

Minutes of the 46th SiD optimization meeting

14-Sep-2015

Present:

Norman Graf (NG)
Tom Markiewicz (TM)
Bruce Schumm (BS)
Anne Schütz (AS)
Jan Strube (JS)

Last week's Work Items:

- Re-make the MIP response plots in units of MIPs to compare with DESY plots. Poisson statistics of how many SiPM pixels fire might still have to be implemented. (JS)
- Compare running slic with an infinitely small tracking volume and with a cylindrical tracking volume, where the volume overlaps partly with the lumical. (LH+CM) ← Instead, change the tracker to lie within the same cylinder as the VTX
- Simulate a few events with some reasonable cuts for Bristol to take a first look. ← DONE

Agenda and points of discussion:

1. Future consistency between engineering and simulation?
 - a. compact.xml is probably the easiest way to ensure, since it's machine readable
2. The best way for simulating the GuineaPig files is to use the split option and put files back together with the MergeEventsDriver. Currently doesn't treat the EndPointEnergy collection correctly.

New Work Items:

- Re-make the MIP response plots in units of MIPs to compare with DESY plots. Poisson statistics of how many SiPM pixels fire might still have to be implemented. (JS)