

Session Program

Dec 7 - 10, 2021



Dark Sectors of Astroparticle Physics (AstroDark-2021): Axions, Neutrinos, Black Holes and Gravitational Waves

Parallel 2: Neutrinos

Online
Details are notified to registrants.

Tue, December 7

11:20 AM

Parallel 2: Neutrinos

Session | **Location:** Online, Details are notified to registrants.

11:20 - 11:38 AM **Astrophysical Neutrino Decay**

Speaker

Peter Denton

11:38 - 11:56 AM **Intrinsic Background for Astrophysical Tau-neutrino Searches**

Speaker

Alfonso Andres Garcia Soto

11:56 AM - 12:14 PM **Terrestrial Upscattering and Heavy Neutral Leptons**

Speaker

Ryan Plestid

12:14 - 12:32 PM

A Closer Look at the pp-chain Reaction in the Sun: Constraining the Coupling of Light Mediators to Protons

Speaker

Anna M. Suliga

12:32 - 12:50 PM **Dark Matter Searches and NSI Search with Super-Kamiokande**

Speaker

Koun Choi

12:50 - 1:08 PM **Long Time Simulation Framework of Supernova Neutrino**

Speaker

Masamitsu Mori

1:08 PM

Thu, December 9

11:20 AM

Parallel 2: Neutrinos

Session | **Location:** Online, Details are notified to registrants.

11:20 - 11:38 AM

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

Speaker

Julia Gehrlein

11:38 - 11:56 AM

Decaying Dark Matter at IceCube and its Signature in High-Energy Gamma-Ray Experiments

Speaker

Barbara Skrzypek

11:56 AM - 12:14 PM

Searching for Pseudo-Dirac Neutrinos in Supernovas

Speaker

Ivan Martinez-Soler

12:14 - 12:32 PM

Results From a Search for Dark Matter Using 6 years of IceCube Data

Speaker

Christoph Toennis

12:32 - 12:50 PM

Unstable Cosmic Neutrino Capture on Tritium

Speaker

Akita Kensuke

12:50 - 1:08 PM

The Diffuse Supernova Neutrino Background at Super-Kamiokande: Latest Results and Future Prospects

Speaker

Alberto Giampaolo

1:08 - 1:26 PM

New Neutrino Interactions at COHERENT

Speaker

Newton Nath

1:26 PM