

# **DAMIC-M kick-off meeting, June 11<sup>th</sup> -13<sup>th</sup>**

The University of Chicago Center in Paris, 6 Rue Thomas Mann

## **Monday, June 11<sup>th</sup>**

1:30 – 1:40 pm Welcome (D. Rodowick, Director of the UoC Center in Paris)

### INTRODUCTION; Session Chair: A. Letessier Selvon

1:40 – 2:10 pm Theoretical Aspects of light Dark Matter (25'+5'; C. Kouvaris SDU)

2:10 – 2:40 pm Status of DAMIC at SNOLAB (25'+5'; A. Chavarria, UW)

2:40 – 3:15 pm The DAMIC-M experiment (30'+5'; P. Privitera, UoC)

3:15 – 3:50 pm Brief introduction of groups (35')

3:50 – 4:20 pm Coffee break

### CRYOSTAT AND CCD PACKAGING; Session Chair: B. Kilminster

4:20 – 4:50 pm Conceptual Design and Cryostat (25' + 5'; T. Hossbach, PNNL)

4:50 – 5:10 pm CCD Packaging efforts at UW (15'+5'; P. Mitra, UW)

5:10 – 5:30 pm First DAMIC-M CCD development (15'+5'; A. Chavarria, UW)

5:30 – 5:45 pm Flex cables design (10'+5'; M. Bogdan, UoC)

5:45 – 6:15 pm Discussion (30')

6:30 pm Reception at the University of Chicago Center in Paris

## Tuesday, June 12<sup>th</sup>

### BACKGROUNDS; Session Chair: F. Piquemal

- 9:00 – 9:20 am Cosmogenic Tritium measurements (15'+5'; A. Chavarria, UW)  
9:20 – 9:40 am Si-32 measurement with DAMIC100 (15'+5'; G. Rich, UoC)  
9:40 – 10:00 am Low-Backgrounds techniques (15'+5'; P. Loaiza, LAL)  
10:00 – 10:20 am Rn emanation measurements (15'+5'; C. Cerna, CENBG)  
10:20 – 10:35 am Low-background facilities at PNNL (10'+5'; T. Hossbach, PNNL)

10:35 – 11:00 am Coffee break

- 11:00 – 11:15 am Low-background facilities at Canfranc (10'+5'; R. Vilar, IFCA)  
11:15 – 11:30 am Low-background facilities at LSM (10'+5'; G. Warot, LSM)  
11:30 – 12:00 pm Discussion (30')  
12:00 – 12:30 pm LSM INFRASTRUCTURE (10', F. Piquemal CENBG,  
+ 20' discussion)

12:30 – 1:30 pm Lunch at the UoC Center

### ELECTRONICS; Session Chair: M. Dam

- 1:30 – 1:55 pm Overview (20'+5'; H. Lebbolo, LPNHE)  
1:55 – 2:15 pm DAQ (15'+5'; O. Deligny, IPNO)  
2:15 – 2:30 pm CROC (10'+5'; P. Vallerand, LAL)  
2:30 – 2:45 pm Testing activities (10'+5'; R. Gaior, LPNHE)  
2:45 – 3:00 pm 20-bit ADC (10'+5'; M. Bogdan, UoC)  
3:00 – 3:15 pm 18-bit ADC (10'+5'; L. Khalil, LPNHE)

3:15 – 3:45 pm      Coffee Break

3:45 – 4:00 pm      Skipper Sequencer                      (10'+5'; P. Mitra, UW)

4:00 – 4:20 pm      Discussion                                      (20')

DATA ANALYSIS AND SIMULATIONS; Session Chair: J. De Melo Neto

4:20 – 4:45 pm      GEANT4 simulations                      (20'+5'; J. Da Rocha, LPNHE)

4:45 – 5:00 pm      MCNP tools                                      (10'+5'; G. Rich, UoC)

5:00 – 5:30 pm      Data Analysis and Simulations, from DAMIC to DAMIC-M      (25'+5';  
M. Settimo, SUBATECH)

5:30 – 6:00 pm      Discussion                                      (30')

**Wednesday, June 13<sup>th</sup>**

9:00 – 10:00 am      Workshop Summary and Organization

10:00 – 11:00 am      Collaboration Board Meeting (PIs)

11:00 - 11:30 am      Coffee break

11:30 – 12:30 pm      Collaboration Board Meeting (PIs)

12:30 pm              End of Workshop