Simulation and Analysis

Tony, Gianluca, Noam

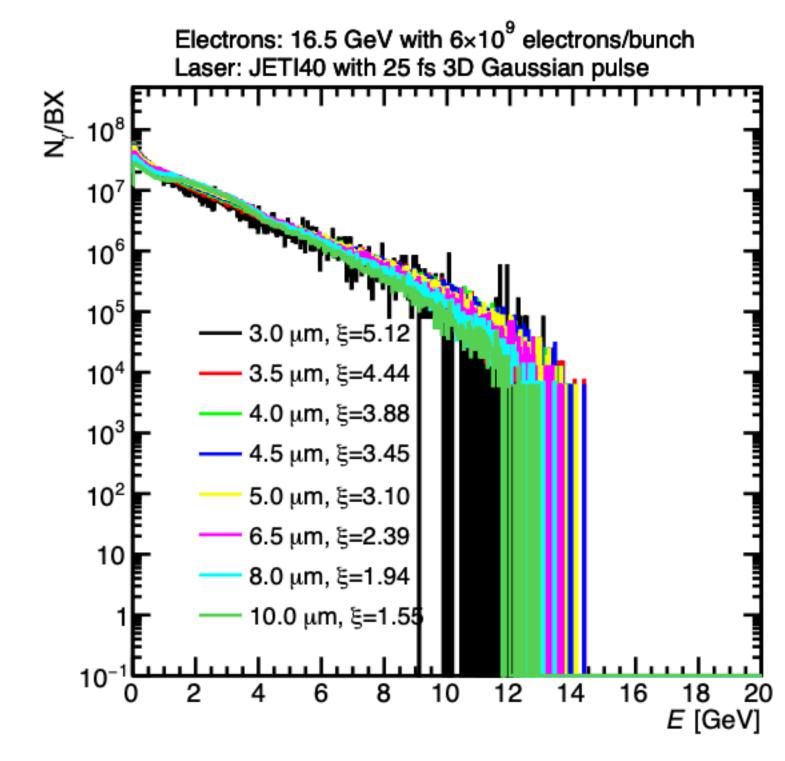


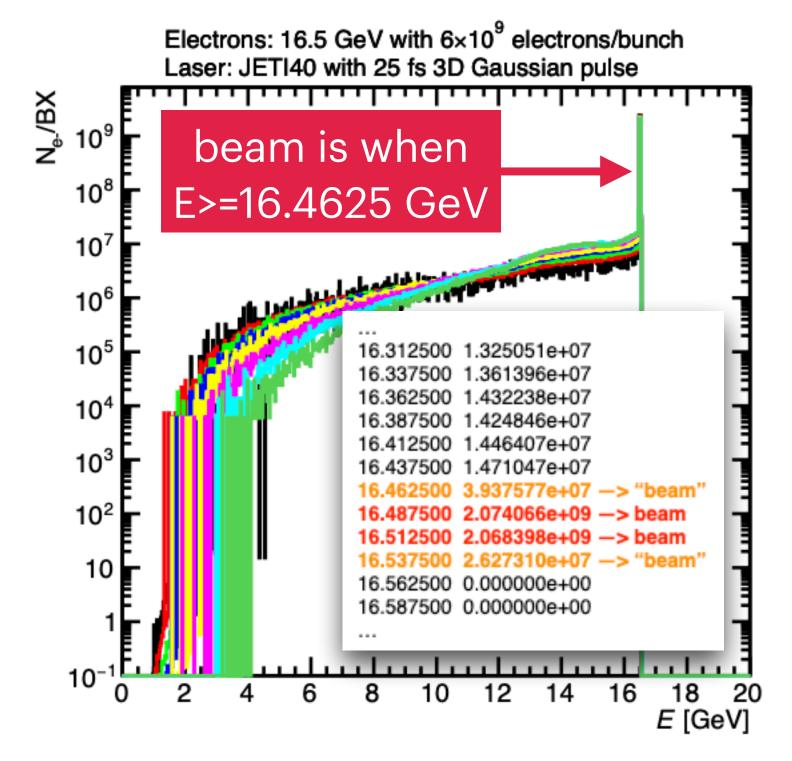
Recap

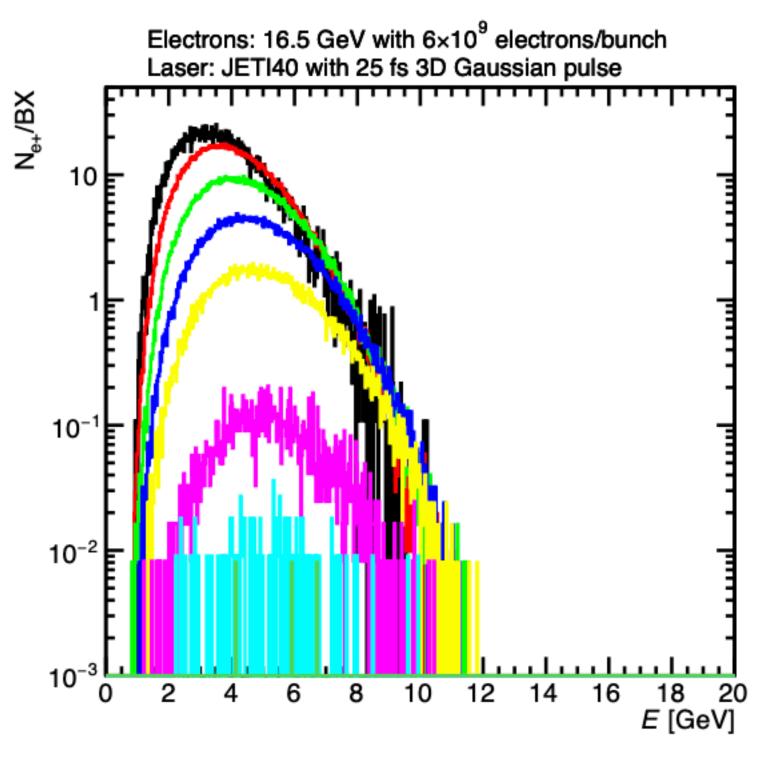
- Tony is redoing the signals
 - will need to reprocess in G4
- Beam-only bkg: we have 3.6 (had a problem with the UCL files)
- Louis has updated the Calo numbers in the spreadsheet
 - I will regenerate the plots for Matthew
- We have looked at the fraction of non-interacting electrons to scale down the total bkg numbers from the beam-only simulation (see next)
- Arka has made a lot of progress with the analysis of several bkg BXs, the way to split those in order to work per BX and the way to scale these down as needed see later talk

Fraction of non-interacting e-'s

- 3000nm --> number of non-beam electrons 2.61568e+08 --> number of non-interacting electrons is 1.23843e+09 --> fraction of non-interacting electrons is 0.826
- 3500nm --> number of non-beam electrons 3.02275e+08 --> number of non-interacting electrons is 1.19773e+09 --> fraction of non-interacting electrons is 0.798
- 4000nm --> number of non-beam electrons 3.41938e+08 --> number of non-interacting electrons is 1.15806e+09 --> fraction of non-interacting electrons is 0.772
- 4500nm --> number of non-beam electrons 3.75505e+08 --> number of non-interacting electrons is 1.12449e+09 --> fraction of non-interacting electrons is 0.750
- 5000nm --> number of non-beam electrons 4.01843e+08 --> number of non-interacting electrons is 1.09816e+09 --> fraction of non-interacting electrons is 0.732
- 6500nm --> number of non-beam electrons 4.47963e+08 --> number of non-interacting electrons is 1.05204e+09 --> fraction of non-interacting electrons is 0.701
- 8000nm --> number of non-beam electrons 4.57321e+08 --> number of non-interacting electrons is 1.04268e+09 --> fraction of non-interacting electrons is 0.695
- 10000nm --> number of non-beam electrons 4.35941e+08 --> number of non-interacting electrons is 1.06406e+09 --> fraction of non-interacting electrons is 0.709







With calo numbers

