

Session Program

25-29 Jun 2018

**2nd World Summit on Exploring the Dark Side
of the Universe**

Session 2: Dark Matter

Guadeloupe islands
University of Antilles Fouillole 97157 Pointe-à-Pitre Amphi Merault

Tuesday 26 June

08:00

Session 2: Dark Matter

Session

08:00–08:35 **Dark Matter a critical review (Theory)**

Speaker

Marcela Carena

08:35–09:10 **Dark Matter and Higgs physics**

Speaker

Ian Moss

09:10–09:45 **Direct DM searches status and prospects**

Speaker

Prof. Alexander Belyaev

09:45–10:20 **Indirect DM Searches status and prospects**

Speaker

Eric Charles

10:20–10:50 **Coffee break**

10:50–11:25 **DM searches at ATLAS status and prospects**

Speaker

Mario Martinez Perez

11:25–12:00 **DM searches at CMS status and prospects**

Speaker

Guillermo Gomez-Ceballos

12:00–12:35 **CMS Searches for Dark Matter with Heavy Quarks or Jets**

Speaker

Tommaso Dorigo

12:35–14:00 **Lunch break**

14:00–14:35 **Unravelling the mystery of dark matter annual modulation**

Speaker

Davide d'Angelo

14:35–15:10 **Most recent results from XENON1T dark matter detector**

Speaker

Marcello Messina

15:10–15:55 **The DM puzzle: Are WIMPS still alive ?**

Speaker

Gilles Gerbier

15:55-16:25 **Coffee break**

16:25-17:25 **Round table: Dark matter or something else?**

Speaker

Moderated by Gilles Gerbier and Kazuhiko Hara

17:25

Wednesday 27 June

08:00

Session 2: Dark Matter

Session

08:00–08:25 **Probing New Parameter Space in Dark Matter Detection**

Speaker

Christoforos Kouvaris

08:25–09:00 **Search for Ultra-low Mass Dark Matter**

Speaker

Laurent Chevalier

09:00–09:35 **DM and extra dimension**

Speaker

Christophe Royon

09:35