

Wednesday January 25th

8:00 – 8:30 Continental breakfast

8:30 - 8:40 Welcome and introduction – P. Privitera 10 min

Review of DAMIC100 and lessons learned Chair: B. Kilminster

8:40 - 9:00 CCDs: production, packaging and test - J. Estrada 15+5 min

9:00 - 9:20 Cryogenic and thermal modeling - F. Trillaud 15+5 min

9:20 - 9:55 Monsoon electronics, Slow control, DAQ, Installation - J. Tiffenberg
30+5 min

9:55 – 10:15 Backgrounds minimization and evaluation- A. Chavarria 15+5 min

10:15 - 10:40 Coffee Break

10:40 –11:00 Data analysis - M. Settimo 15 + 5 min

11:00 -11:45 Open discussion on lessons learned

11:45 - 1:00 Lunch

Towards a kg-size detector Chair: A. Letessier-Selvon

1:00 - 1:15 General considerations – P. Privitera, J. Estrada 10 + 5 min

CCDs detectors:

1:15 – 1:35 Challenges for low-noise, thick CCD design - S. Holland 15 + 5 min

1:35 – 1:55 Recent work on Skipper CCDs - J. Tiffenberg 15 + 5 min

1:55 – 2:15 R&D at the Pritzker Nanofabrication Facility – A. Matalon 15 + 5 min

2:15 – 2:35 Silicon detector's work at Santander – R. Vilar 15 + 5 min

Mechanical design:

2:35 – 2:50 Packaging - J. Estrada 10 + 5 min

2:50 – 3:10 Mechanical design - B. Kilminster 15 + 5 min

3:10 – 3:25 Coffee break

Science Chair: J. Estrada

3:25 - 3:55 Dark matter searches - A. Chavarria, J. Tiffenberg 25+5 min

3:55 – 4:15 Millicharged particles and other exotica J. de Mello Neto 15+5min

4:15 - 4:45 Working groups organization

4:45 – 6:30 *Science* and *CCDs* working groups activities

Thursday January 26th

8:00 – 8:30 Continental breakfast

Chair: A. Aguilar-Arevalo

- Electronics:

8:30 – 8:50 Electronics activities in Paris – H. Lebbolo 15 + 5 min

8:50 - 9:10 Electronics activities at UChicago - R. Thomas - 15 + 5 min

9:10 - 9:30 A new CCD controller - G. Fernandez Moroni 15 + 5 min

- Backgrounds

9:30 – 9:50 Low background techniques – T. Hossbach 15+5 min

9:50 – 10:05 Background considerations - A. Chavarria 10+5 min

10:05 – 10:25 Coffee break

- Simulations

10:25 – 10:40 MCNP – K. Ramanathan 10+5 min

10:40 - 10:55 Geant4 – J. Molina 10+5 min

10:55 - 11:10 Analysis requirements - M. Settimo 10+5 min

Facilities

11:10 - 11:30 5 min presentations of available facilities (Modane – A. Letessier-Selvon) (Canfranc – R. Vilar) (SNOLAB, SURF – P. Privitera) (Gran Sasso – V. Verzi)

11:30 - 12:15 Preliminary reports from *Science* and *CCDs* working groups and *Electronics* and *Low background design and evaluation* working groups organization

12:15 - 1:30 Lunch (DAMIC100 CB meeting, B. Kilminster)

1:30 - 3:00 Working groups activities

3:00 - 3:20 Coffee break

3:20 - 6:00 Working groups activities

6:00 Wine and Cheese Reception

Friday January 27th

8:00 – 8:30 Continental breakfast

Reports from working groups Chair: X. Bertou

8:30 – 8:50 Science - J. Tiffenberg

8:50 - 9:10 CCDs - J. Estrada

9:10 - 9:30 Electronics - G. Cancelo

9:30 – 10:00 Low background design and evaluation – T. Hossbach, A. Chavarria

10:00 – 10:20 Remarks on Characterization and calibrations - P. Privitera

10:20 – 10:40 Coffee break

10:40 – 11:40 Open discussion and organization of future activities

11:40 – 11:50 Workshop conclusions