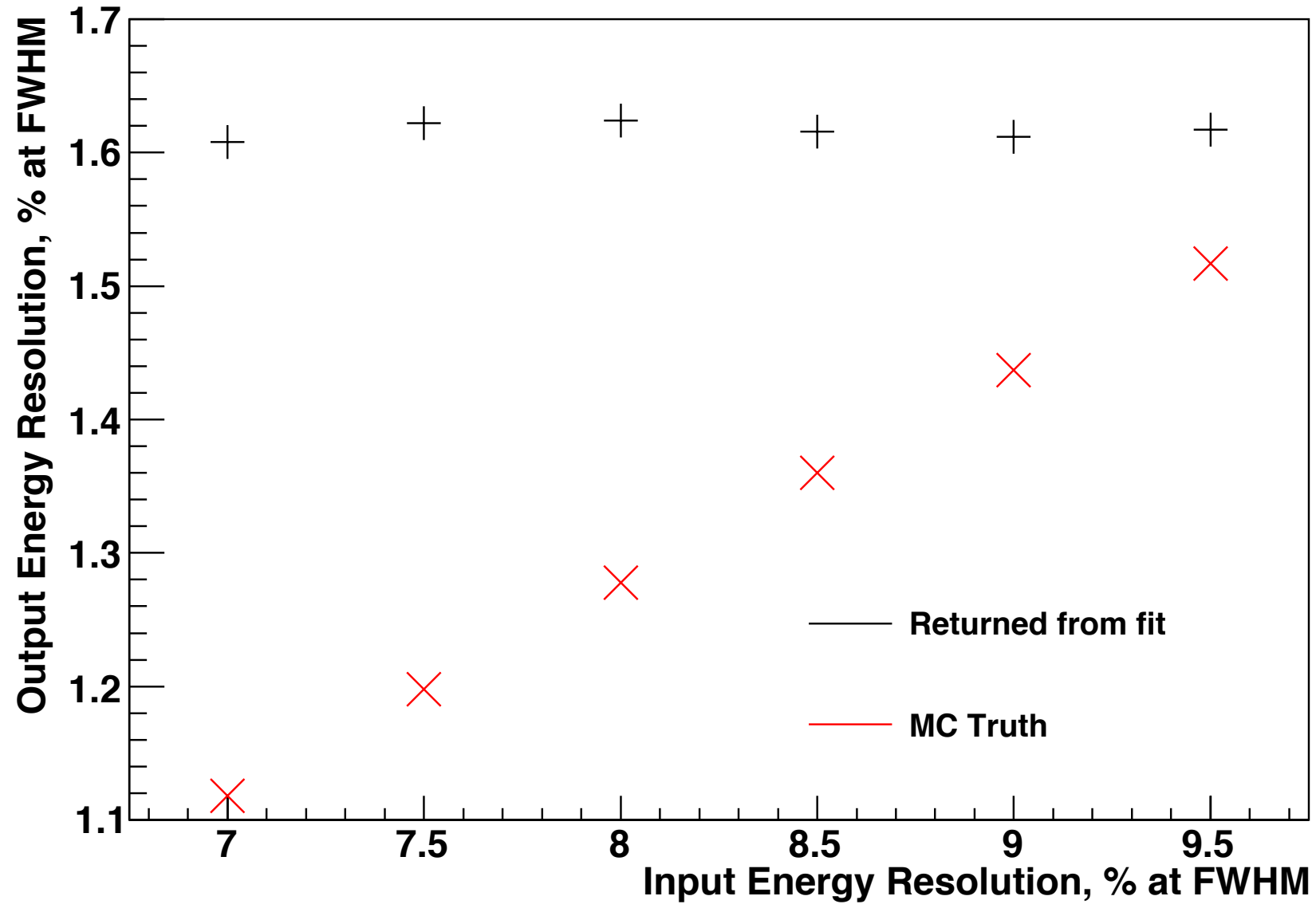


Proton Therapy Group Meeting – 6th December 2017

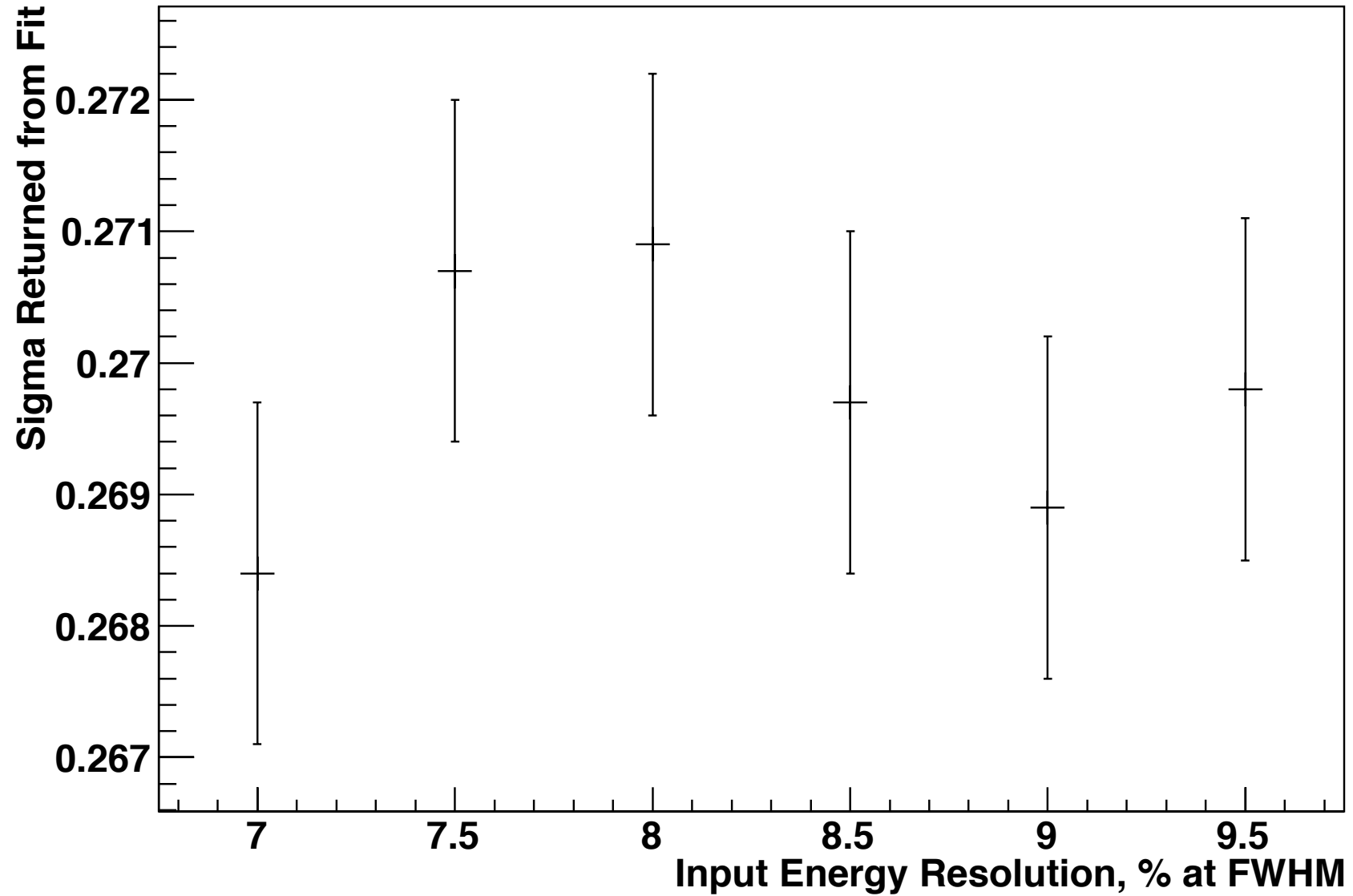
Anastasia Basharina-Freshville

- Investigating difference between MC truth and energy resolution returned by fit
- Energy resolution input changed in 0.5 % steps from 7.0 % to 9.5 % (at FWHM)
- Input file into simulations:
 output_z1767_1mm_radius_0mm_offset_1e9 primaries.txt
 (with end cap on collimator)

Energy Resolution as a Function of Input Energy Resolution



Sigma as a Function of Input Energy Resolution



Energy Deposited in Scintillator

