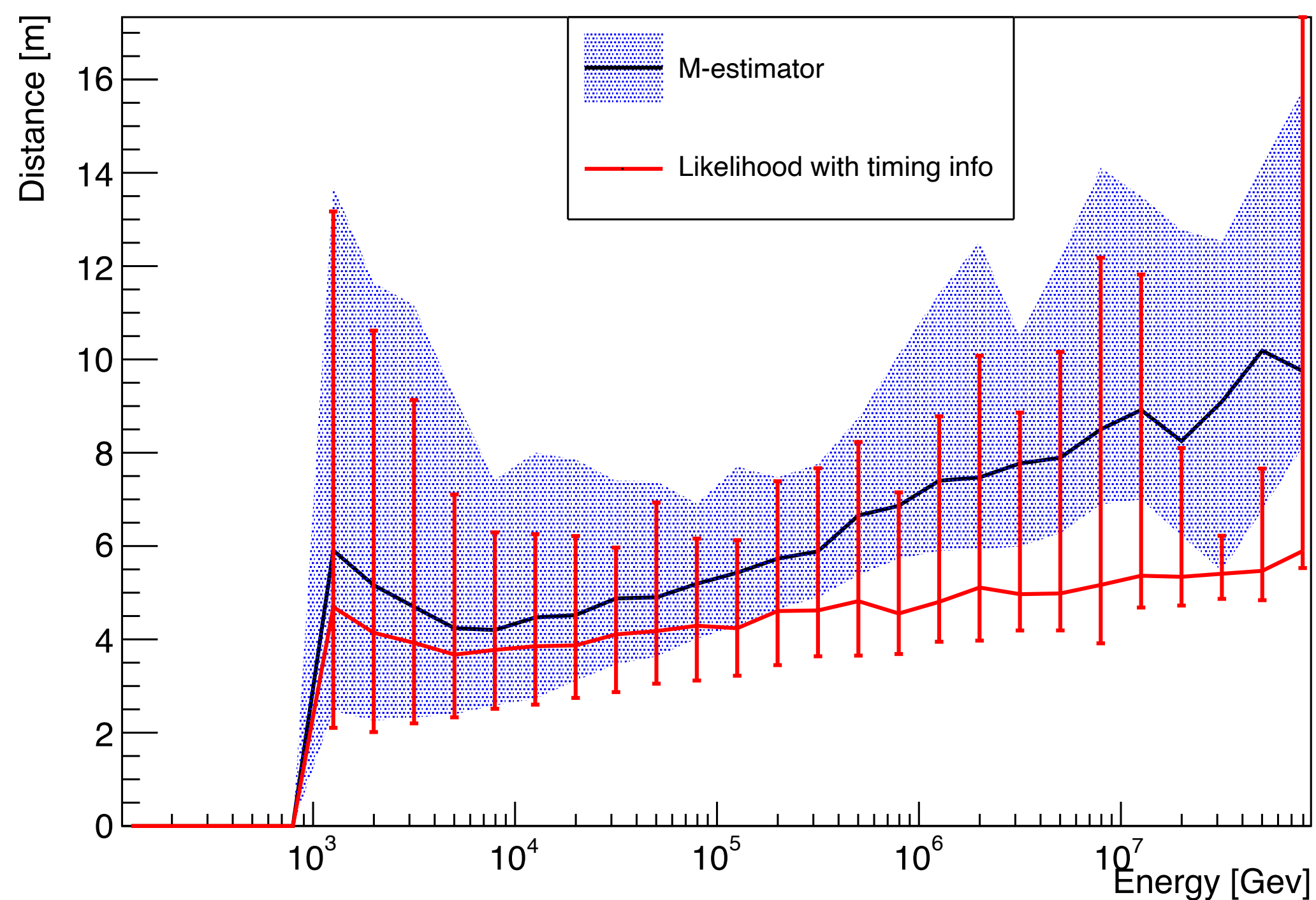# Vertex fit

Thijs van Eeden - 15th of July 2020 - Groupmeeting
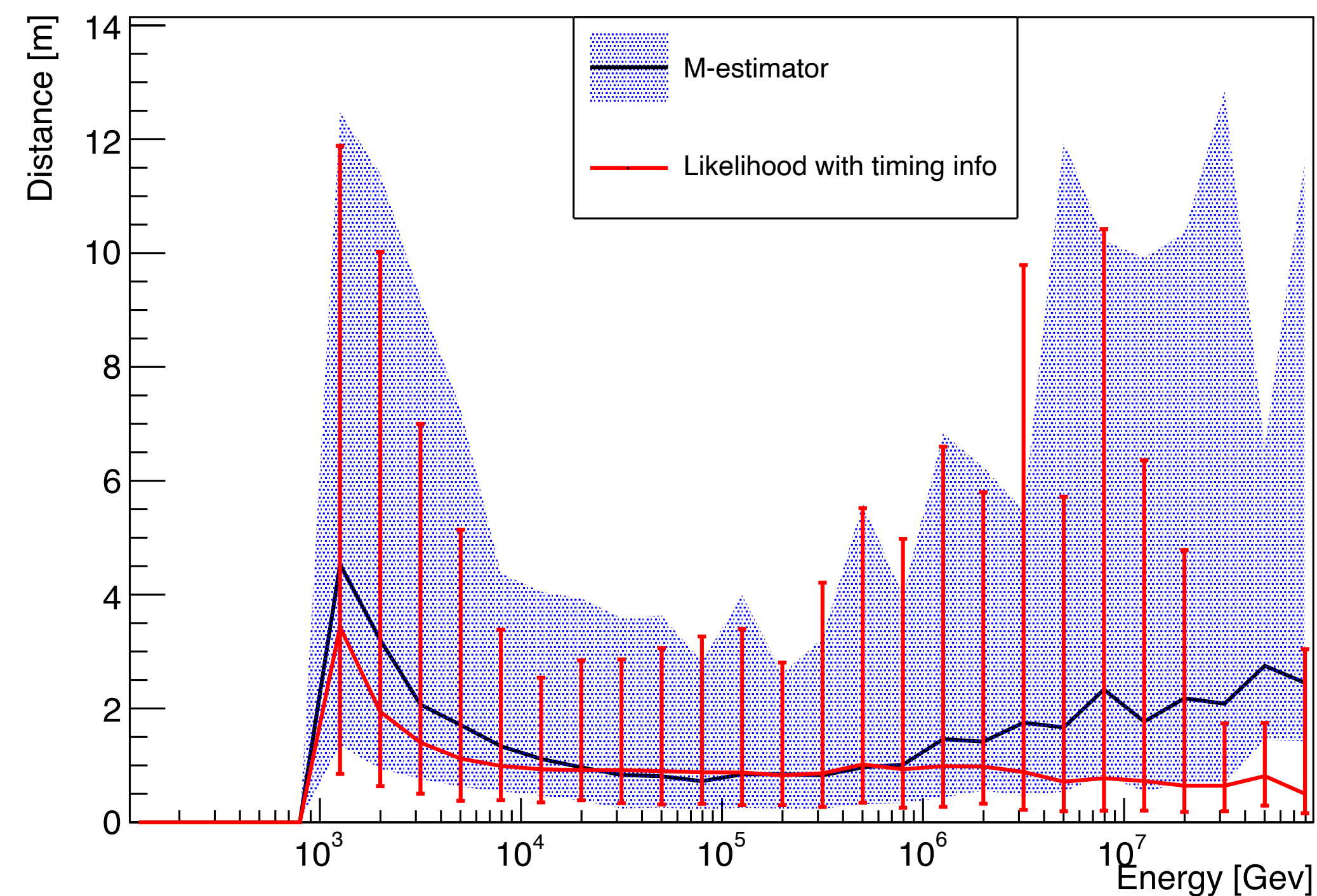
Recap: single vertex fit (nueCC)

M-estimator vs likelihood with timing information

Distance along shower axis
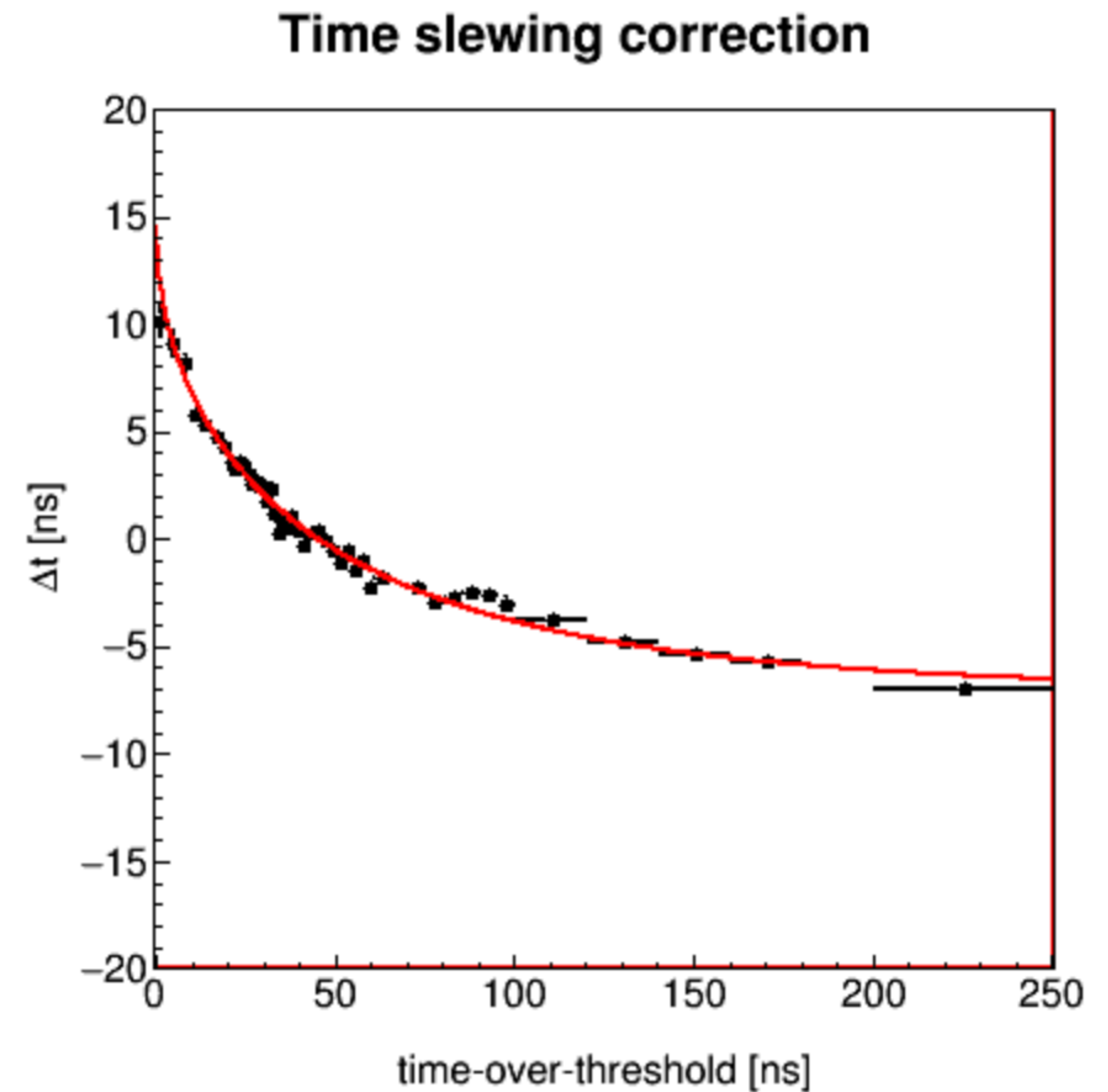
Distance perpendicular to shower axis

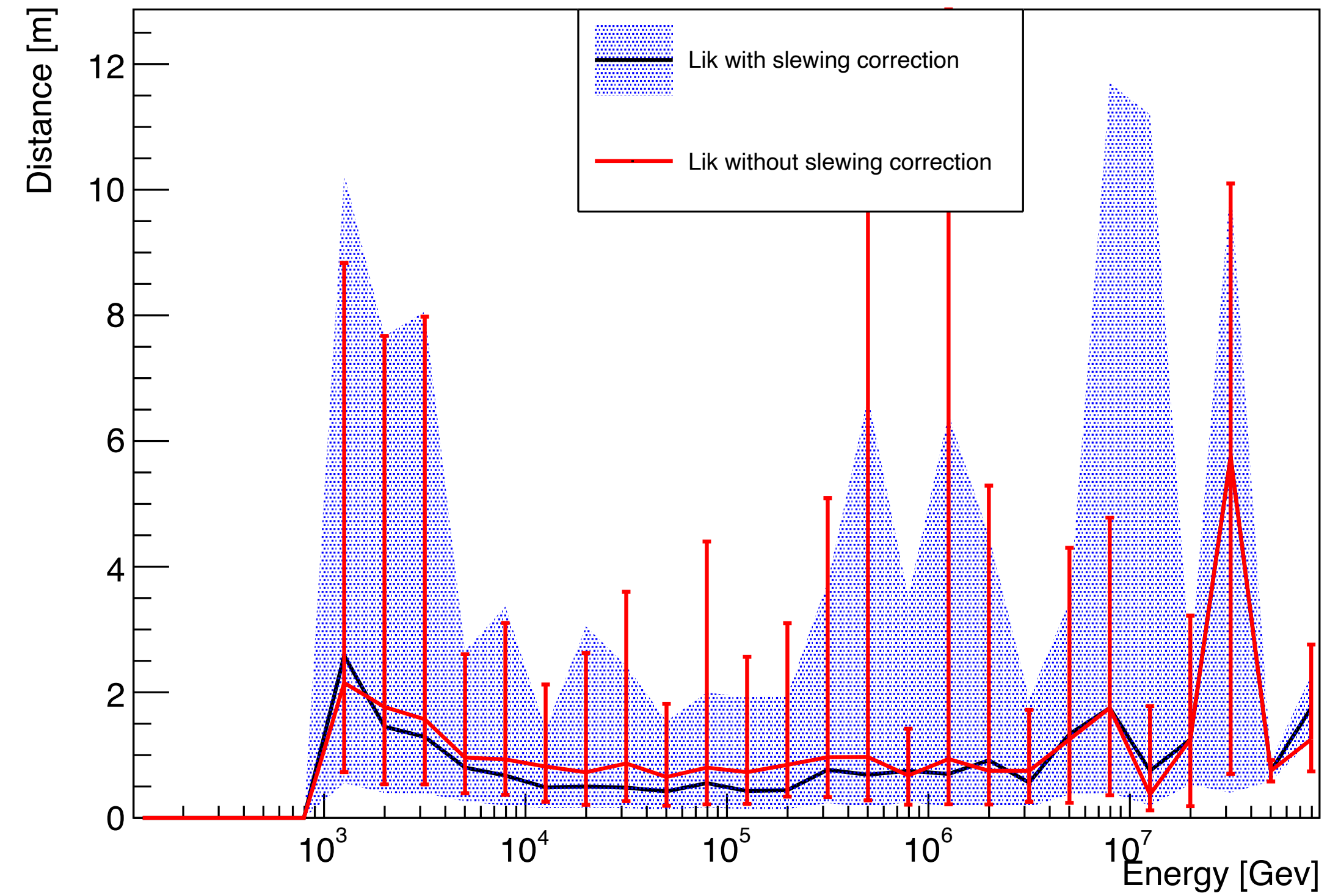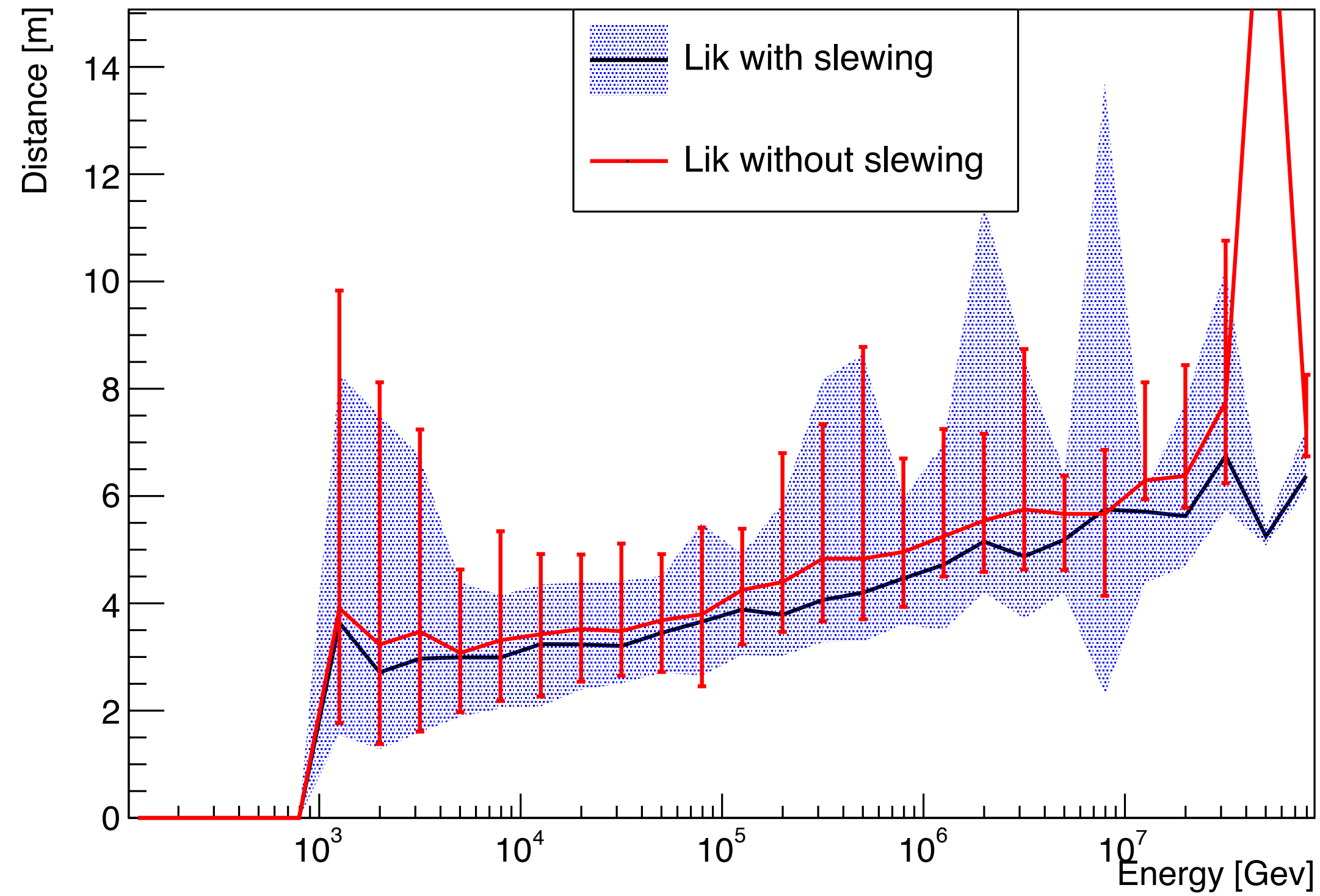Why do we stick at 1-2 m perpendicular to the shower axis?

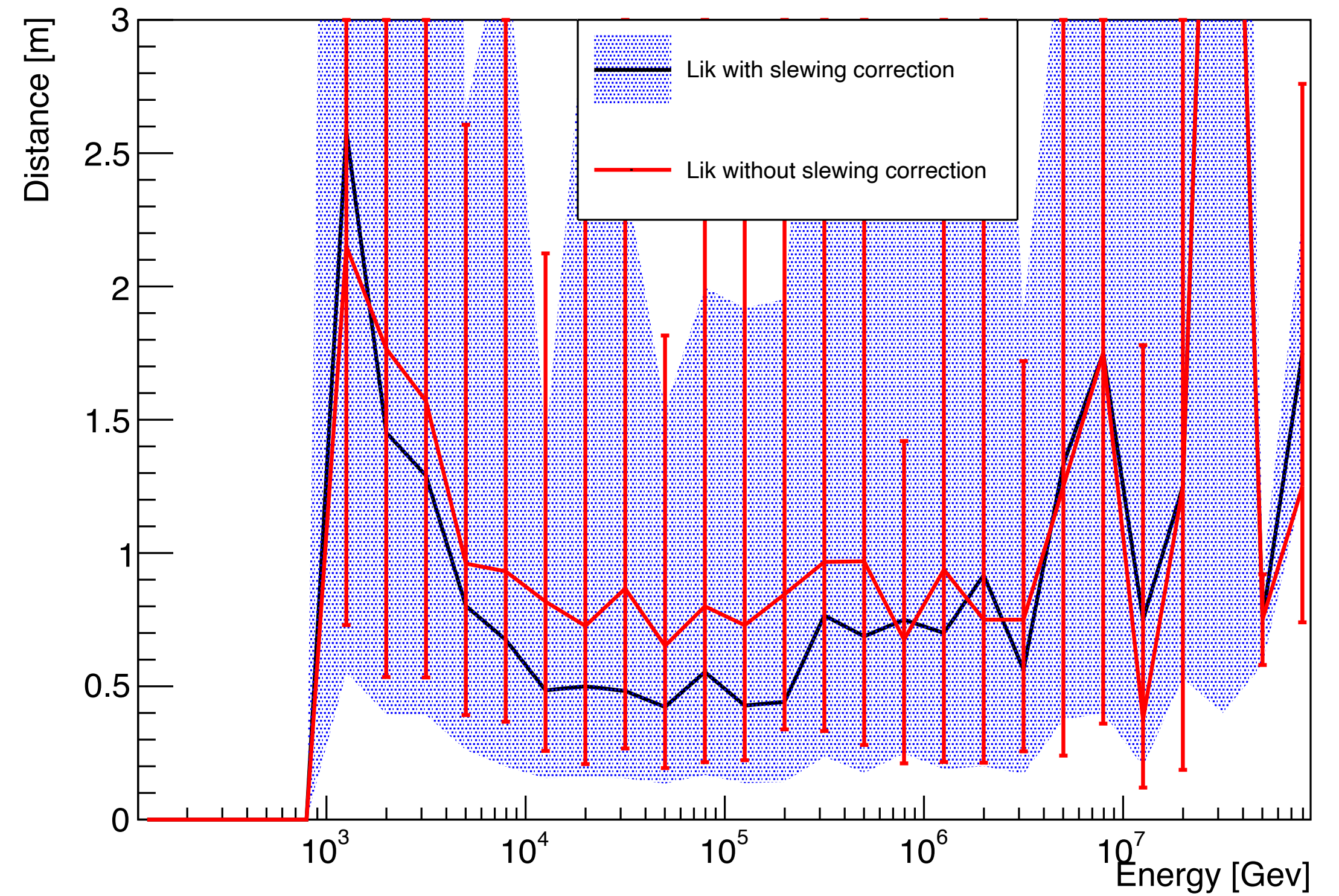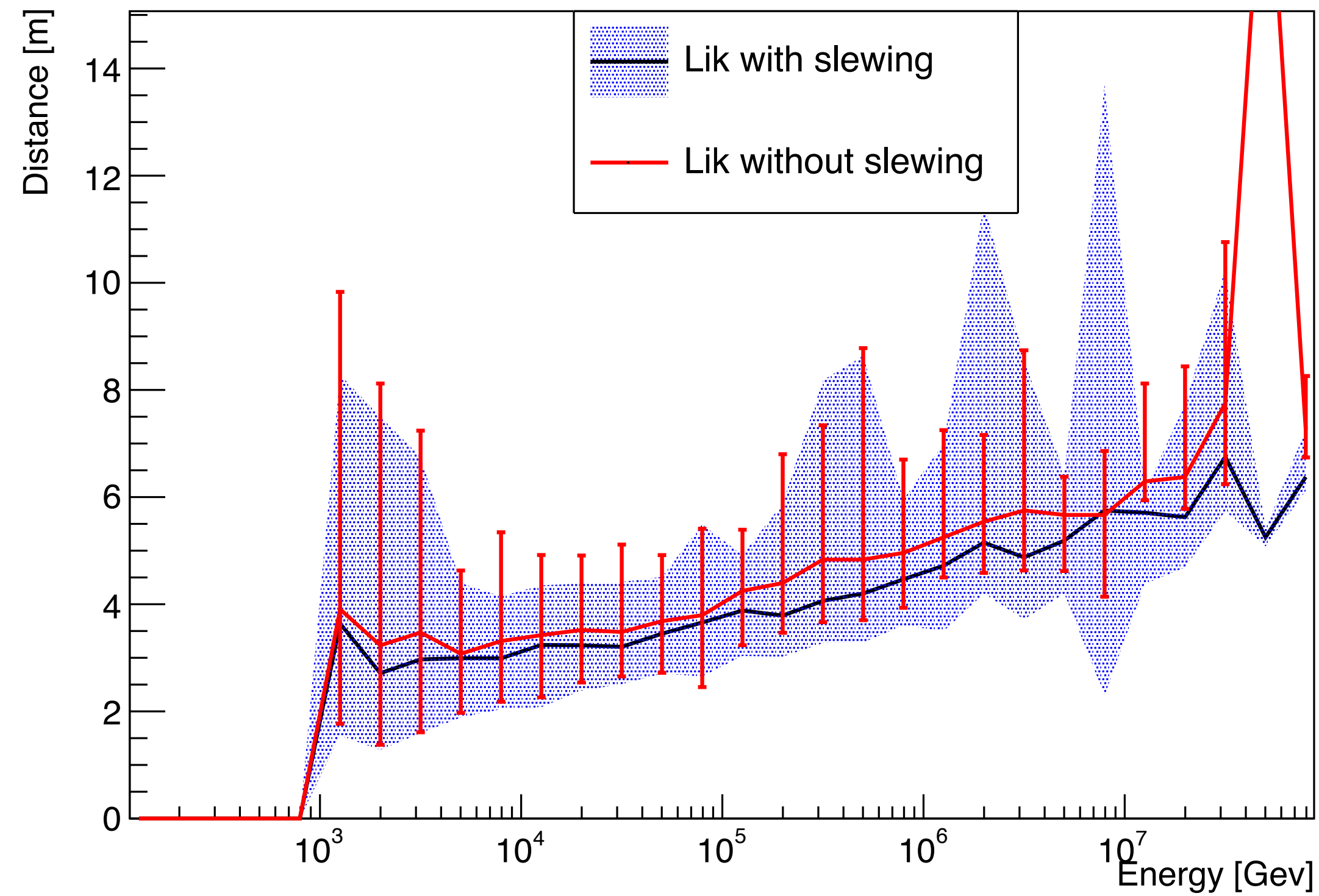Nanosecond precision —> ~cm precision!

Time slewing correction

- Maarten's suggestion

- Elog

- Arrival time should be corrected depending on the ToT
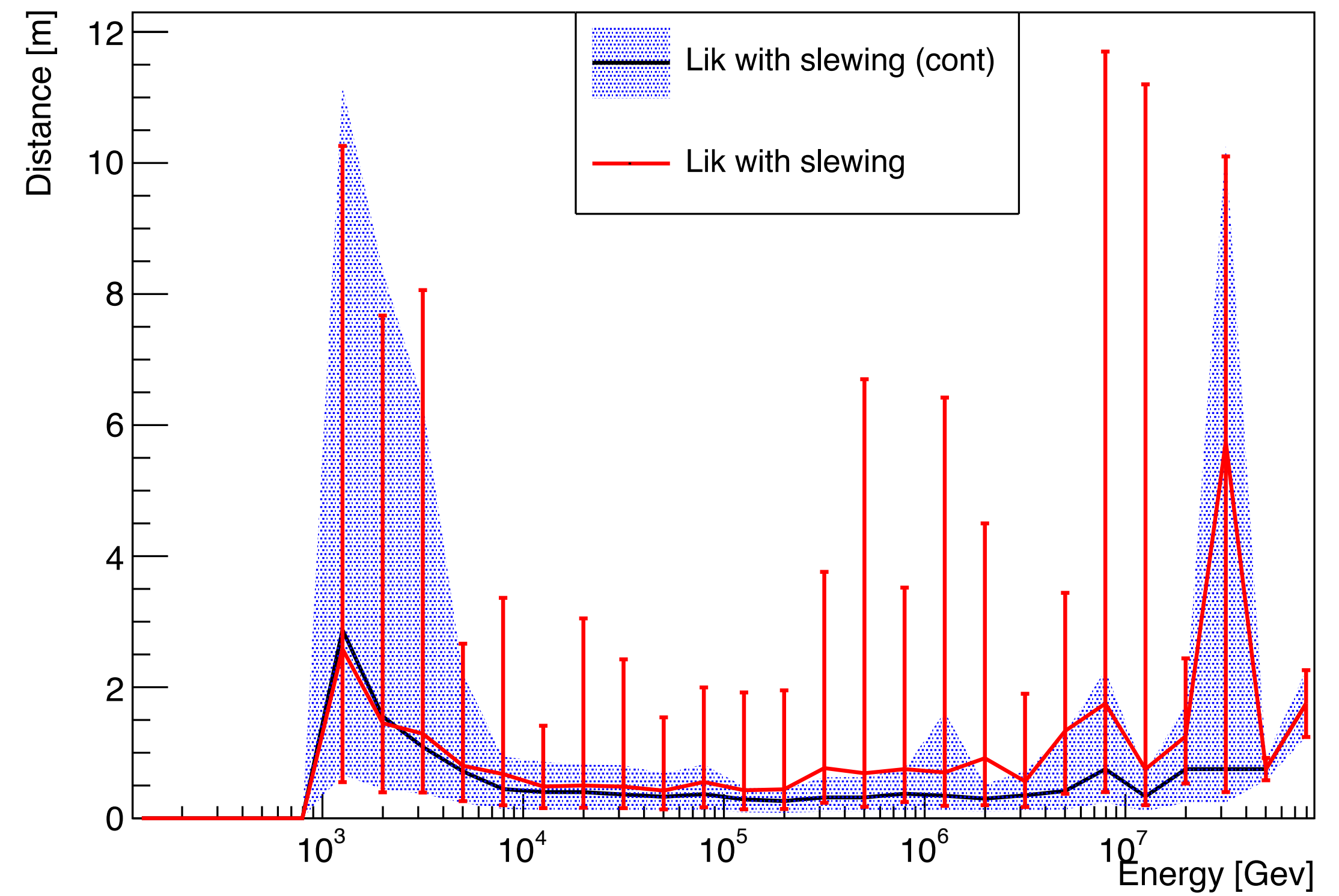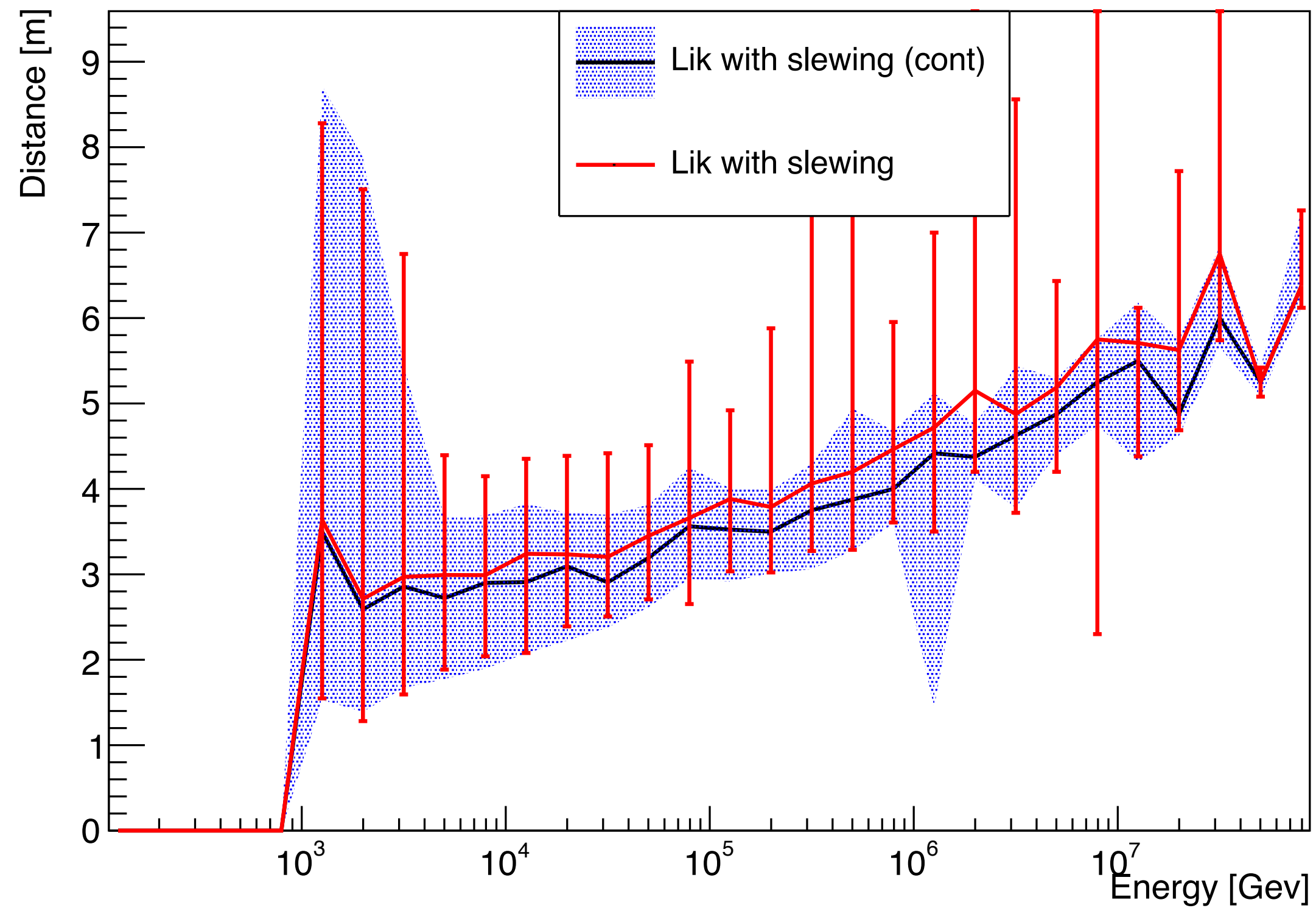

Time slewing correction

Time slewing correction

Time slewing correction

Time slewing correction + containment

Time slewing correction + containment