

Session Program

23-28 Aug 2021



The XXVIII International Conference on Supersymmetry and Unification of Fundamental Interactions (SUSY 2021)

Grand Unified Theories

Tuesday 24 August

20:00

Grand Unified Theories

Session | Location: ZR1 | Convener: Nobuchika Okada

20:00–20:20 **Minimal SU(5) Unification**

Speaker
shaikh saad

20:20–20:40 **$SU(5) \times U(1)_{PQ}$ Majoron-axion model**

Speaker
Digesh Raut

20:40–21:00 **An asymptotically safe SU(5) GUT**

Speaker
Dr Alberto Tonero

21:00–21:20 **Light Pseudo-Goldstone Higgs from SUSY SO(10) GUT**

Speaker
Zurab Tavartkiladze

21:20–21:40 **Viable Full Unification of the Standard Model into E_8**

Speaker
Francisco J. de Anda N.

21:40–22:00

Nucleon decay fingerprints from SUSY GUT models (using SusyTCProton)

Speaker
Dr Vasja Susič

22:00

22:30

Grand Unified Theories

Session | Location: ZR2 | Convener: Ilia Gogoladze

22:30–22:50 **Pseudo-Goldstone Dark Matter in SO(10)**

Speaker
Digesh Raut

22:50–23:10

Supersymmetric grand unified theories with Higgsino-like neutralino dark matter and its implication to the proton decay search at the Hyper-Kamiokande

Speaker
Nobuchika Okada

23:10–23:30

The Standard Model and Dark Matter in Structures of Generalised Proper Time

Speaker
Dr David Jackson

23:30

Wednesday 25 August

16:00

Grand Unified Theories

Session | Location: ZR2 | Convener: Fei Wang

16:00–16:20

Some phenomenological aspects of 6D SUSY SO(10) with magnetic flux

Speaker

Ketan Patel

16:20–16:40

A high-quality axion from the non-minimal SU(6) GUT

Speaker

Dr NING CHEN

16:40–17:00

Perturbativity aspects of the minimal SO(10) Higgs model

Speaker

Dr Michal Malinský

17:00–17:20

Towards the minimal non-supersymmetric E6 GUT

Speaker

Borut Bajc

17:20–17:40

Neutron-antineutron oscillation as a probe of baryogenesis

Speaker

Kare Fridell

18:00