

Minutes of the 28th SiD optimization meeting

23-March-2015

Present:

Marty Breidenbach (MB)

Joel Goldstein (JG)

Norman Graf (NG)

Richard Kriske (RK)

Tom Markiewicz (TM)

Christopher Milke (CM)

Jan Strube (JS)

Fergus Wilson (FW)

Agenda:

Last Week's work items:

1. Circulate list of processes that are needed for occupancy studies (BS) ← still pending
2. Evaluate whether existing current cut-off of 1 GeV (in e+e- center of momentum frame) on bhabha events corresponds to an appropriate angular cut-off for occupancy studies. (BS) ← still pending
3. Pending 1. and 2., determine if additional Whizard production is needed. Events with ISR, but not FSR have been simulated for DBD. Events with both ISR and FSR have been generated, but not yet simulated. Event mixing needs to be done. Point JS to mixed files (TB).
4. Pending 3., start simulation (JS)
5. Point CM to docs for changing a detector and running slic with the new geometry (JS)

Detector Optimization studies at ALCW2015

- Discussion on status/plans for ALCW2015 and beyond
- General agreement that a set of notes documenting these studies would be an important input to changing the detector baseline, and could support funding requests to DOE following a Japanese green light. These notes should be reviewed. To be discussed further.