

Session Program

18-22 Jul 2022



IDM 2022

Parallel 2A - Direct detection I

Tuesday 19 July

14:30

Parallel 2A - Direct detection I

Session | Location: E17 | Convener: Jochen Schieck

14:30–14:50 **The Scintillating Bubble Chamber Experiment**

Speaker

Dr Ben Broerman

14:50–15:10 **PICO: dark matter searches using bubble chambers**

Speaker

Eric Vazquez-Jauregui

15:10–15:30 **Status and future prospects of the NEWS-G experiment**

Speaker

Patrick Ryan Knights

15:30–15:50

Low mass dark matter searches with NEWS-G: Results with a methane target

Speaker

Francisco Andres Vazquez de Sola

15:50–16:10 **Overview and recent results from the DEAP-3600 experiment**

Speaker

Andrew Erlandson

16:10–16:30 **The Future LXe Observatory DARWIN**

Speaker

Klaus Eitel

16:30

17:00

Parallel 2A - Direct detection I

Session | Location: E17 | Convener: Valentyna Mokina

17:00–17:10

Calibrating XENONnT and its novel water Cherenkov neutron-veto using tagged neutrons

Speaker

Daniel Wenz

17:10–17:20

iDM@IDM: Electron recoils from terrestrial upscattering of inelastic dark matter

Speaker

Jonas Frerick

17:20–17:40 **LUX-ZEPLIN (LZ) status**

Speaker

Alden Fan

17:40–18:00 **The DarkSide-20k TPC and underground argon cryogenic system**

Speaker

Thomas Nathan Thorpe

18:00-18:20

Search for low mass WIMP dark matter with DarkSide-50

Speaker

Masato Kimura

18:20-18:40

Constraints on dark matter-nucleon effective couplings with DEAP-3600 and prospects for the next campaign

Speaker

Vicente Pesudo Fortes

18:50