

# Minutes of the Sixth SiD Optimization meeting

27th August, 2014

## Present:

Da An (Chi Chi)  
Tim Barklow (TB)  
Martin Gaughran (MG)  
Joel Goldstein (JG)  
Norman Graf (NG)  
Richard Kriske (RK)  
Tom Markiewicz (TM)  
Oliver Reardon-Smith (ORS)  
Rosa Simoniello (RS)  
Marcel Stanitzki (MS)  
Jan Strube (JS)

## Agenda:

1. Brief recap of DHCAL simulation
2. Update on DESY single particle studies

## Discussion Items:

1. Brief recap of DHCAL simulation
  - a. It would be useful to have written instructions how to add rpcsim to SLIC
2. Update on DESY single particle studies
  - a. The distribution of the number of hits includes secondaries. This explains the difference between the 1x1 cm<sup>2</sup> RPC and the 1x1 cm<sup>2</sup> scintillator variants.
  - b. The relative difference in number of hits between the 1x1 and 3x3 cm<sup>2</sup> scintillator variants is not entirely understood and warrants further study.
  - c. Studies with protons still include tracks, so only simcalorimeter hits could be shown.

The next meeting will be on Sept. 10th