

SATURNALIA '22

DARK TOPICS FOR THE LONGEST NIGHTS



16-22 DECEMBER 2022

FRI 16TH (16:30) — TOMÁS G. O'SHEA (CAPA)
SEARCHING FOR DARK PHOTONS WITH IAXO

MON 19TH (12:00) — JAIME RUZ (CAPA)
USING X-RAY OPTICS FOR NUCLEAR PHYSICS APPLICATIONS

MON 19TH (13:00) — ALFREDO GUERRERA (INFN, PADUA)
ALP PRODUCTION IN WEAK MESONIC DECAYS

TUE 20TH (12:00) — YIKUN GU (HAMBURG U./DESY)
SEARCHING FOR ALPS-PHOTON CONVERSION ON FIBER INTERFEROMETER

TUE 20TH (13:00) — DANIEL JIMÉNEZ-AGUILAR (BASQUE U.)
PARAMETRIC RESONANCES IN DOMAIN WALLS AND COSMIC STRINGS

TUE 20TH (16:30) — JACOBO ASOREY (MADRID U.)
COSMOLOGY FROM SKA OBSERVATORY PATHFINDERS

TUE 20TH (17:30) — DIEGO SÁEZ-CHILLON GÓMEZ (VALLADOLID U.)

FORMATION OF SHADOWS AROUND COMPACT OBJECTS AS OBSERVATIONAL PROOFS OF NEW GRAVITATIONAL PHYSICS

WED 21ST (12:00) — ROSA M. SANDA SEOANE (IFT, MADRID)

MACHINE-LEARNED EXCLUSION LIMITS WITHOUT BINNING

WED 21ST (13:00) — JORGE ALDA (CAPA)
FLAVOUR PHYSICS WITH MACHINE LEARNING

WED 21ST (16:30) — PABLO QUÍLEZ (DESY)
AUTOMATIC NELSON-BARR FROM GAUGED FLAVOR AND ALP SEARCHES AT FASER

THU 22ND (11:00) — DIEGO BLAS (IFAE, BARCELONA)
OVER THE RAINBOW... OF GRAVITATIONAL WAVES

THU 22ND (12:00) — JAVIER RELANCIO (BURGOS U.)
DOUBLY SPECIAL RELATIVITY AS A ROAD TO QUANTUM GRAVITY

Organisation: Jorge Alda, Mathieu Kaltschmidt, Siannah Peñaranda & Javier Redondo



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