

Session Program

25-28 Sept 2022

**International Conference on Neutrinos and
Dark Matter (NuDM-2022)**

Neutrino & DM

Sharm El Sheikh

Tuesday 27 September

17:00

Neutrino & DM

Session | **Location:** Sharm El Sheikh | **Convener:** Mary Bishai

17:00–17:25

Exploring the lifetime and cosmic frontier with the proposed MATHUSLA experiment

Speaker

Steven Robertson

Location

Sharm El Sheikh

17:25–17:50

Directional Dark Matter Search with News-dm

Speaker

Giovanni Rosa

Location

Sharm El Sheikh

17:50–18:15

Coherent elastic neutrino-nucleus scattering in the Standard Model and beyond

Speaker

Valentina De Romeri

Location

Sharm El Sheikh

18:15–18:40

IceCube Observation of Neutrinos from High-Energy Blazars and their production mechanism

Speaker

Sarira Sahu

Location

Sharm El Sheikh

18:40–19:05

Connecting the Extremes: A Story of Supermassive Black Holes and Ultralight Dark

Speaker

Peter Denton

Location

online

19:05–19:30

Higgs portal vector dark matter interpretation: review of Effective Field Theory approach and ultraviolet complete models

Speaker

Dr Ketevi Adikle Assamagan

Location
Sharm El Sheikh

19:30–19:55 **Particle dispersion in the classical vector dark matter background**

Speaker
Eung Jin Chun

Location
Sharm El Sheikh

19:55