

# Minutes of the 27th SiD optimization meeting

16-March-2015

## Present:

Tim Barklow (TB)

Marty Breidenbach (MB)

Joel Goldstein (JG)

Richard Kriske (RK)

Tom Markiewicz (TM)

Christopher Milke (CM)

Bruce Schumm (BS)

Malachi Schram (MS)

Jan Strube (JS)

## Action Items from last time:

- Confirm the current sidloi3 geometry. Is beamcal centered on outgoing beam pipe or on 0, 0?
  - sidloi3 beamcal geometry is centered on detector symmetry axis (0, 0, z)
- Invite Oregon to present their studies (JS)
  - Problem with the time slot for Jim. Will iterate on possibilities to present.
- Invite NIU to participate in studies of scint HCAL (AW)
  - NIU has been invited

## Agenda:

There were no scheduled agenda items.

## Points of discussion:

- Occupancy study:
  - Some low xs processes still missing. List to be circulated

## Action Items:

1. Circulate list of processes that are needed for occupancy studies (BS)
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)
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)