

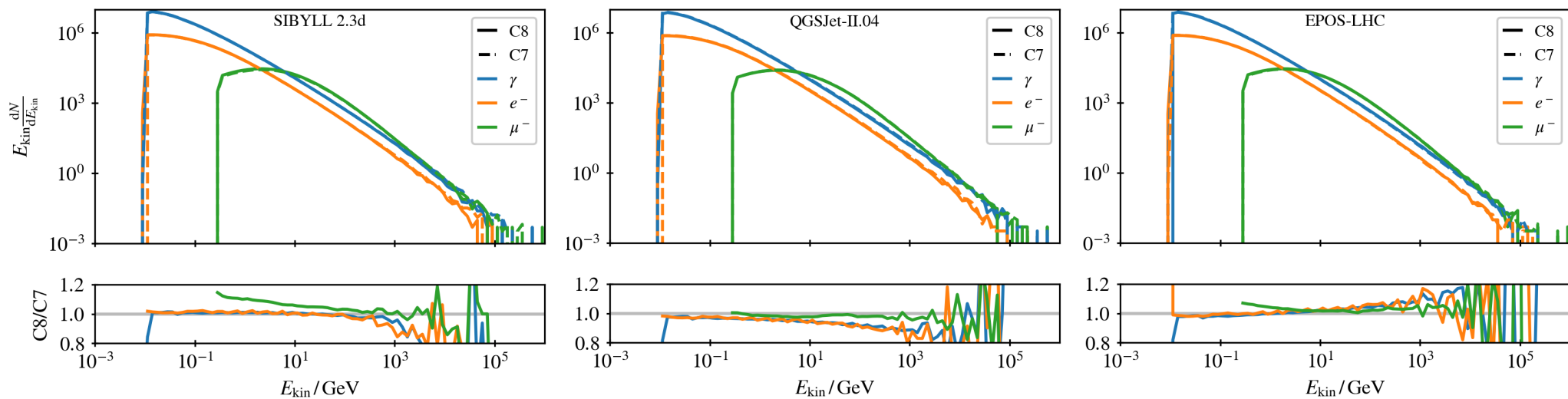
Status hadrons/muons

Maximilian Reininghaus
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Dataset

- $p \ 10^{17} \text{ eV } 0^\circ$
- $\varepsilon = 10^{-6}$, $W_{\max} = 100 \text{ (C7)} / 50 \text{ (C8)}$
- EM cut 10 MeV
- hadron/mu cut 300 MeV
- $N = 200$

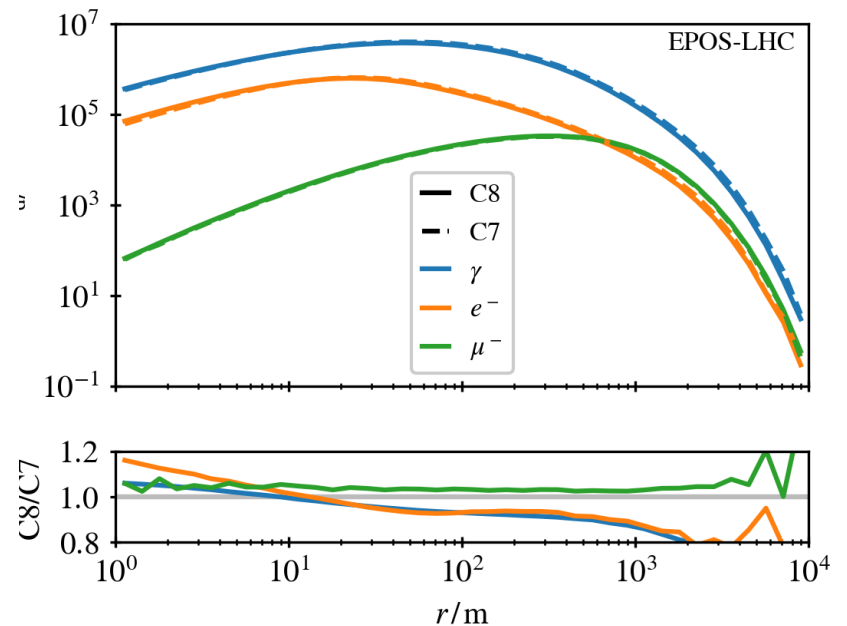
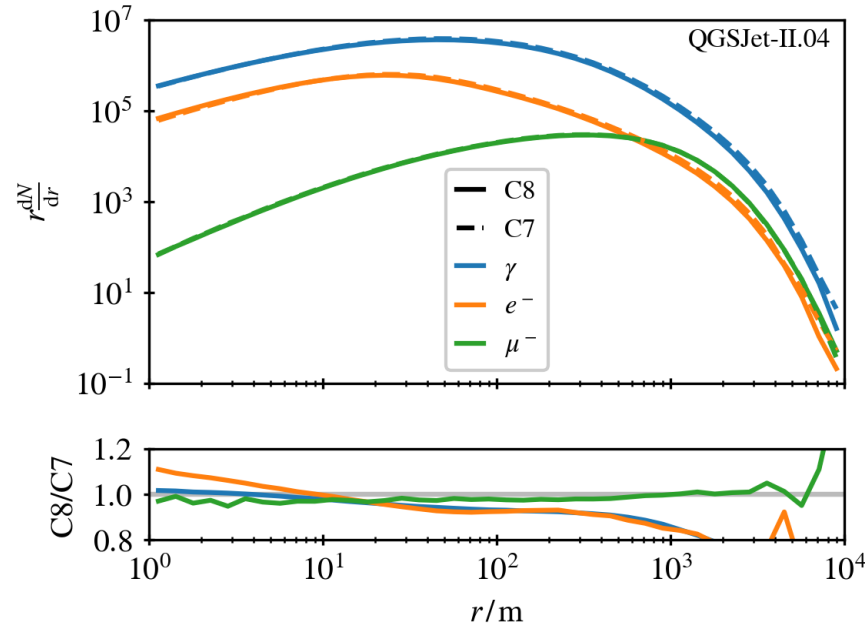
Energy spectra



ratio N_{μ} C8 / C7

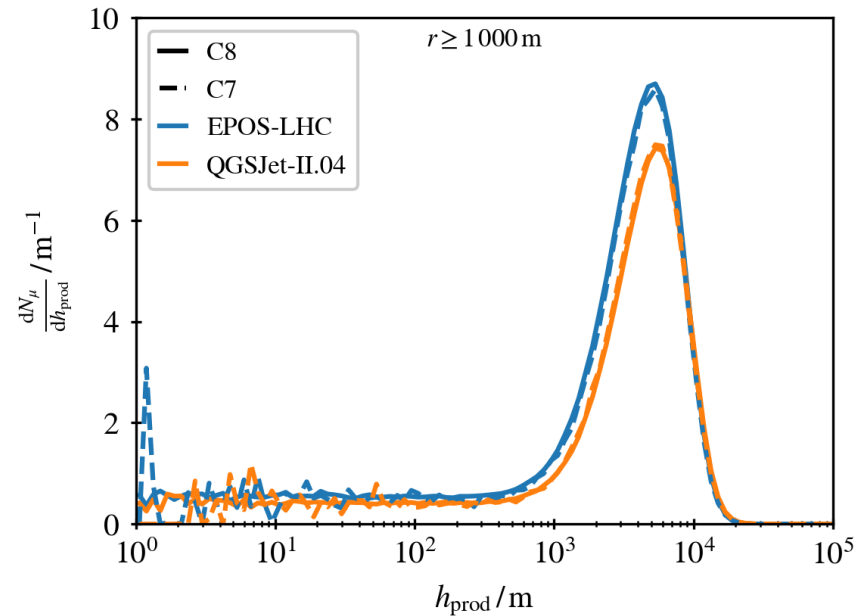
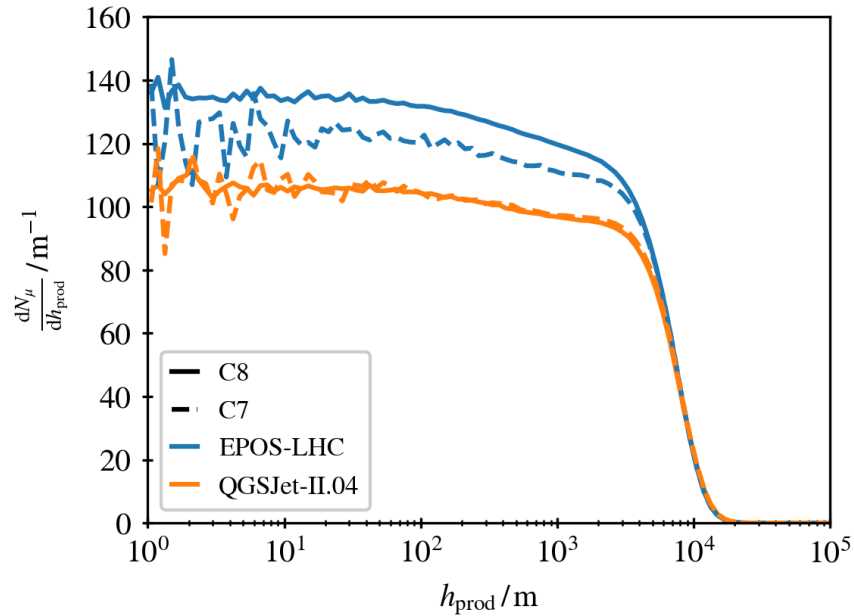
- SIBYLL 1.082
- QGSJet 0.982
- EPOS 1.031

Lateral distribution



error in histogramming script, SIBYLL still to be reprocessed...

Muon production depth



Paper

- section about thinning added
- please contribute!