

Current Topics in Astroparticle Physics

Report of Contributions

Contribution ID: 1

Type: **not specified**

Welcome

Wednesday, 9 November 2022 09:00 (10 minutes)

Presenter: Prof. LÜST, Dieter (LMU/MPP)

Contribution ID: 2

Type: **not specified**

Georg's footprints on supernova neutrinos and on my own work

Wednesday, 9 November 2022 09:10 (30 minutes)

Presenter: Prof. JANKA, Hans-Thomas (MPA)

Contribution ID: 3

Type: **not specified**

New frontiers in Cosmology

Wednesday, 9 November 2022 09:50 (30 minutes)

Presenter: Prof. SILK, Joe (IAP)

Contribution ID: 4

Type: **not specified**

Strong Supernova 1987A Constraints on Bosons Decaying to Neutrinos

Wednesday, 9 November 2022 11:00 (30 minutes)

Presenter: Dr VITAGLIANO, Edoardo (Hebrew Univ.)

Contribution ID: 5

Type: **not specified**

Supernovae as cosmic laboratories for axions

Wednesday, 9 November 2022 11:40 (30 minutes)

Presenter: Prof. MIRIZZI, Alessandro (Bari Univ.)

Contribution ID: 6

Type: **not specified**

CAST and after-CAST

Wednesday, 9 November 2022 12:20 (30 minutes)

Presenter: Prof. ZIOUTAS, Konstantin (Univ. of Patras/CERN)

Contribution ID: 7

Type: **not specified**

The CONUS experiment and future potential of coherent neutrino scattering

Wednesday, 9 November 2022 14:10 (30 minutes)

Presenter: Prof. LINDNER, Manfred (MPIK Heidelberg)

Contribution ID: 8

Type: **not specified**

Earth for Neutrinos, Neutrinos for Earth

Wednesday, 9 November 2022 14:50 (30 minutes)

Presenter: Prof. DIGHE, Amol (TIRF MUMBAI)

Contribution ID: 9

Type: **not specified**

Low energy neutrino physics: from Borexino to JUNO

Wednesday, 9 November 2022 16:00 (30 minutes)

Presenter: Prof. OBERAUER, Lothar (TUM)

Contribution ID: **10**

Type: **not specified**

Lowmass particles in stars, HEPA, Icecube

Friday, 11 November 2022 11:00 (30 minutes)

Presenter: Prof. SECKEL, Dave (Univ. of Delaware)

Contribution ID: 11

Type: **not specified**

Some New Ways of Limiting Black Hole Dark Matter

Wednesday, 9 November 2022 17:20 (30 minutes)

Presenter: Dr STODOLSKY, Leo (MPP)

Contribution ID: 12

Type: **not specified**

Welcome

Contribution ID: 13

Type: **not specified**

Status and Future Prospects in the Search for Dark Matter Axions (via zoom)

Thursday, 10 November 2022 17:10 (30 minutes)

Presenter: Prof. VAN BIBBER, Karl (UC Berkeley)

Contribution ID: 14

Type: **not specified**

MADMAX and ALPHA

Thursday, 10 November 2022 09:50 (30 minutes)

Presenter: Dr MILLAR, Alexander (Fermilab)

Contribution ID: 15

Type: **not specified**

Georg and the collective neutrinos: Anecdotes from a long history of collaboration

Thursday, 10 November 2022 11:00 (30 minutes)

Presenter: Prof. SIGL, Günter (Univ. of Hamburg)

Contribution ID: 16

Type: **not specified**

Fast oscillations in supernovae neutrinos: Beyond two flavors

Thursday, 10 November 2022 11:40 (30 minutes)

Presenter: Dr CHAKRABORTHY, Souvan (IIT Guwahati)

Contribution ID: 17

Type: **not specified**

Fast Neutrino Flavor Conversions in 1D Core-Collapse Supernova Simulations

Thursday, 10 November 2022 12:20 (30 minutes)

Presenter: Dr ABBAR, Sajad (MPP)

Contribution ID: 18

Type: **not specified**

Low-Energy Supernovae Severely Constrain Radiative Particle Decays

Thursday, 10 November 2022 14:00 (30 minutes)

Presenter: Dr CAPUTO, Andrea (CERN)

Contribution ID: 19

Type: **not specified**

Neutron Stars as Labs for Fundamental Dark Matter Physics

Thursday, 10 November 2022 14:40 (30 minutes)

Presenter: Prof. DASGUPTA, Basu (TIFR Mumbai)

Contribution ID: **20**

Type: **not specified**

EFT for LFV

Thursday, 10 November 2022 15:20 (30 minutes)

Presenter: Prof. DAVIDSON, Sacha (CNRS)

Contribution ID: 21

Type: **not specified**

Antinuclei in the Milky Way

Thursday, 10 November 2022 16:30 (30 minutes)

Presenter: Prof. KACHELRIESS, Michael (NTNU)

Contribution ID: 22

Type: **not specified**

Cosmological magnetic fields

Thursday, 10 November 2022 09:10 (30 minutes)

Presenter: Prof. SEMIKOZ, Dima (APC Paris)

Contribution ID: 23

Type: **not specified**

Welcome

Contribution ID: 24

Type: **not specified**

New adventures in physics beyond the standard model from cosmology

Friday, 11 November 2022 09:10 (30 minutes)

Presenter: Prof. HANNESTAD, Steen (Aarhus Univ.)

Contribution ID: 25

Type: **not specified**

Relic neutrino decoupling in some non-standard scenarios

Friday, 11 November 2022 09:50 (30 minutes)

Presenter: Prof. PASTOR, Sergio (IFIC Univ. Valencia)

Contribution ID: 26

Type: **not specified**

Massive sterile neutrinos in the early universe and supernovae

Wednesday, 9 November 2022 16:40 (30 minutes)

Presenter: Dr SERPICO, Pasquale (LAPTh)

Contribution ID: 27

Type: **not specified**

Neutrino stars and neutrino clusters

Friday, 11 November 2022 11:40 (30 minutes)

Presenter: Prof. SMIRNOV, Alexei (MPIK Heidelberg)

Contribution ID: 28

Type: **not specified**

Constraining the neutrino lifetime with precision cosmology

Friday, 11 November 2022 12:20 (30 minutes)

Presenter: Prof. WONG, Yvonne (Univ. of New South Wales)

Contribution ID: 29

Type: **not specified**

Tickling Georg with high-energy neutrinos

Wednesday, 9 November 2022 19:00 (30 minutes)

Presenter: Prof. RESCONI, Elisa (TUM)

Contribution ID: 30

Type: **not specified**

The incredible journey of IBS-CAPP to DFSZ sensitivity since its establishment on October 16, 2013

Thursday, 10 November 2022 17:50 (30 minutes)

Presenter: Prof. SEMERTZIDIS, Yannis (IBS/CAPP, KAIST)

Contribution ID: 31

Type: **not specified**

Concluding Remarks (homework!)

Friday, 11 November 2022 13:00 (10 minutes)

Presenter: RAFFELT, Georg (MPP)