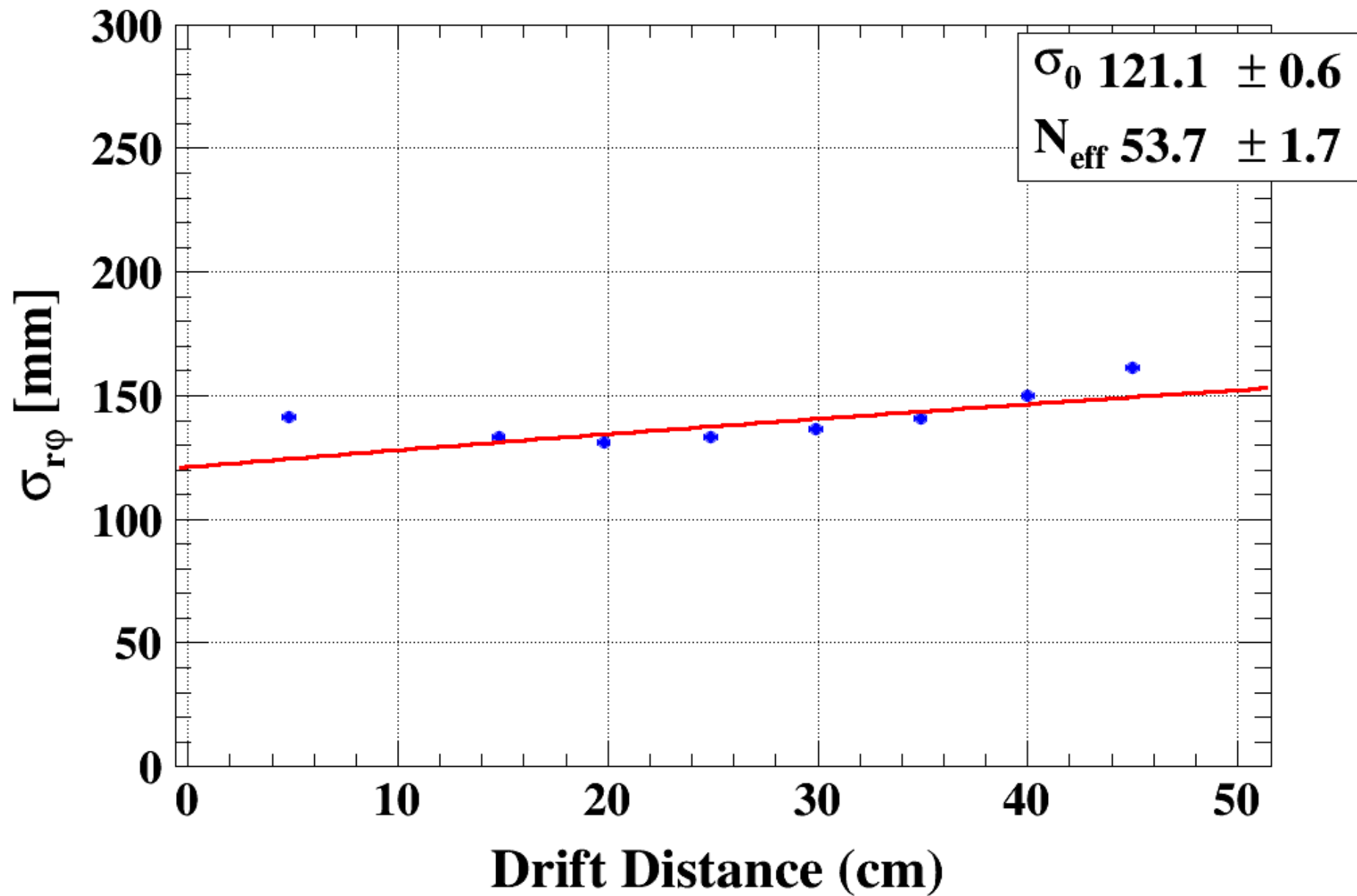
Resolution in Z (Best Row)
with B=1T taking all modules
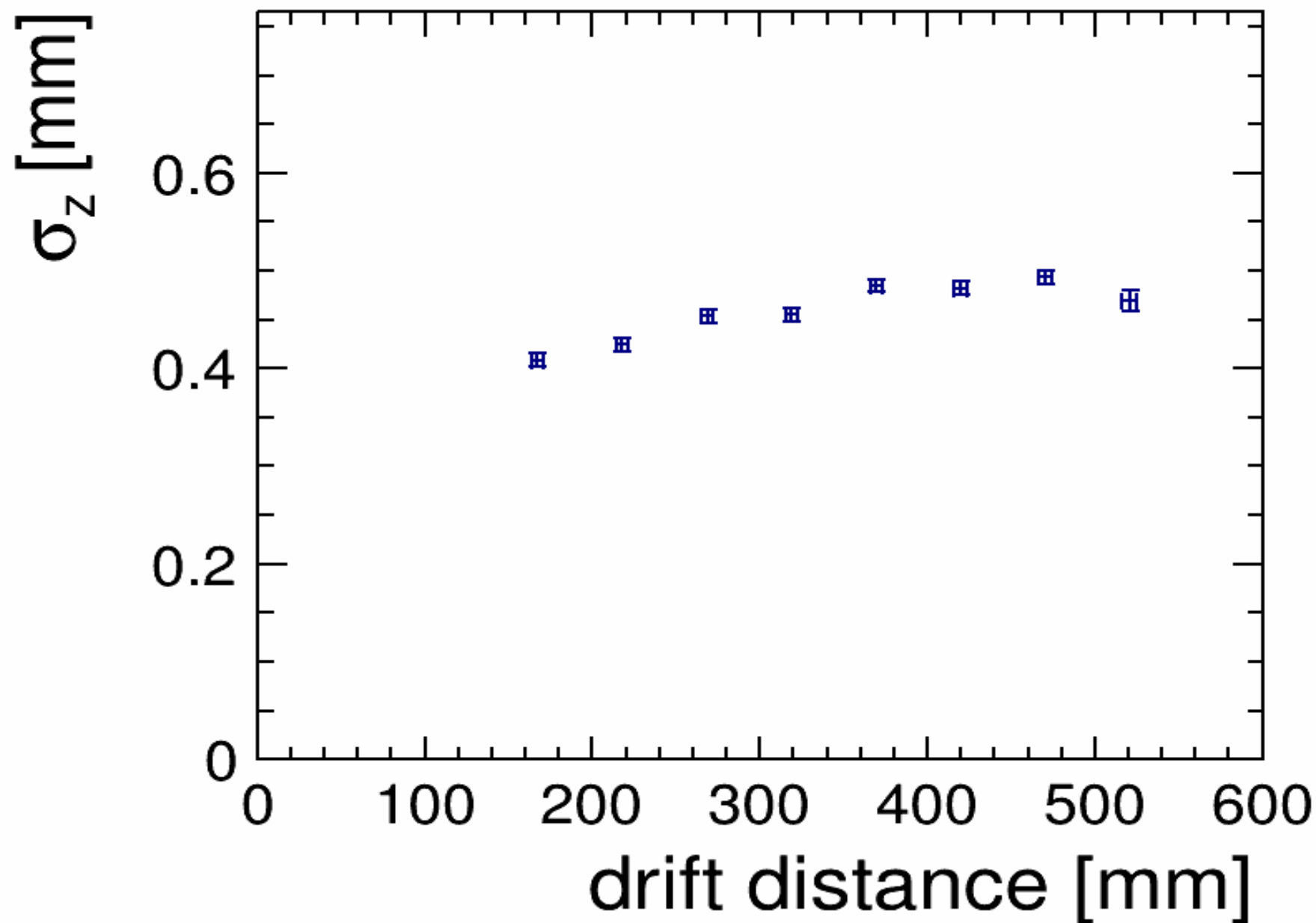
Resolution in Z
with B=1T taking all modules

all rows

χ^2 / ndf   156.1 / 6

σ_0 0.4308 $\pm$ 0.00148

N_{eff} 25.27 $\pm$ 0.4558

σ_z [mm]

drift distance [mm]

Thank You