Proton rates and capture optimisation

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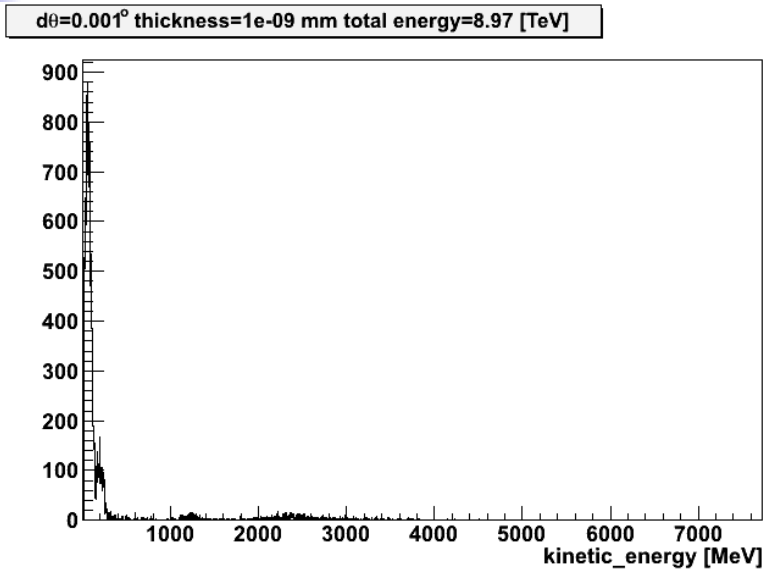
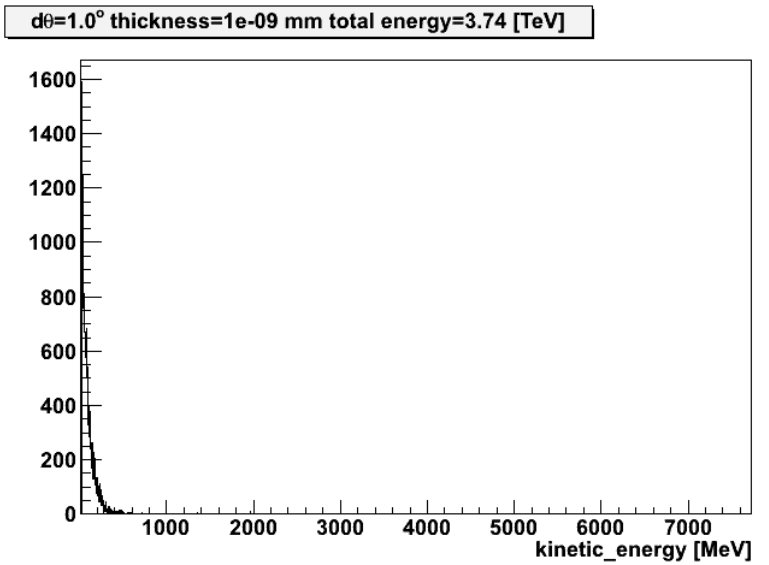
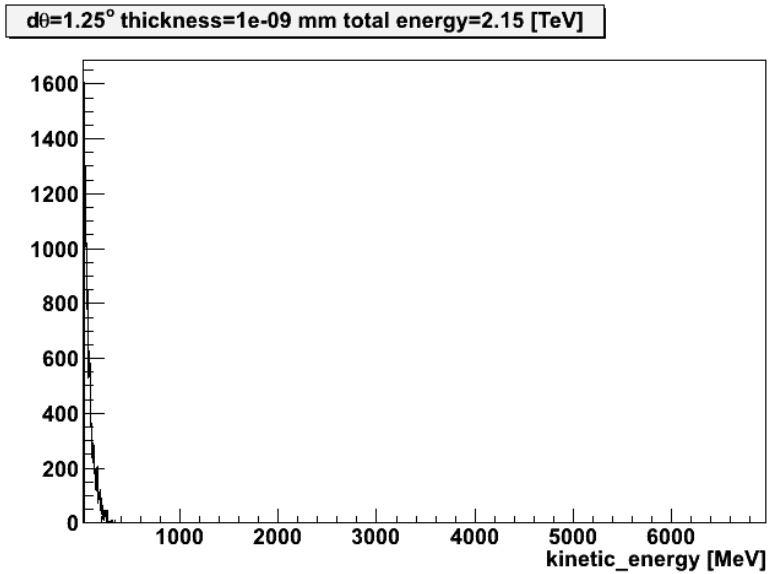
Overview

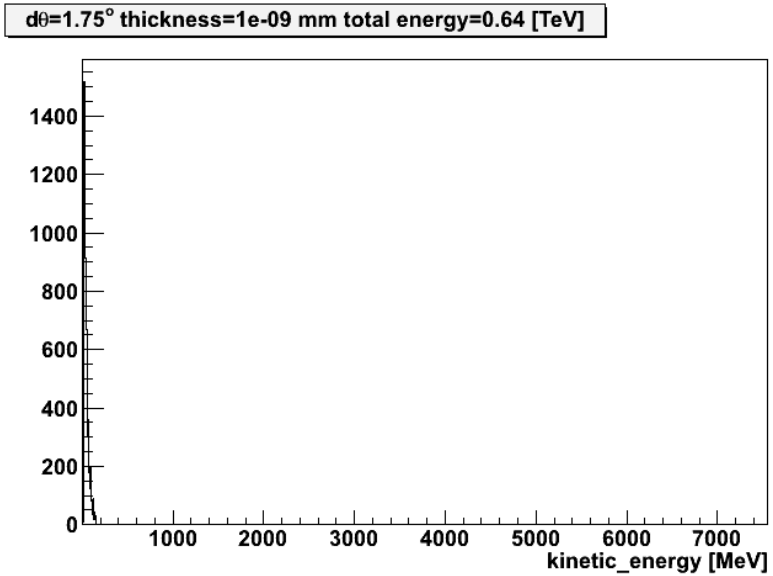
- Proton rates
  - Vs angle
  - Vs absorber thickness
- RF capture optimisation in G4Beamline
  - 100 mm absorber
  - 200 mm absorber

Proton Rates – no absorber

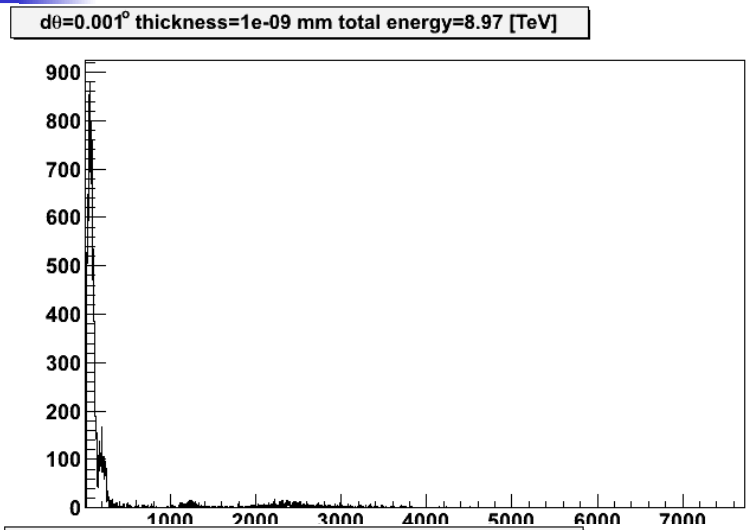


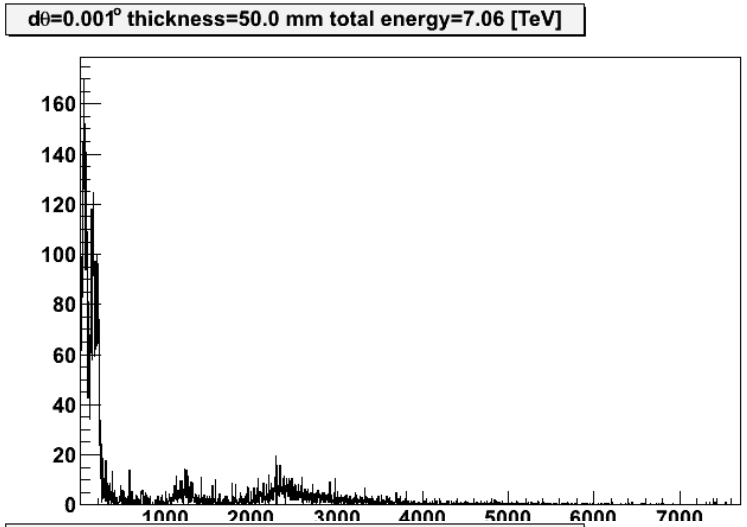


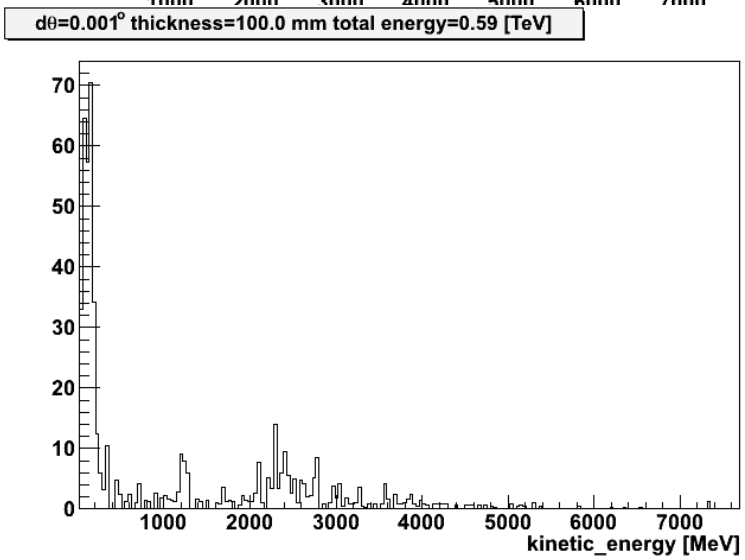


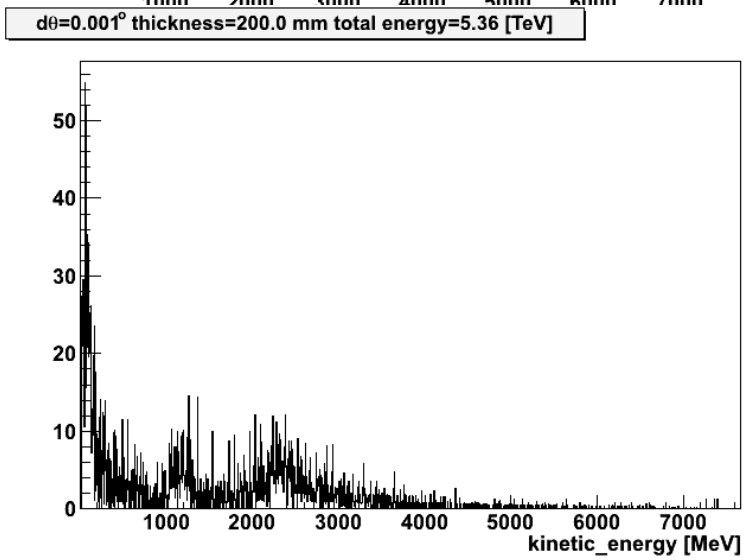


Proton Rates – no chicane

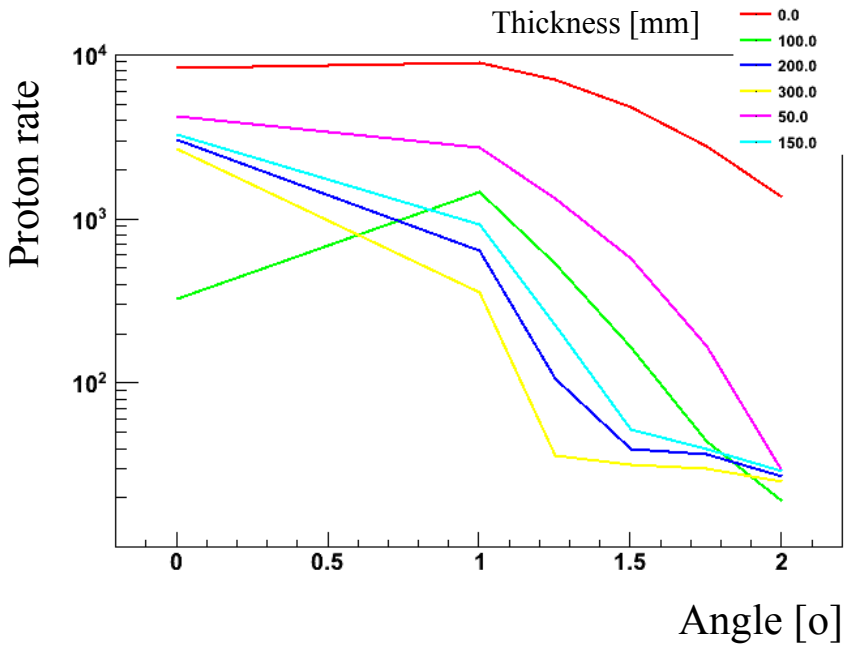


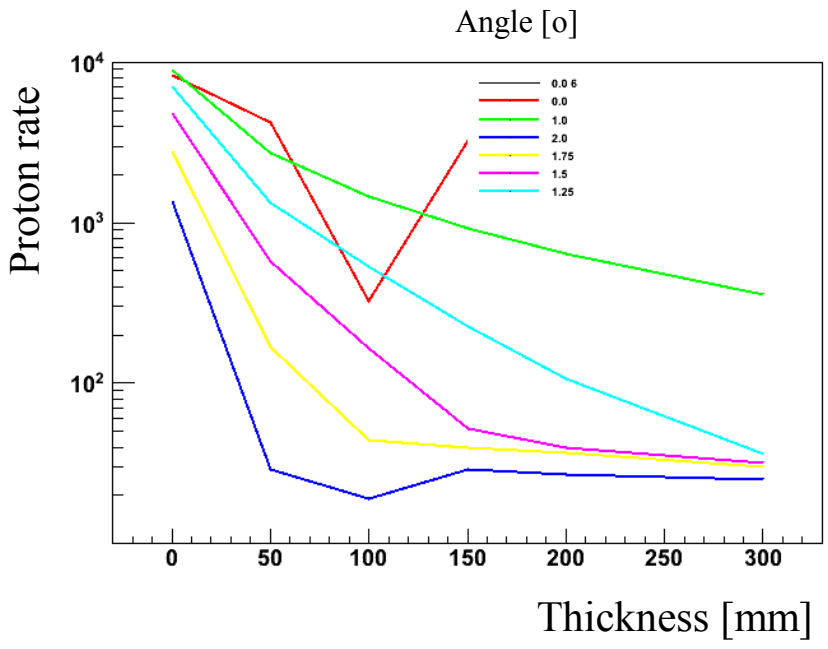




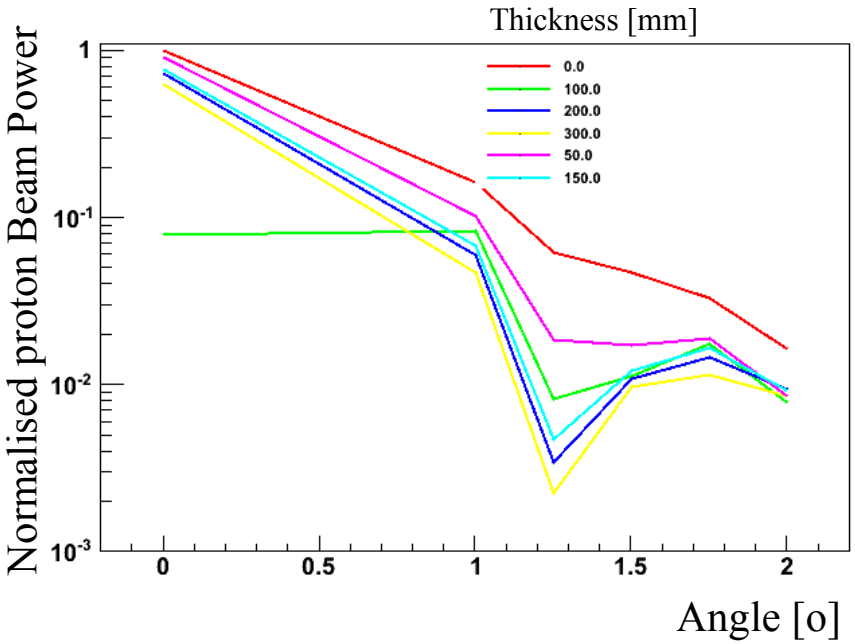


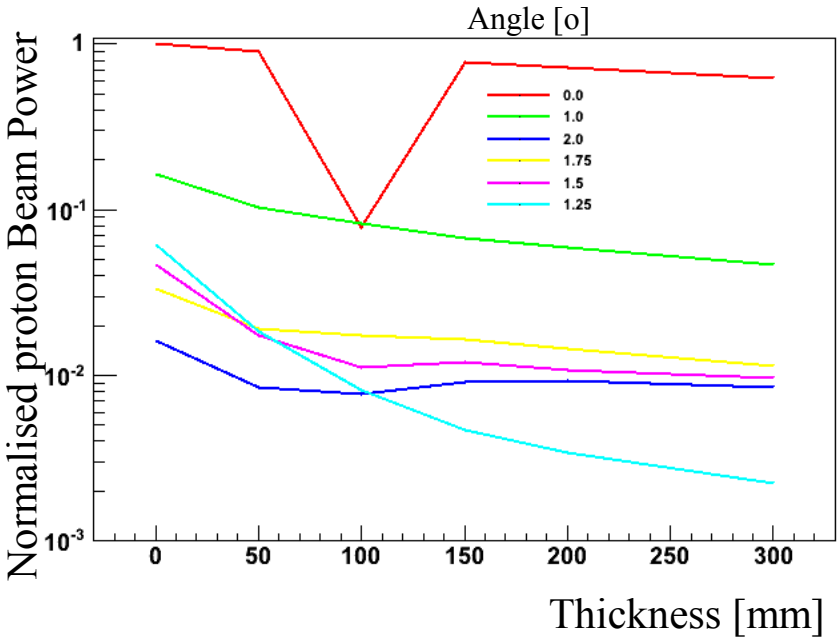
Proton Rates – “2D” plots



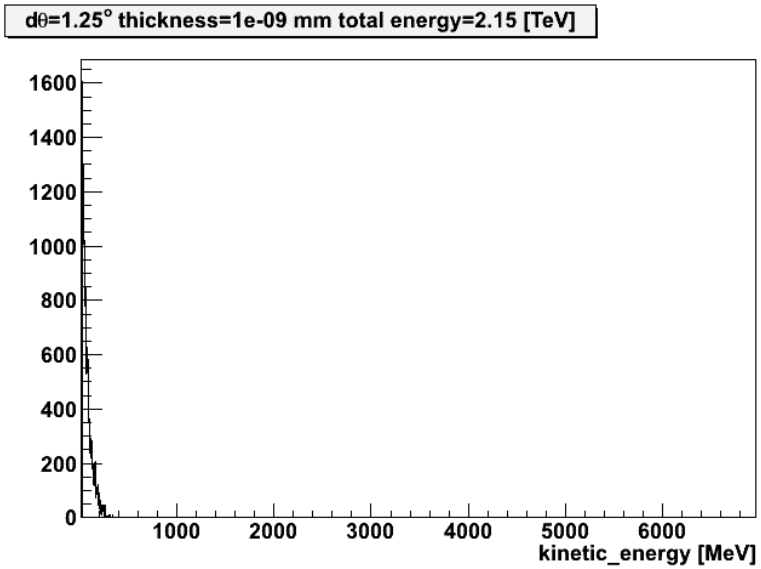


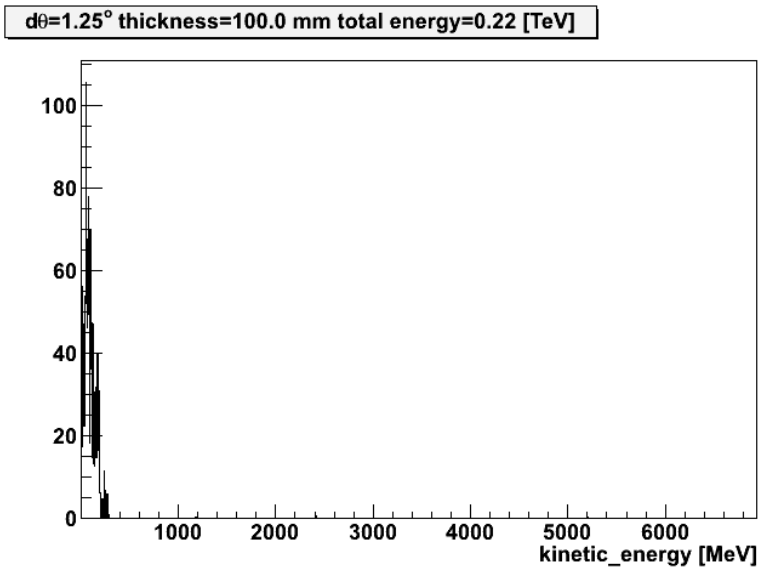
Proton Rates – “2D” plots

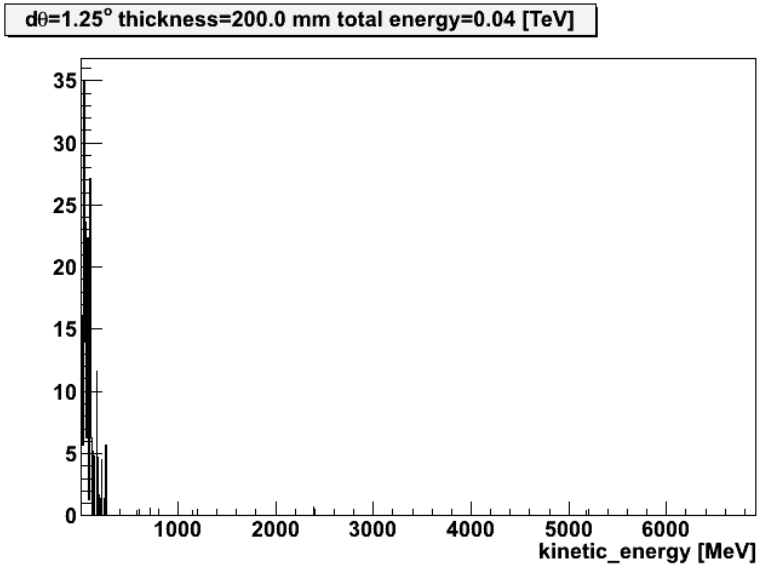


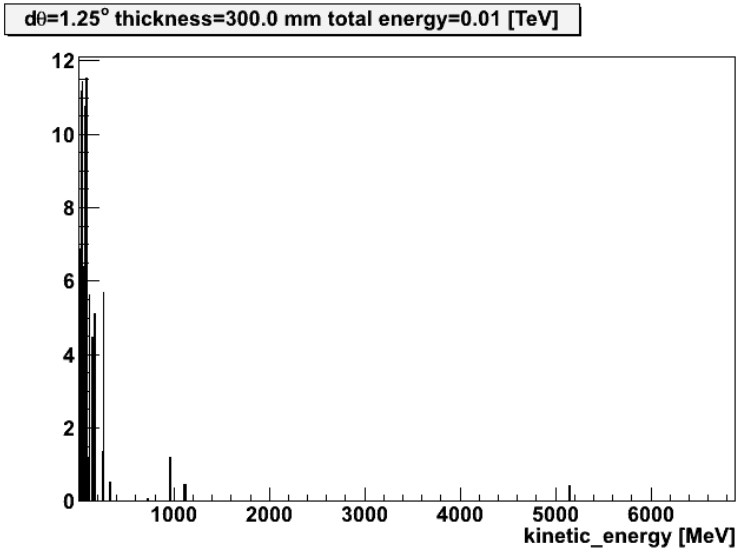


Proton Rates – 1.25° chicane









RF Capture optimisation