

# Validation results for 9.0 and 9.1 releases

Laszlo Urban

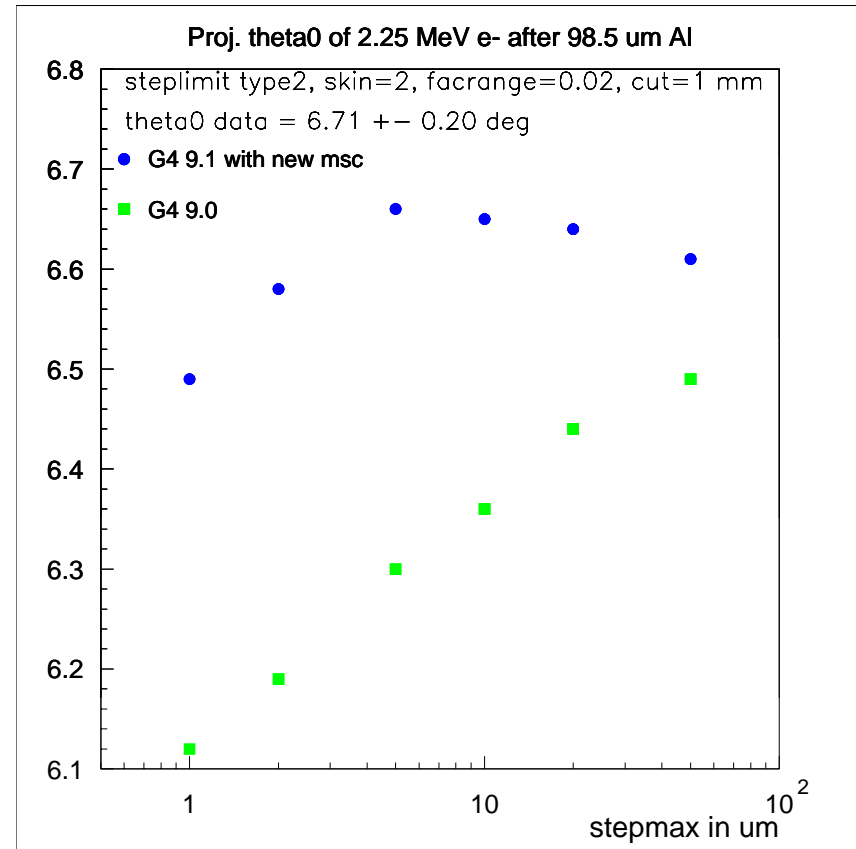
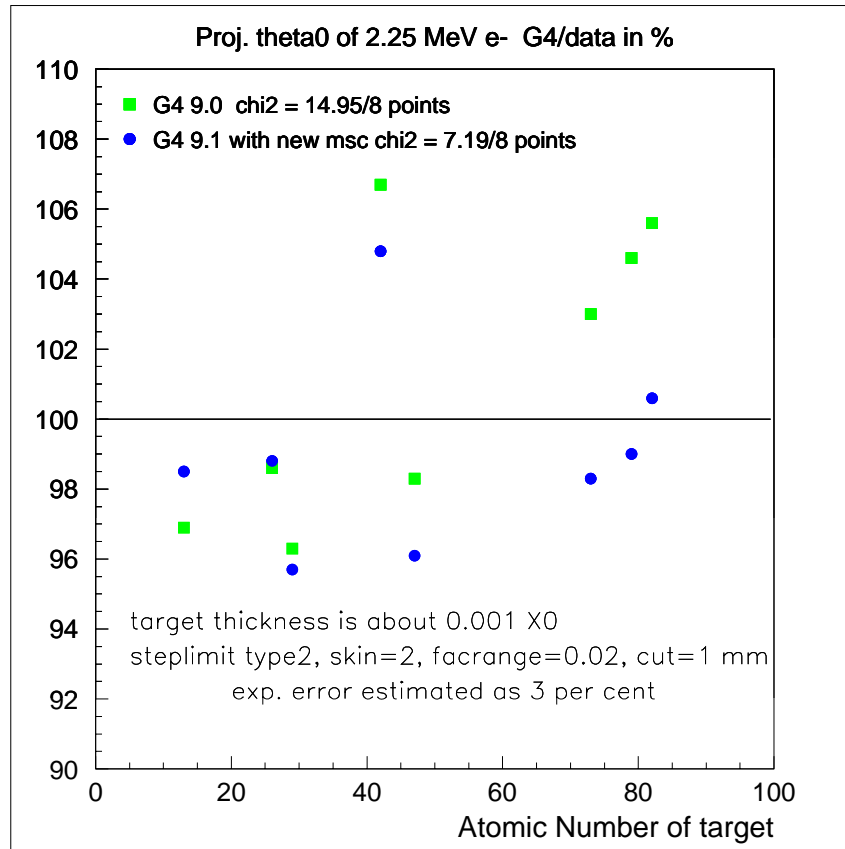
# Outline

- Analysis/correction/tuning of the MSC model
- several not dramatic changes in the model
- some test results (only for e+/e- for the moment)

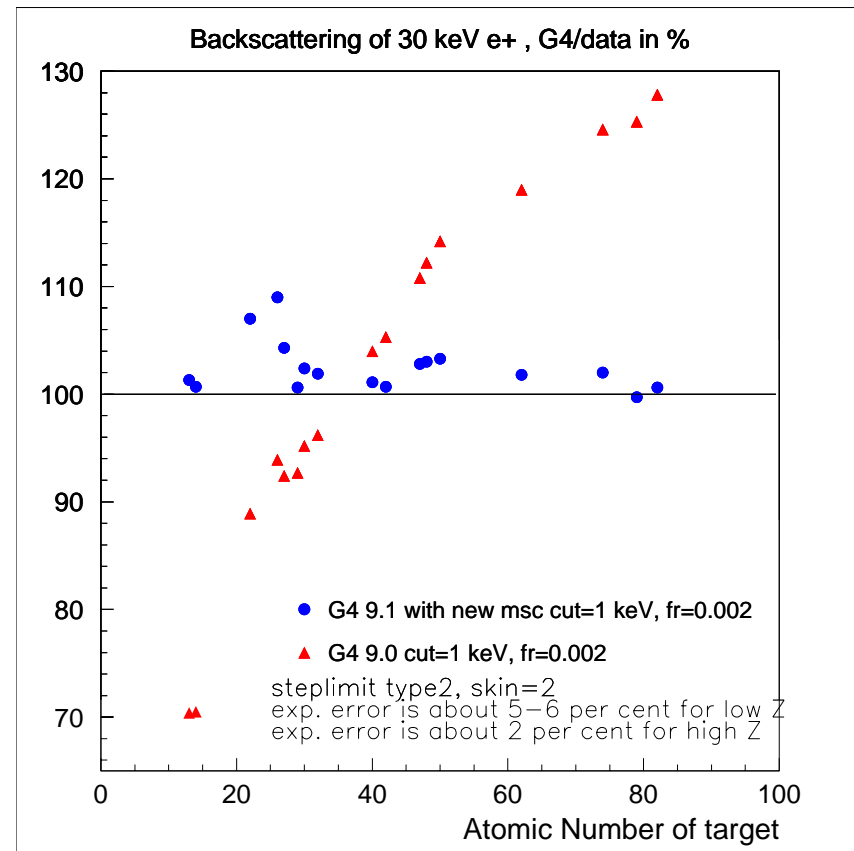
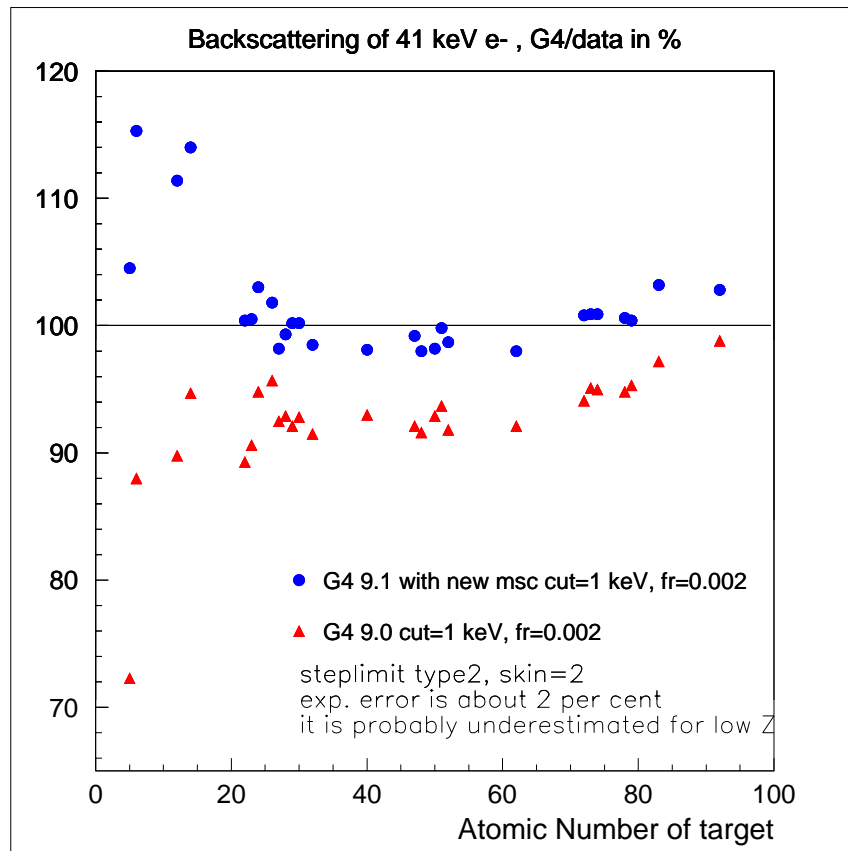
# Changes in Short

- change in the optimization in `ComputeTruePathLengthLimit`
  - `facafety = 0.25` ---> `0.10`
- different handling of the case of big `theta0` in `SampleCosineTheta`
  - Before: simple model function with the correct  $\langle \cos(\theta) \rangle$
  - Now: simple model function with correct  $\langle \cos(\theta) \rangle$  and  $\langle \cos^2(\theta) \rangle$
- tuning of `theta0` using 2.25 MeV e- scattering data
- tuning of the tail of the angular distribution using some e+/e- backscattering data

# 2.25 MeV electron results



# Backscattering



# Transmission

