

**Session Program**

**2-7 Jun 2019**

**Blois 2019: 31st Rencontres de Blois on  
"Particle Physics and Cosmology"**

***Parallel Session BSM+DM***

Gaston d'Orléans  
Château de Blois, Blois, Loire Valley, France

## Tuesday 4 June

16:30

### Parallel Session BSM+DM

**Session** | **Location:** | **Convener:** Oleg Lebedev

16:30–16:50 **New Physics in EW phase transition**

**Speaker**

Iason Baldes

16:50–17:10 **Three-boson signals of a three-brane world**

**Speaker**

Rashmish Mishra

17:10–17:30 **Long Lived Particles**

**Speaker**

Jan Hajer

17:30–17:50 **Searches with boosted objects in ATLAS and CMS**

**Speaker**

Alejandro Gomez Espinosa

17:50–18:10

**Searches for new resonances in hadronic final states with the ATLAS detector**

**Speaker**

Nishu Nishu

18:10–18:30 **Search for new physics in multilepton final states in CMS**

**Speaker**

Halil Saka

18:30–18:50

**Searches for new resonances in final states comprising leptons using the ATLAS detector**

**Speaker**

Oleg Zenin

18:50–19:10 **Selected highlights from dark matter searches with CMS**

**Speaker**

Sushil Chauhan

19:10–19:30 **Dark matter and the 21cm global signal at cosmic dawn**

**Speaker**

Ely Kovetz

19:30

## Wednesday 5 June

14:00

### Parallel Session BSM+DM

**Session** | **Location:** | **Convener:** Prof. Stephen Jacob Sekula

14:00–14:20 **A 96 GeV Higgs Boson in the N2HDM**

**Speaker**

Sven Heinemeyer

14:20–14:40 **Searches for electroweak supersymmetry in ATLAS**

**Speaker**

Yohei Yamaguchi

14:40–15:00 **Search for scalar top and gluino in fully hadronic final state with CMS**

**Speaker**

Koushik Mandal

15:00–15:20 **General bounds on Conformal Dark Sectors**

**Speaker**

Kevin Max

15:20–15:40 **Bound states in DM**

**Speaker**

Julia Harz

15:40–16:00 **Dark matter searches at Belle II**

**Speaker**

Sam Cunliffe

16:00

16:30

### Parallel Session BSM+DM

**Session** | **Location:** | **Convener:** Priscilla Cushman

16:30–16:50

**Latest results from the Xenon1T Dark Matter Experiment, and future prospects**

**Speaker**

Jean-Philippe ZOPOUNIDIS

16:50–17:10 **Recent results from EDELWEISS Dark Matter searches**

**Speaker**

Dimitri Misiak

17:10–17:30 **COSINE-100 dark matter experiment**

**Speaker**

Kyungwon Kim

17:30–17:50 **First results of ANAIS-112 on dark matter annual modulation**

**Speaker**

Maria Martinez

17:50-18:10 **First Results from the ABRACADABRA-10 cm Prototype**

**Speaker**

Jonathan Ouellet

18:10-18:30 **The search for Dark Matter with the IceCube Neutrino Telescope**

**Speaker**

Juan Antonio Aguilar Sanchez

18:30-18:50 **Directional Dark Matter Search with Nuclear Emulsion**

**Speaker**

Murat Ali Guler

18:50-19:10 **DARWIN: the ultimate dark matter detector**

**Speaker**

Patricia Sanchez-Lucas

19:30