On the stopping of muons in AuFe 3 at. % films grown on Si

I have made a number of TrimSP calculation of the stopping density distribution of muons in AuFe 3 at.% metallic films sputtered on Si..
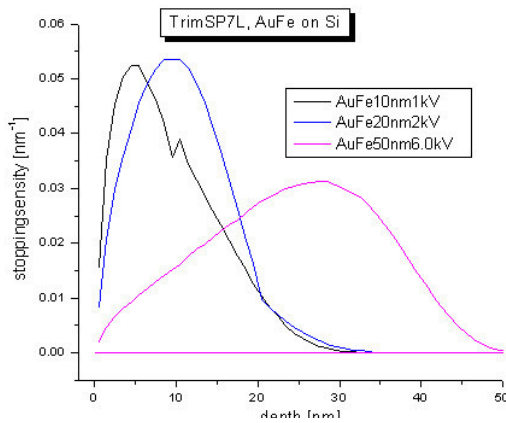
Ingredients:
- TrimSP7L
- 1'000'000 muons
- incoming energy Gaussian distributed with 0.5 keV width
- incoming angle Gaussian distributed around 90^0 with a width of 15^0.

Calculations as function of incoming mean energy for
- 10 nm film (1 keV only)
- 20 nm film (2 keV only)
- 50 nm film (whole range)
- 500 nm film (whole range)

Results in the following figures:

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