

IRCHEP 1401

Iranian Conference on High Energy Physics

Deciphering the Universe Ciphers

31 Oct-2 November, 2022 (9-11 Aban, 1401)

IRCHEP 1401 is the second conference in the series on high energy physics to be held from 31 of October to November 2nd, 2022. The conference gathers experts in high energy physics, phenomenology, theory, and cosmology to discuss recent advances and important developments in the field. IRCHEP 1401 will be held online. The talks are all by invitation.

Topics

- 1) Dark Matter
- 2) Neutrino Physics
- 3) Baryogenesis
- 4) Cosmological Tensions & Beyond FLRW Cosmology
- 5) Primordial Black Holes
- 6) Boundary Symmetries and Algebras
- 7) Accelerated Expansion and String Theory
- 8) Gravitational Waves and Memories and their Detection
- 9) Black Hole Physics

Web: <http://physics.ipm.ac.ir/conferences/irchep1401/index.jsp>

Plenary Speakers

- * Glenn Barnich (Brussels U., PTM)
- * Wilfred Buchmuller (DESY)
- * Michele Cicoli (Bologna U.)
- * Carlos Herdeiro (Aveiro U.)
- * Paul Lasky (Melbourne U.)
- * Eoin O Colgain (Sogang U.)
- * Hitoshi Murayama (Berkeley & IPMU)
- * Antonio Riotto (Geneva U.)
- * Mariam Tortola (Valencia U., IFIC)
- * Piere Ullio (SISSA)

Organizers

- * M. Alishahiha
- * A. Ashoorioon
- * Y. Farzan
- * M.M. Sheikh-Jabbari

