

Session Program

21-24 Oct 2019



BLV2019

Baryon Number Violation

IFT (Madrid) , Main Auditorium
C/ Nicolás Cabrera 13-15 Universidad Autónoma de Madrid Cantoblanco, 28049 Madrid, Spain.

Monday 21 October

15:10

Baryon Number Violation

Session | **Location:** IFT, Grey Room 2 | **Convener:** Benjamin Grinstein

15:10–15:30 **Non-standard nucleon decay modes**

Speaker

Martin Hirsch

15:30–15:50 **Proton decay at one loop**

Speaker

Toshihiko Ota

15:50–16:10 **Leptoquarks and baryon number violation**

Speaker

Svjetlana Fajfer

16:10

Tuesday 22 October

15:30

Baryon Number Violation

Session | **Location:** IFT , Grey Room 2 | **Convener:** David McKeen

15:30–16:00 **Nucleon decay searches in Super-K and Hyper-K**

Speaker

Makoto Miura

16:00–16:20 **Nucleon decay searches in DUNE**

Speaker

Viktor Pec

16:20–16:40 **The neutron lifetime anomaly**

Speaker

Benjamin Grinstein

16:40

17:10

Baryon Number Violation

Session | **Location:** IFT, Grey Room 2

17:10–17:30 **Lattice QCD updates on BNV matrix elements**

Speaker

Michael Wagman

17:30–17:50 **Neutron-antineutron connection to baryogenesis**

Speaker

Bibhushan Shakya

17:50–18:10 **Low-scale baryogenesis and baryon number violation**

Speaker

David McKeen

18:10

Thursday 24 October

12:00

Baryon Number Violation

Session | **Location:** IFT, Red Room | **Convener:** Georgia Karagiorgi

12:00–12:20

Baryon-number violation by two units and the deuteron lifetime

Speaker

Femke Oosterhof

12:20–12:40

New paths to baryon number violation by two units and their implications

Speaker

Susan Gardner

12:40–13:00

Experimental overview of free neutron-antineutron oscillation

Speaker

Albert Young

13:00