

## Session Program

30 November 2022 to 2 December 2022

# Dark Matters 2022



## Dark Matters 2022

### ***DM pheno and experiments***

ULB, Campus de la Plaine, Salle Solvay (NO Buidling, 5th floor)  
Boulevard de la Plaine, 1050 Brussels

# Thursday 1 December

14:00

## DM pheno and experiments

Session |

Location: ULB, Campus de la Plaine, Salle Solvay (NO Buidling, 5th floor), Boulevard de la Plaine, 1050 Brussels

14:00-14:40

### Co-genesis in a dark sector

Speaker

Xiaoyong Chu

14:40-14:55

### Mapping the viable parameter space for testable leptogenesis

Speaker

Yannis Georis

14:55-15:35

### Dark Matter Searches with IceCube

Speaker

Juan Antonio AGUILAR SANCHEZ

15:35

16:05

## DM pheno and experiments

Session |

Location: ULB, Campus de la Plaine, Salle Solvay (NO Buidling, 5th floor), Boulevard de la Plaine, 1050 Brussels

16:05-16:45

### Indirect dark matter searches

Speaker

Dr Gabrijela Zaharijas

16:45-17:25

### On machines learning about some dark matters

Speaker

Bryan Zaldivar

17:25-17:40

### Towards reconstructing the halo clustering and halo mass function of N-body simulations using neural ratio estimation

Speaker

Androniki Dimitriou

17:40