

Astroparticle School 2022

Wednesday 5 October 2022 - Thursday 13 October 2022

Obertrubach-Bärnfels

Scientific Programme

Lectures

Jonas Glombitza, FAU Erlangen, **Deep Learning in Astroparticle Physics**

Jim Hinton, MPIK Heidelberg, **Gamma-ray astronomy**

Anna Nelles, FAU Erlangen, **High-energy neutrino astronomy**

Silvia Celli, U. Rome, **Astrophysical acceleration processes**

Luisa Lucie-Smith, MPI Garching, **Cosmic structure formation**

Invited Talks

Andreas Bauswein, GSI Darmstadt, **Nuclear astrophysics of neutron star mergers**

Avishay Gal-Yam, WIOS, **ULTRASAT**

Susanne Mertens, TU München, **KATRIN**

Andrew Taylor, DESY Zeuthen, **Gamma Ray Bursts and Gamma rays**

as well as participants' presentations and exercises

Main session