

v13 rotation plots

Hongyin Liu July 28, 2021

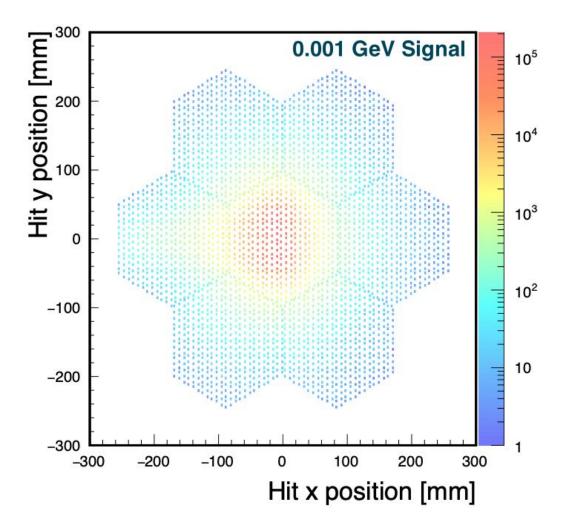


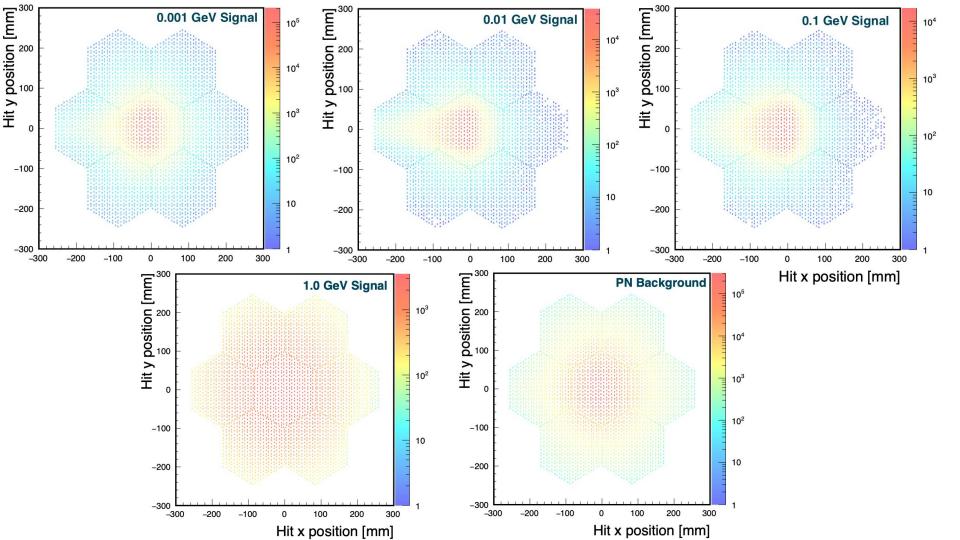


It is rotated!

Samples:

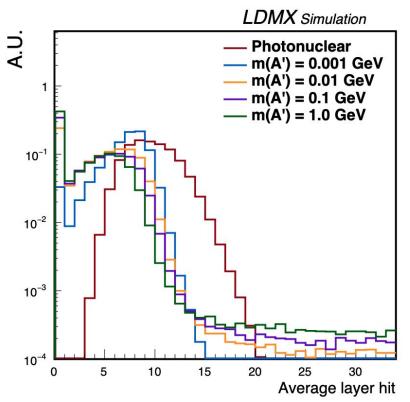
- 0.001 GeV: ~0.25M events
- 0.01 GeV: ~0.1M events
- 0.1 GeV: ~0.085M events
- 1.0 GeV: ~0.2M events
- PN background: ~0.3M
 events

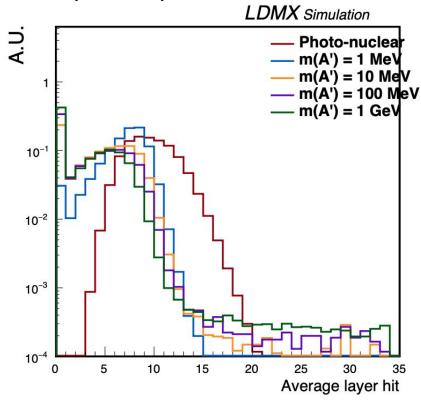




Average Layer Hit

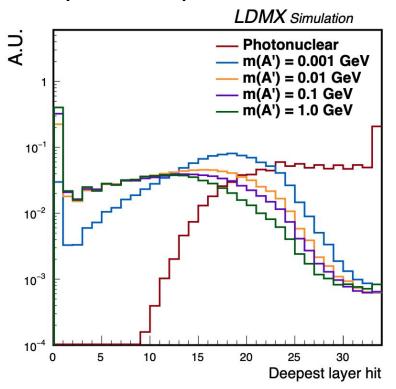


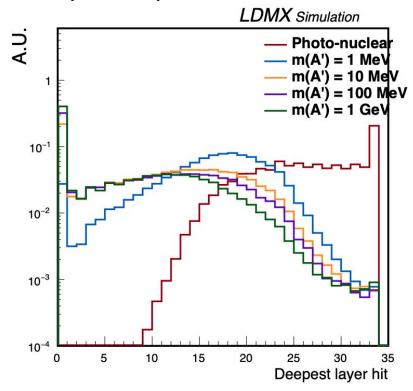




Deepest layer hit

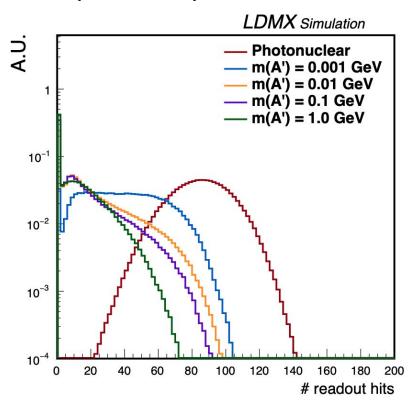


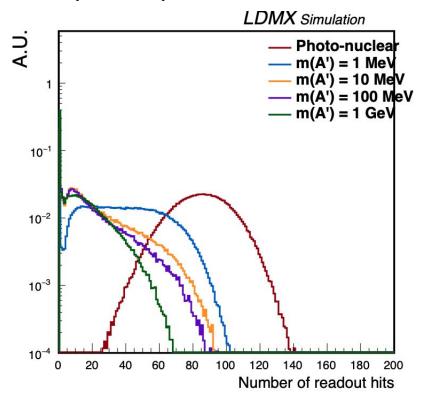




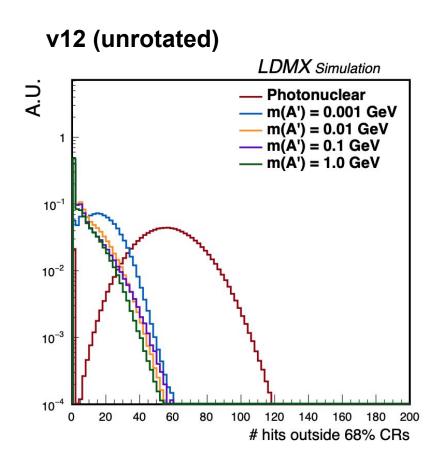
Number of Readout Hits

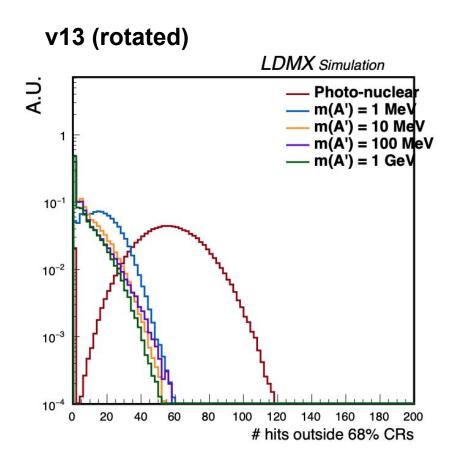
v12 (unrotated)



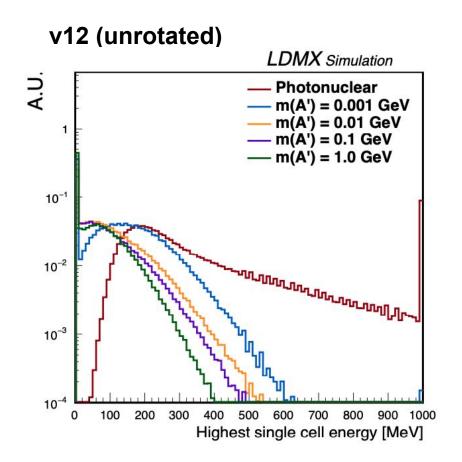


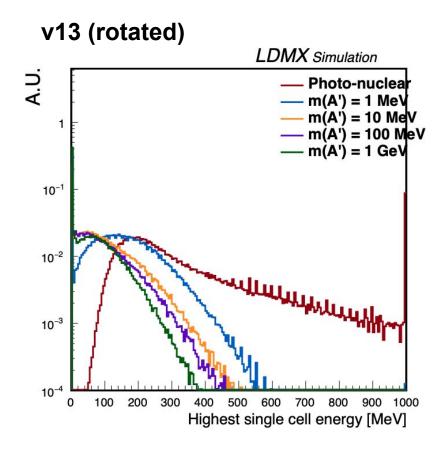
of Outside Containment Hits





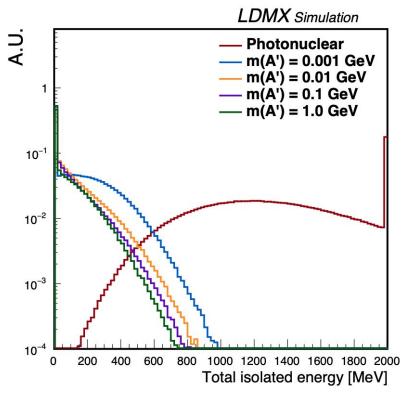
Highest Single Cell Energy

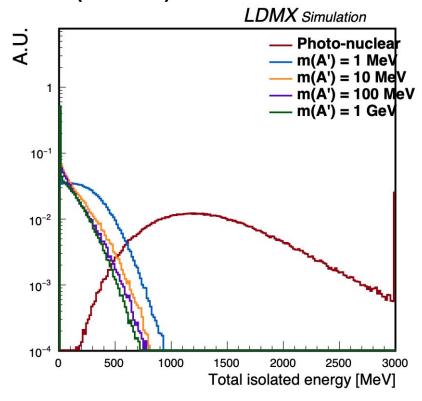




Total Isolated Energy

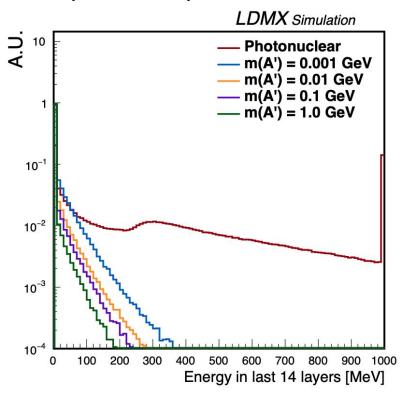


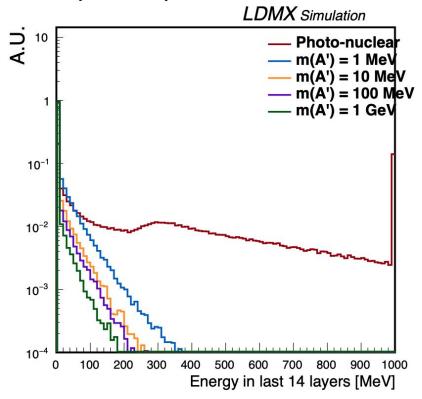




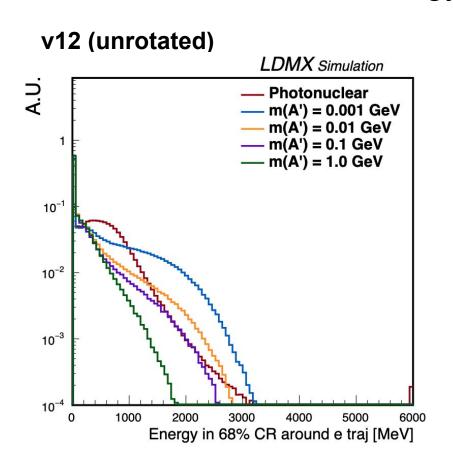
Ecal Back Energy

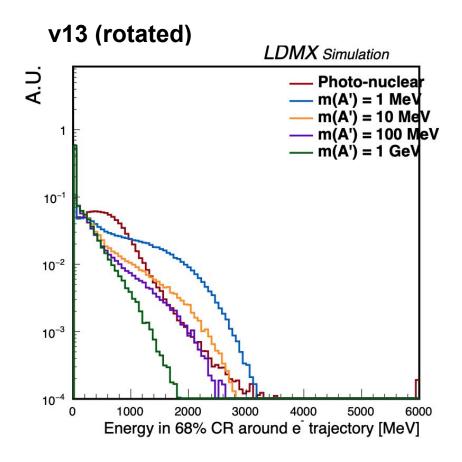
v12 (unrotated)



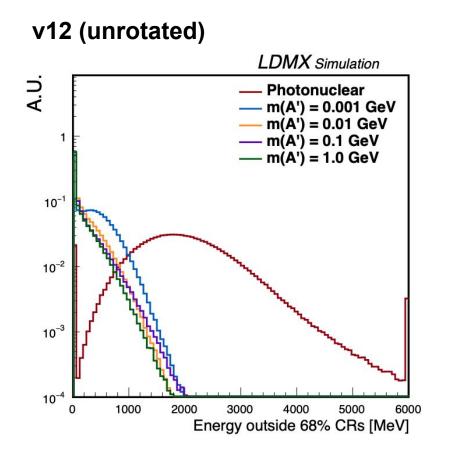


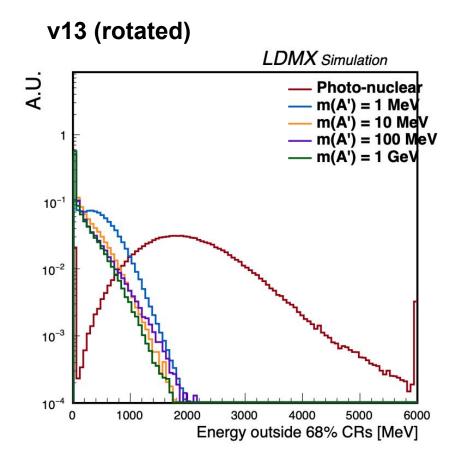
Electron Containment Energy





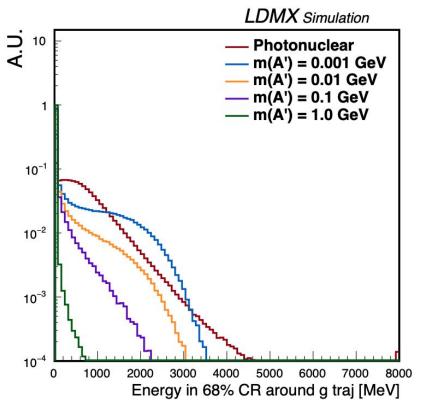
Outside Containment Energy

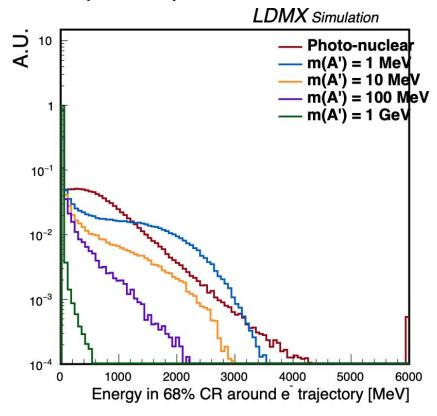




Photon Containment Energy







More Plots

A more complete set of v13 plots is in this link:

https://drive.google.com/drive/folders/11iPGkGru4TMAyl_Cln3kdRVi5D_DzdRf?usp=sharing

- Note for plots in this link (two minor problems):
 - These are only the "base" plots, and no "trigger" plots (as there was a problem when plotting,
 which made all trigger filtered plots empty)
 - The hitZ plot is empty (this is also a plotting issue, the hitZ in the original root tree sample is non empty).