G2p Beam Energy

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Overview

• Wanted to show average beam energies per run for each kinematic setting.

• Some slight variations in beam energy could cause second order effects?
  
  • BPM calibration?

• Effect on yields should be small:
  
  • 1 MeV shift gives about 0.2% change in Mott XS
  
  • 5 MeV shift gives about 0.7% change in Mott XS
• Calc. from Tiefenback measurement
• Read out through EPICS.
• Error bar is standard deviation per run
• Dotted line is average per setting
• Blue band is standard deviation of average per setting