

# Electron Multiple Scattering in Geant4

comparison of simulations to measurements

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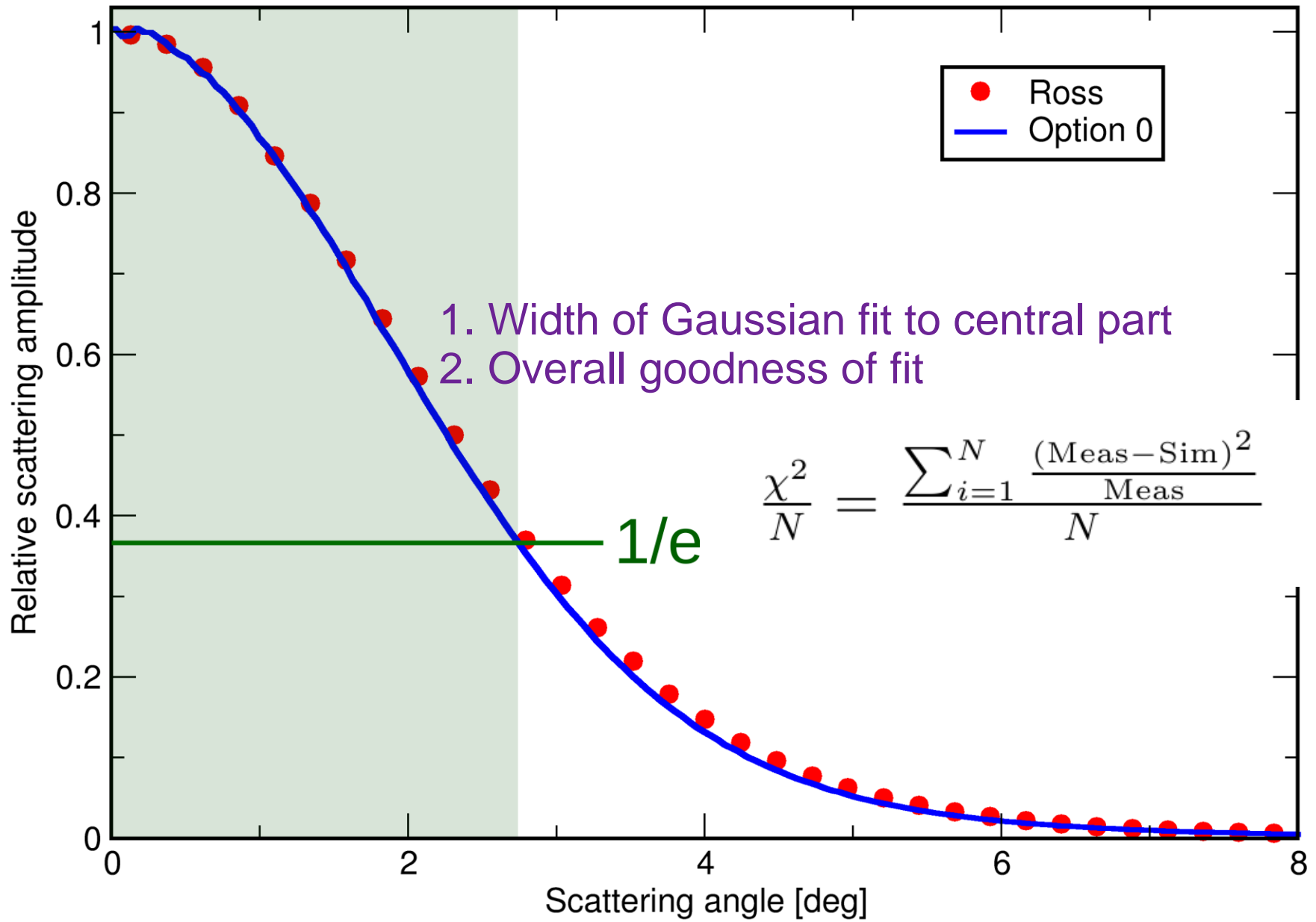
June 26, 2013

## Determine:

1. The ratio of the widths of Gaussians fit to the central part of the simulated and measured data
2. Chi squared/N for each simulated/measured pair, where

$$\frac{\chi^2}{N} = \frac{\sum_{i=1}^N \frac{(\text{Meas} - \text{Sim})^2}{\text{Meas}}}{N}$$

Use Geant4 version 9.10.beta cand1



# Experiment: Ross et al., Med. Phys. **35**, 4121 (2008)

7 materials, various thickness, 13 and 20 MeV

