

# **The Paris Saclay AstroParticle Symposium 2021**

## **Report of Contributions**

Contribution ID: 1

Type: **not specified**

## **Beer and chips**

Contribution ID: 2

Type: **not specified**

## **Beer and chips**

*Tuesday, November 9, 2021 6:30 PM (1 hour)*

Contribution ID: 3

Type: **not specified**

## **Oleg Lebedev : Collective effects on dark matter production**

*Tuesday, November 2, 2021 1:30 PM (30 minutes)*

**Session Classification:** Conference day

Contribution ID: 4

Type: **not specified**

## **Mathias Pierre :**

*Tuesday, November 2, 2021 2:30 PM (30 minutes)*

**Session Classification:** Conference day

Contribution ID: 5

Type: **not specified**

## **Jeremie Quevillon : Axion effective action**

*Tuesday, November 2, 2021 3:00 PM (30 minutes)*

**Session Classification:** Conference day

Contribution ID: 6

Type: **not specified**

## **John Ellis : Flipped g-2 and dark matter**

*Tuesday, November 2, 2021 4:00 PM (30 minutes)*

**Session Classification:** Conference day

Contribution ID: 7

Type: **not specified**

## **J. Cembranos : Structures of ultralight coherent dark matter**

*Tuesday, November 2, 2021 4:30 PM (30 minutes)*

**Session Classification:** Conference day

Contribution ID: **8**

Type: **not specified**

## **Hyun Min Lee : Self resonant dark matter**

*Tuesday, November 9, 2021 1:30 PM (30 minutes)*

**Session Classification:** Conference day

Contribution ID: 9

Type: **not specified**

## **T. Hambye : The domain of thermal dark matter**

*Tuesday, November 9, 2021 2:00 PM (30 minutes)*

**Presenter:** HAMBYE, Thomas (ULB)

**Session Classification:** Conference day

Contribution ID: **10**

Type: **not specified**

## **Lucien Heurtier : Cosmological Stasis**

*Tuesday, November 9, 2021 2:30 PM (30 minutes)*

**Presenter:** HEURTIER, Lucien (IPPP, Durham, England)

**Session Classification:** Conference day

Contribution ID: 11

Type: **not specified**

## **G. Belanger : Hidden WIMPs**

*Tuesday, November 9, 2021 4:00 PM (30 minutes)*

**Session Classification:** Conference day

Contribution ID: 12

Type: **not specified**

## **Justin Khoury : Dark Matter Superfluidity**

*Tuesday, November 9, 2021 4:30 PM (30 minutes)*

**Presenter:** KHOURY, Justin (University of Pennsylvania)

**Session Classification:** Conference day

Contribution ID: 13

Type: **not specified**

## **Acceleration mechanisms and source candidates**

**Presenter:** Mr LEMOINE, Martin (CNRS)

**Session Classification:** Discussion

Contribution ID: 14

Type: **not specified**

## **G. Zaharijas : Looking for dark matter in gamma rays - can machine learning help?**

*Tuesday, November 9, 2021 5:00 PM (30 minutes)*

**Presenter:** ZAHARIJAS, Gabrijela (University of Nova Gorica)

**Session Classification:** Conference day

Contribution ID: 15

Type: **not specified**

## **Justin Khoury : Dark Matter Superfluidity**

**Session Classification:** Conference day

Contribution ID: 16

Type: **not specified**

## **Multi-messenger emission from active galactic nuclei**

*Tuesday, November 16, 2021 10:00 AM (30 minutes)*

**Presenter:** INOUE, Susumu (RIKEN / Bunkyo U.)

**Session Classification:** Conference day

Contribution ID: 17

Type: **not specified**

## **FRB + magnetar counterparts with INTEGRAL**

*Tuesday, November 16, 2021 10:30 AM (30 minutes)*

**Presenter:** GÖTZ, Diego (CEA Saclay - Irfu/DAp)

**Session Classification:** Conference day

Contribution ID: **18**

Type: **not specified**

## **Properties of the population of Gamma Ray Bursts**

*Tuesday, November 16, 2021 11:30 AM (30 minutes)*

**Presenter:** GHIRLANDA, Giancarlo (INAF-OA Brera)

**Session Classification:** Conference day

Contribution ID: 19

Type: **not specified**

## **Fitting GRB prompt emission spectra with an internal shock model**

**Presenter:** PIRON, Frederic (CNRS/IN2P3/LUPM)

**Session Classification:** Conference day

Contribution ID: 20

Type: **not specified**

## **Spectral index-flux relation for investigating the origins of steep decay in $\gamma$ -ray bursts**

*Tuesday, November 16, 2021 12:30 PM (20 minutes)*

**Presenter:** RONCHINI, Samuele (Gran Sasso Science Institute)

**Session Classification:** Conference day

Contribution ID: 21

Type: **not specified**

## **A Tale of Two Distance Indicators**

*Tuesday, November 16, 2021 5:10 PM (20 minutes)*

**Presenter:** HAZRA, Nandini (Gran Sasso Science Institute and INAF OAb)

**Session Classification:** Conference day

Contribution ID: 22

Type: **not specified**

## **Very high energy emission searches from gamma-ray bursts with Cherenkov telescopes**

*Tuesday, November 16, 2021 2:00 PM (30 minutes)*

**Presenter:** BERTI, Alessio (Max Planck Institute for Physics)

**Session Classification:** Conference day

Contribution ID: 23

Type: **not specified**

## **Interpreting VHE emission of GRBs (tbc)**

*Tuesday, November 16, 2021 2:30 PM (30 minutes)*

**Presenter:** NAVA, Lara (INAF)

**Session Classification:** Conference day

Contribution ID: 24

Type: **not specified**

## **Cosmology with Gamma-Ray Bursts: status and perspectives**

*Tuesday, November 16, 2021 9:30 AM (30 minutes)*

**Presenter:** AMATI, Lorenzo (INAF - OAS Bologna)

**Session Classification:** Conference day

Contribution ID: 25

Type: **not specified**

## **Refined analysis of GW170817's off-axis afterglow observation and flux predictions at higher energies**

*Tuesday, November 16, 2021 4:30 PM (20 minutes)*

**Presenter:** PELLOUIN, Clément (Institut d'Astrophysique de Paris)

**Session Classification:** Conference day

Contribution ID: 26

Type: **not specified**

## **Muons production and neutrino trapping in Binary Neutron Star Mergers**

*Tuesday, November 16, 2021 4:50 PM (20 minutes)*

**Presenter:** LOFFREDO, Eleonora (Gran Sasso Science Institute and INFN)

**Session Classification:** Conference day

Contribution ID: 27

Type: **not specified**

## **VHE gamma-ray counterparts to GWs**

*Tuesday, November 16, 2021 3:20 PM (30 minutes)*

**Presenter:** STAMERRA, Antonio (INAF-OAR and SNS-Pisa)

**Session Classification:** Conference day

Contribution ID: 28

Type: **not specified**

## **High-energy counterparts of compact binary mergers detected with the Einstein Telescope**

*Tuesday, November 16, 2021 5:30 PM (20 minutes)*

**Presenter:** RONCHINI, Samuele (Gran Sasso Science Institute)

**Session Classification:** Conference day

Contribution ID: 29

Type: **not specified**

## **The first large size telescope of CTA : status, first observations and future prospects**

*Tuesday, November 16, 2021 3:00 PM (20 minutes)*

**Presenter:** SANCHEZ, david (LAPP/IN2P3/CNRS)

**Session Classification:** Conference day

Contribution ID: 30

Type: **not specified**

## **A. Arbey : Light primordial black holes, dark matter and Hawking radiation**

*Tuesday, November 2, 2021 5:00 PM (30 minutes)*

**Session Classification:** Conference day

Contribution ID: 31

Type: **not specified**

## **A. Gupta : Seesaw determination of dark matter relic density**

*Tuesday, November 9, 2021 5:30 PM (30 minutes)*

**Presenter:** GUPTA, Aritra (Universite Libre de Bruxelles)

**Session Classification:** Conference day

Contribution ID: 32

Type: **not specified**

## **Characterization of the GeV emission from the Kepler supernova remnant**

*Tuesday, October 19, 2021 10:15 AM (20 minutes)*

**Presenter:** Dr ACERO, Fabio (AIM, CEA, CNRS, Universite Paris-Saclay, Universite Paris)

**Session Classification:** Conference day

Contribution ID: 33

Type: **not specified**

## **Evidence of 100 TeV $\gamma$ -ray emission from HESS J1702-420: A new PeVatron candidate**

*Tuesday, October 19, 2021 10:35 AM (20 minutes)*

**Presenter:** GIUNTI, Luca

**Session Classification:** Conference day

Contribution ID: **34**

Type: **not specified**

## **On the origin of cosmic-ray leptons in the Galaxy**

*Tuesday, October 19, 2021 11:15 AM (20 minutes)*

**Presenter:** Dr EVOLI, Carmelo (Gran Sasso Science Institute and INFN)

**Session Classification:** Conference day

Contribution ID: 35

Type: **not specified**

## **Contribution of nearby hidden sources to the cosmic ray all-electron spectrum (remote speaker)**

*Tuesday, October 19, 2021 10:55 AM (20 minutes)*

**Presenter:** LOPEZ COTO, Ruben (INFN-Padova)

**Session Classification:** Conference day

Contribution ID: 36

Type: **not specified**

## **Probing cosmic-ray distribution around Cygnus OB2**

*Tuesday, October 19, 2021 11:35 AM (20 minutes)*

**Presenter:** MENCHIARI, Stefano (University of Siena)

**Session Classification:** Conference day

Contribution ID: 37

Type: **not specified**

## **Turbulence level dependent investigation of the cosmic ray diffusion coefficient**

*Tuesday, October 19, 2021 11:55 AM (20 minutes)*

**Presenter:** SCHLEGEL, Leander (Ruhr-Universität Bochum)

**Session Classification:** Conference day

Contribution ID: **38**

Type: **not specified**

## **Regimes of cosmic-ray diffusion in Galactic turbulence**

*Tuesday, October 19, 2021 12:15 PM (20 minutes)*

**Presenter:** REICHERZER, Patrick (Ruhr-Universität Bochum (RUB))

**Session Classification:** Conference day

Contribution ID: 39

Type: **not specified**

## **Transport of charged particles propagating in turbulent magnetic fields as a red-noise process**

*Tuesday, October 19, 2021 2:00 PM (20 minutes)*

**Presenter:** DELIGNY, olivier

**Session Classification:** Conference day

Contribution ID: 40

Type: **not specified**

## **Implications of the Lithium to Oxygen data from AMS-02 on our understanding cosmic-ray propagation**

*Tuesday, October 19, 2021 2:20 PM (20 minutes)*

**Presenter:** KORSMEIER, Michael (Oskar Klein Centre)

**Session Classification:** Conference day

Contribution ID: 41

Type: **not specified**

## **The role of cross sections in the evaluation of cosmic-ray propagation**

*Tuesday, October 19, 2021 2:40 PM (20 minutes)*

**Presenter:** DE LA TORRE LUQUE, Pedro (Stockholm University)

**Session Classification:** Conference day

Contribution ID: 42

Type: **not specified**

## **Explaining the AMS-02 measurements of intermediate-mass cosmic-ray nuclei**

*Tuesday, October 19, 2021 3:00 PM (20 minutes)*

**Presenter:** SCHROER, Benedikt (Gran Sasso Science Institute)

**Session Classification:** Conference day

Contribution ID: 43

Type: **not specified**

## **Theoretical interpretation of the TeV-PeV cosmic-ray anisotropy (remote speaker)**

*Tuesday, October 19, 2021 3:20 PM (20 minutes)*

**Presenter:** GIACINTI, Gwenael (MPIK Heidelberg)

**Session Classification:** Conference day

Contribution ID: 44

Type: **not specified**

## **Cosmic Ray Anisotropy with the IceCube Observatory (remote speaker)**

*Tuesday, October 19, 2021 3:40 PM (20 minutes)*

**Presenter:** DESIATI, Paolo (University of Wisconsin - Madison)

**Session Classification:** Conference day

Contribution ID: 45

Type: **not specified**

## **Full-Sky Cosmic-Ray Anisotropy at 10 TeV (remote speaker)**

*Tuesday, October 19, 2021 4:00 PM (20 minutes)*

**Presenter:** DIAZ VELEZ BERGHOUSE, Juan Carlos (University of Wisconsin–Madison)

**Session Classification:** Conference day

Contribution ID: 46

Type: **not specified**

## **Particle acceleration theory and simulations (remote speaker)**

*Monday, October 18, 2021 3:00 PM (1 hour)*

**Presenter:** CAPRIOLI, Damiano

**Session Classification:** Discussion

Contribution ID: 47

Type: **not specified**

## Particle acceleration in supernovae

*Wednesday, October 20, 2021 11:00 AM (30 minutes)*

**Presenter:** CRISTOFARI, Pierre (Observatoire de Paris)

**Session Classification:** Discussion

Contribution ID: 48

Type: **not specified**

## **Particle acceleration in winds of star clusters**

*Wednesday, October 20, 2021 11:30 AM (30 minutes)*

**Presenter:** MORLINO, Giovanni

**Session Classification:** Discussion

Contribution ID: 49

Type: **not specified**

## **Particle acceleration in supernova remnants**

*Wednesday, October 20, 2021 12:00 PM (30 minutes)*

**Presenter:** BALLET, Jean (AIM, CEA Saclay)

**Session Classification:** Discussion

Contribution ID: 50

Type: **not specified**

## **Particle acceleration in pulsar wind nebulae (remote speaker)**

*Thursday, October 21, 2021 11:00 AM (45 minutes)*

**Presenter:** AMATO, Elena (INAF - Osservatorio Astrofisico di Arcetri)

**Session Classification:** Discussion

Contribution ID: 51

Type: **not specified**

## Halos around PWNe

*Thursday, October 21, 2021 11:45 AM (45 minutes)*

**Presenter:** MARTIN, Pierrick (CNRS/IRAP)

**Session Classification:** Discussion

Contribution ID: 52

Type: **not specified**

## **Cosmi ray anisotropies and composition**

*Friday, October 22, 2021 11:00 AM (45 minutes)*

**Presenter:** AHLERS, markus (Niels Bohr Institute)

**Session Classification:** Discussion

Contribution ID: 53

Type: **not specified**

## **The origin of Galactic CR as revealed by their composition**

*Friday, October 22, 2021 11:45 AM (45 minutes)*

**Presenter:** TATISCHEFF, Vincent (IJCLab)

**Session Classification:** Discussion

Contribution ID: 54

Type: **not specified**

## **Diffuse flux of ultra-high energy photons from cosmic-ray interactions in the disk of the Galaxy and implications for the search for decaying super-heavy dark matter**

*Tuesday, October 26, 2021 4:30 PM (20 minutes)*

**Presenter:** Mrs TORRÈS, Zoé (CNRS/IN2P3 – LPSC)

Contribution ID: 55

Type: **not specified**

## **Grounded tests of neutrino physics with high- and ultra-high-energy cosmic neutrinos**

*Tuesday, October 26, 2021 4:50 PM (20 minutes)*

**Presenter:** Mr BUSTAMANTE, Mauricio (Niels Bohr Institute – Danmark)

Contribution ID: 56

Type: **not specified**

## **UHE neutrino-nucleon cross section from IceCube-Gen2**

*Tuesday, October 26, 2021 5:10 PM (20 minutes)*

**Presenter:** Mr BRANCO VALERA BACA, Victor (Niels Bohr Institute – Danmark)

Contribution ID: 57

Type: **not specified**

## **ANITA anomalous events**

*Tuesday, October 26, 2021 5:30 PM (20 minutes)*

**Presenter:** Mr BEATTY, James (Ohio State University)

Contribution ID: 58

Type: **not specified**

## **Searches for upgoing EAS at the Pierre Auger Observatory**

*Tuesday, October 26, 2021 5:50 PM (20 minutes)*

**Presenter:** Mr PERRONE, Lorenzo (INFN – Lecce University)

Contribution ID: 59

Type: **not specified**

## **A dark matter interpretation of the ANITA anomalous events**

*Tuesday, October 26, 2021 6:10 PM (20 minutes)*

**Presenter:** Mr HEURTIER, Lucien (Durham University)

Contribution ID: **60**

Type: **not specified**

## **Other interpretations of the ANITA anomalous events**

Contribution ID: **61**

Type: **not specified**

## **AugerPrime Radio Detector and radio interferometry for Xmax measurements in the future**

*Tuesday, October 26, 2021 10:40 AM (20 minutes)*

**Presenter:** Mr HUEGE, Tim (KIT)

Contribution ID: **62**

Type: **not specified**

## **The GRAND project**

*Tuesday, October 26, 2021 10:00 AM (20 minutes)*

**Presenter:** Mrs KOTERA, Kumiko (IAP – France)

Contribution ID: **63**

Type: **not specified**

## **Radio Morphing, a fast tool to simulate radio emission in EAS**

*Tuesday, October 26, 2021 10:20 AM (20 minutes)*

**Presenter:** Mr CHICHE, Simon (IAP – France)

Contribution ID: **64**

Type: **not specified**

## **The Global Cosmic Ray Observatory**

*Tuesday, October 26, 2021 11:00 AM (20 minutes)*

**Presenter:** Mrs MARIS, Ioana (ULB – Belgium)

Contribution ID: 65

Type: **not specified**

# The Radar Echo Telescope for Neutrinos and Cosmic Rays

*Tuesday, October 26, 2021 11:20 AM (20 minutes)*

**Presenter:** Mr DE VRIES, Krijn

Contribution ID: **66**

Type: **not specified**

**placeholder**

Contribution ID: 67

Type: **not specified**

# **Charged Particle Astronomy: Challenges and Opportunities**

*Tuesday, October 26, 2021 12:00 PM (30 minutes)*

**Presenter:** Mr UNGER, Michael (KIT)

Contribution ID: **68**

Type: **not specified**

## **Connection between UHECRs and astrophysical neutrinos in astrophysical source models**

*Tuesday, October 26, 2021 2:00 PM (30 minutes)*

**Presenter:** Mr WINTER, Walter (DESY)

Contribution ID: **69**

Type: **not specified**

## **Acceleration of UHECRs in AGN jets**

*Tuesday, October 26, 2021 11:40 AM (20 minutes)*

**Presenter:** Mrs ARAUDO, Anabella (Astronomical Institute of the Czech Academy of Sciences)

Contribution ID: 70

Type: **not specified**

## **Hadronic interactions in blazars as origin of VHE cosmic messengers**

*Tuesday, October 26, 2021 2:30 PM (20 minutes)*

**Presenter:** Mr ROSALES DE LEON, Alberto (Durham University)

Contribution ID: 71

Type: **not specified**

## **Starburst Galaxies as possible sources of UHECRs and neutrinos**

*Tuesday, October 26, 2021 3:10 PM (20 minutes)*

**Presenter:** Mr CONDORELLI, Antonio (IJCLab – Orsay)

Contribution ID: 72

Type: **not specified**

## **SFR as a tracer of UHECRs?**

*Tuesday, October 26, 2021 3:30 PM (15 minutes)*

**Presenter:** Mr MARAFICO, Sullivan (IJCLab – Orsay)

Contribution ID: 73

Type: **not specified**

## **Possible implications of the combined fit of the Auger energy spectrum and mass-composition data down to $10^{17.5}$ eV**

*Tuesday, October 26, 2021 3:45 PM (15 minutes)*

**Presenter:** Mr LUCE, Quentin (KIT – Germany)

Contribution ID: 74

Type: **not specified**

## **Giulia Isabella : On-shell effective theory for higher spin dark matter**

*Tuesday, November 2, 2021 5:30 PM (30 minutes)*

**Session Classification:** Conference day

Contribution ID: 75

Type: **not specified**

## **Fazlollah Hajkarim : Production of Hot Axions in the Early Universe**

*Tuesday, November 9, 2021 3:00 PM (30 minutes)*

**Presenter:** HAJKARIM, Fazlollah (University of Padova, INFN)

**Session Classification:** Conference day

Contribution ID: 76

Type: **not specified**

## **The status of primordial Black Holes as Dark Matter in the view of LIGO/Virgo gravitational-wave observations**

*Tuesday, November 23, 2021 2:30 PM (30 minutes)*

**Presenter:** CLESSE, Sebastien (ULB)

**Session Classification:** Conference day

Contribution ID: 77

Type: **not specified**

## **Integrals in the Soft Region, the Gravity Eikonal and Radiation**

*Tuesday, November 23, 2021 2:00 PM (30 minutes)*

**Presenter:** HEISSENBERG, Carlo

**Session Classification:** Conference day

Contribution ID: 78

Type: **not specified**

## **A method to extract classical gravity from scattering amplitudes**

*Tuesday, November 23, 2021 3:00 PM (30 minutes)*

**Presenter:** Dr PLANTE, Ludovic (ludo.plan@hotmail.fr)

**Session Classification:** Conference day

Contribution ID: 79

Type: **not specified**

## **Puzzles at the 3rd post-Minkowskian order**

*Tuesday, November 23, 2021 10:00 AM (30 minutes)*

**Presenter:** Prof. VENEZIANO, Gabriele

**Session Classification:** Conference day

Contribution ID: **80**

Type: **not specified**

## **Gravitational waves and the eikonal operator**

*Tuesday, November 23, 2021 11:30 AM (30 minutes)*

**Presenter:** RUSSO, Rodolfo (Queen Mary University of London)

**Session Classification:** Conference day

Contribution ID: **81**

Type: **not specified**

## **Disforming the Kerr metric**

*Tuesday, November 23, 2021 10:30 AM (30 minutes)*

**Presenter:** BABICHEV, Eugeny (IJCLab)

**Session Classification:** Conference day

Contribution ID: **82**

Type: **not specified**

## **Searching for scalars in spinning binaries**

*Tuesday, November 23, 2021 11:00 AM (30 minutes)*

**Presenter:** WONG, Leong Khim (IPhT Saclay)

**Session Classification:** Conference day

Contribution ID: **83**

Type: **not specified**

## **Scalar-Tensor Theory to one-and-a-half post-Newtonian order**

*Tuesday, November 23, 2021 4:30 PM (20 minutes)*

**Presenter:** TRESTINI, David

**Session Classification:** Conference day

Contribution ID: 84

Type: **not specified**

## **Cross-correlating Stochastic Gravitational-Wave Backgrounds with the Cosmic Microwave Background**

*Tuesday, November 23, 2021 4:50 PM (20 minutes)*

**Presenter:** VALBUSA DALL'ARMI, Lorenzo

**Session Classification:** Conference day

Contribution ID: 85

Type: **not specified**

## **Clustering of Gravitational Wave events in Luminosity Distance Space**

*Tuesday, November 23, 2021 5:10 PM (20 minutes)*

**Presenter:** LIBANORE, Sarah

**Session Classification:** Conference day

Contribution ID: 86

Type: **not specified**

# **Turbulent production of polarized gravitational radiation from primordial helical magnetic fields**

*Tuesday, November 23, 2021 3:30 PM (30 minutes)*

**Presenter:** ROPER POL, Alberto

**Session Classification:** Conference day

Contribution ID: **87**

Type: **not specified**

## **Marcos Garcia : freeze in from reheating**

*Tuesday, November 2, 2021 2:00 PM (30 minutes)*

**Session Classification:** Conference day

Contribution ID: **88**

Type: **not specified**

## **Neutrino Target of Opportunity program for the Cherenkov Telescope Array**

*Tuesday, October 26, 2021 2:50 PM (20 minutes)*

**Presenter:** Mrs SATALECKA, Konstancja (DESY – Germany)

Contribution ID: **89**

Type: **not specified**

## **Perspectives in Astroparticle Physics**

*Thursday, October 28, 2021 2:00 PM (1h 30m)*

**Presenter:** HAUNGS, Andreas (Karlsruhe Institute of Technology)

**Session Classification:** Colloquium

Contribution ID: **90**

Type: **not specified**

## **The current-type source quadrupole moment for binary systems at the third post-Newtonian order**

*Tuesday, November 23, 2021 12:00 PM (30 minutes)*

**Presenter:** FAYE, Guillaume

**Session Classification:** Conference day

Contribution ID: **91**

Type: **not specified**

## **GRBs: prompt emission**

*Tuesday, November 16, 2021 12:00 PM (30 minutes)*

**Presenter:** DAIGNE, Frédéric (Institut d'Astrophysique de Paris - Sorbonne University)

**Session Classification:** Conference day

Contribution ID: 92

Type: **not specified**

## **Discussion: Hadronic interactions in EAS**

*Thursday, October 28, 2021 11:00 AM (2 hours)*

**Presenter:** Mr ENGEL, Ralph (KIT)

Contribution ID: 93

Type: **not specified**

## **Discussion (From UHECR and multi-messenger Observables to Sources)**

*Friday, October 29, 2021 11:00 AM (2 hours)*

**Presenter:** Mrs OIKONOMOU, Denise Boncioli & Mme Foteini

Contribution ID: 94

Type: **not specified**

## **Discussion (Acceleration mechanisms and source candidates)**

*Wednesday, October 27, 2021 11:00 AM (2 hours)*

**Presenter:** Mr LEMOINE, Martin (lemoine@iap.fr)

Contribution ID: 95

Type: **not specified**

## **Discussion (UHECR state-of-the-art)**

*Monday, October 25, 2021 2:00 PM (2 hours)*

**Presenter:** Mr LIPARI, Paolo

Contribution ID: 98

Type: **not specified**

## **Donald Khpatcha : Long-lived particles at the LHC, dark matter and muon $g-2$**

*Tuesday, November 9, 2021 6:00 PM (30 minutes)*

**Session Classification:** Conference day

Contribution ID: **99**

Type: **not specified**

## **Three-body effects in waveforms**

*Tuesday, November 23, 2021 5:30 PM (20 minutes)*

**Presenter:** Dr KUNTZ, Adrien

**Session Classification:** Conference day

Contribution ID: **100**

Type: **not specified**

## **Contribution : Cirelli**

*Monday, November 8, 2021 2:30 PM (1 hour)*

**Presenter:** Mr CIRELLI, Marco (LPTHE, CNRS & Sorbonne U, Paris, France)

**Session Classification:** Discussion

Contribution ID: **101**

Type: **not specified**

## **Contribution : Galloway**

*Monday, November 8, 2021 4:00 PM (1 hour)*

**Presenter:** GALLOWAY, Michelle (University of Zurich)

**Session Classification:** Discussion

Contribution ID: **102**

Type: **not specified**

## **John Ellis colloquium : Searching for ultra light dark matter and gravitational waves with atom interferometers**

*Wednesday, November 3, 2021 2:00 PM (1h 30m)*

**Session Classification:** Colloquium

Contribution ID: **103**

Type: **not specified**

## **Discussion : PBH as Dark Matter**

*Wednesday, November 3, 2021 4:00 PM (1h 30m)*

**Session Classification:** Discussion

Contribution ID: **104**

Type: **not specified**

## **Discussion : Felcini : Dark Matter at LHC**

*Wednesday, November 10, 2021 3:00 PM (1 hour)*

**Presenter:** FELCINI, Marta (University College Dublin (IE), School of Physics)

**Session Classification:** Discussion

Contribution ID: **105**

Type: **not specified**

## **Colloquium : G.Bertone : European Astrophysics**

*Wednesday, November 10, 2021 2:00 PM (1 hour)*

**Presenter:** BERTONE, Gianfranco

**Session Classification:** Colloquium

Contribution ID: **106**

Type: **not specified**

## **Discussion: Alternativesto WIMP scenario (J. Quevillon, J. Cembranos)**

*Friday, November 5, 2021 3:00 PM (1 hour)*

**Presenters:** RUIZ CEMBRANOS, Jose (Complutense University, Madrid); QUEVILLON, Jérémie (LPSC (CNRS))

**Session Classification:** Discussion

Contribution ID: **107**

Type: **not specified**

## **Colloquium W. Hofmann - CTA**

*Thursday, November 25, 2021 2:00 PM (2 hours)*

**Presenter:** Prof. HOFMANN, Werner (MPIK)

**Session Classification:** Colloquium