

Friday 10 October

09:45

Morning talks: Talks Location: Institut de Física d'Altes Energies (IFAE), Aula Magna, Campus UAB, Facultat Ciencies Nord, 08193 Bellaterra, Barcelona 09:45-09:54 From Higgs to di-Higgs to tri-Higgs Speaker Gabriel Oliveira Corrêa The trichotomy of primordial black holes initial conditions 09:54-10:03 Speaker Laia Montellà 10:03-10:12 Electrons at LHCb: how to identify them? Speaker **Ernest Olivart** 10:12-10:21 Red stars, green planets? Exploring habitability around active stars Speaker Julien Poyatos 10:21-10:30 Neutral and charged pion form factors in the intermediate energy region from double dilaton HQCD model Speaker Héctor Cancio Andel **Quantum Transparency of Near-extremal Black Holes** 10:30-10:39 Speaker Stefano Trezzi 10:39-10:48 **Model Independent Searches for New Physics** Speaker Sanjay Rijal 10:48-10:57 The Denario Project: Modular Automation of Scientific Research with Multi-Agent Systems Speaker Pedro Tarancón Álvarez 10:57-11:06 Phenomenology of axion-meson mixing and scattering processes Speaker Noé Duarte González 11:06-11:15 Gravitational lensing of gravitational waves Speaker Helena Ubach Raya

11:15

12:00

Morning talks: More morning talks!

Session

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Charizard to charmonium: the de-evolution of quarkonia through pion emission

Speaker

Sandra Tomàs Valls

12:09-12:18 AGN outflows in dwarf galaxies using DESI

Speaker

Víctor Rodríguez Morales

Buchdahl's limit in theories with regular black holes

Speaker

Aitor Vicente-Cano

12:27-12:36

Exploring a Composite Dark Matter Model Using CONTUR and MadAnalysis5

Speaker

Clarisse Prat

12:36-12:45

CosmoHub a big data platform for Astro-Cosmo data exploration and analysis

Speaker

Jordi Delgado Mengual

12:45-12:54

Model Independence of the γZ Box in Parity-Violating ep Scattering

Speaker

Balma Duch

12:54-13:03

Detectability of Neutron Star Resonance effects

Speaker

Alberto Revilla

13:03-13:12

Dark energy reconstruction and crossing of the phantom divide

Speaker

Alex González Fuentes

13:12-13:21

The ATLAS High-Granularity Timing Detector for the HL-LHC

Speaker

Issam Youbi

13:30