

# **IX CPAN DAYS**

## **Report of Contributions**

Contribution ID : **103**

Type : **not specified**

## **Evidence for the standard model production of a Z boson with a single top quark in pp collisions at $\sqrt{s}=13$ TeV**

*Monday, 23 October 2017 16:20 (20)*

### **Summary**

**Presenter(s)** : BARRIO LUNA, Mar (CIEMAT)

**Session Classification** : Red Temática de Física del LHC

Contribution ID : **104**

Type : **not specified**

## **Probing the $Wtb$ vertex structure in quark production and decay with the ATLAS detector**

*Monday, 23 October 2017 16:40 (20)*

### **Summary**

**Presenter(s)** : ESCOBAR, Carlos (IFIC (CSIC-UV/EG))

**Session Classification** : Red Temática de Física del LHC

Contribution ID : **105**

Type : **not specified**

## **Left-Right symmetry: LFV and LHC signals**

*Monday, 23 October 2017 15:40 (20)*

### **Summary**

**Presenter(s)** : Mrs. MURGUI GALVEZ, Clara (IFIC)

**Session Classification** : Red Temática de Física del LHC

Contribution ID : **106**

Type : **not specified**

## **Charged Lepton Flavour Violating Phenomenology induced by Majorana massive neutrinos**

*Monday, 23 October 2017 16:00 (20)*

### **Summary**

**Presenter(s)** : SCARCELLA, Francesca (IFT (UAM-CSIC))

**Session Classification** : Red Temática de Física del LHC

Contribution ID : **107**

Type : **not specified**

## **Electric Dipole Moments / Magnetic Dipole Moments at the LHC**

*Monday, 23 October 2017 15:20 (20)*

### **Summary**

**Presenter(s)** : MARTINEZ-VIDAL, Fernando (IFIC, University of Valencia-CSIC)

**Session Classification** : Red Temática de Física del LHC

Contribution ID : **108**

Type : **not specified**

## **Radiatives B decays” by ”Rare decays**

*Monday, 23 October 2017 15:00 (20)*

### **Summary**

**Presenter(s)** : COQUERAU, Samuel (UB)

**Session Classification** : Red Temática de Física del LHC

Contribution ID : **109**

Type : **not specified**

## **Recast of SUSY searches in ATLAS & CMS for global fits**

*Monday, 23 October 2017 17:30 (20)*

### **Summary**

**Presenter(s)** : SUÁREZ, Isabel (U. Santiago)

**Session Classification** : Red Temática de Física del LHC



Contribution ID : **110**

Type : **not specified**

## **Searches for BSM physics in the 2 leptons y MET final state**

*Monday, 23 October 2017 17:50 (20)*

### **Summary**

**Presenter(s)** : Dr. MARTINEZ RUIZ DEL ARBOL, Pablo (ETH Zürich, Switzerland)

**Session Classification** : Red Temática de Física del LHC

Contribution ID : 111

Type : **not specified**

## **Search for additional heavy neutral Higgs and gauge bosons with LHC Run 2 data in the ditau final state with the ATLAS detector**

*Monday, 23 October 2017 18:10 (20)*

### **Summary**

**Presenter(s)** : BAILEY, Adam (IFIC/CSIC)

**Session Classification** : Red Temática de Física del LHC

Contribution ID : 112

Type : **not specified**

## **Universal corrections to the Higgs interactions**

*Monday, 23 October 2017 18:30 (20)*

### **Summary**

**Presenter(s)** : Mr. DRIENCOURT-MANGIN, Felix (IFIC, Valencia)

**Session Classification** : Red Temática de Física del LHC

Contribution ID : 113

Type : **not specified**

## **Search for Higgs boson production in association with top quarks at $\sqrt{s} = 13$ TeV**

*Monday, 23 October 2017 18:50 (20)*

### **Summary**

**Presenter(s)** : Dr. VISCHIA, Pietro (Universidad de Oviedo)

**Session Classification** : Red Temática de Física del LHC

Contribution ID : 114

Type : **not specified**

## **Constraining the neutralino and chargino sectors of the NMSSM at the LHC**

*Monday, 23 October 2017 19:10 (20)*

### **Summary**

**Presenter(s)** : MARTIN, Pablo (IFT (UAM-CSIC))

**Session Classification** : Red Temática de Física del LHC

Contribution ID : 115

Type : **not specified**

## **Searches for top and bottom squarks with the ATLAS experiment**

*Monday, 23 October 2017 19:30 (20)*

### **Summary**

**Presenter(s)** : Ms. RODRIGUEZ PEREZ, ANDREA (IFAE, CERN)

**Session Classification** : Red Temática de Física del LHC

Contribution ID : **116**

Type : **not specified**

## **Spanish contribution to the CMS upgrade**

*Tuesday, 24 October 2017 09:00 (20)*

### **Summary**

**Presenter(s)** : Dr. REDONDO FERNANDEZ, Ignacio (CIEMAT)

**Session Classification** : Red Temática de Física del LHC

Contribution ID : 117

Type : **not specified**

## Spain contribution to ATLAS ITk upgrade

*Tuesday, 24 October 2017 09:20 (20)*

### Summary

**Presenter(s)** : Prof. LOZANO, Manuel (IMB-CNM (CSIC))

**Session Classification** : Red Temática de Física del LHC



Contribution ID : **118**

Type : **not specified**

## **LHCb Upgrade Status report**

*Tuesday, 24 October 2017 09:40 (20)*

### **Summary**

**Presenter(s)** : MAZORRAS, Jose (IFIC)

**Session Classification** : Red Temática de Física del LHC

Contribution ID : **119**

Type : **not specified**

## **Global fits of the 2HDM with HEPfit**

*Tuesday, 24 October 2017 10:00 (20)*

### **Summary**

**Presenter(s)** : EBERHARDT, Otto (IFIC)

**Session Classification** : Red Temática de Física del LHC

Contribution ID : **120**

Type : **not specified**

## **B decay anomalies (B $\rightarrow$ D\* $\tau$ $\nu$ , etc...)**

*Tuesday, 24 October 2017 10:20 (20)*

### **Summary**

**Presenter(s)** : GARCIA PLANA, Beatriz (U. Santiago)

**Session Classification** : Red Temática de Física del LHC

Contribution ID : **121**

Type : **not specified**

## **Sterile Neutrinos and B-L Symmetry**

*Monday, 23 October 2017 15:00 (15)*

### **Summary**

**Presenter(s)** : Mrs. MURGUI GALVEZ, Clara (IFIC)

**Session Classification** : Física Teórica

Contribution ID : 122

Type : **not specified**

## **Flux-induced soft supersymmetry breaking terms in Type IIA compactifications with D6-branes**

*Monday, 23 October 2017 15:20 (15)*

### **Summary**

**Presenter(s)** : Mr. ESCOBAR, Dagoberto

**Session Classification** : Física Teórica

Contribution ID : 123

Type : **not specified**

## **Classical gravitational effects on massive scalar fields with self-interactions**

*Monday, 23 October 2017 15:40 (15)*

### **Summary**

**Presenter(s)** : ALBARETI, Franco D. (Instituto de Física Teórica UAM/CSIC)

**Session Classification** : Física Teórica

Contribution ID : 124

Type : **not specified**

## **Unimodular gravity versus general relativity**

*Monday, 23 October 2017 16:20 (15)*

### **Summary**

**Presenter(s)** : Mr. GONZÁLEZ MARTÍN, Sergio (Instituto de Física Teórica UAM/CSIC)

**Session Classification** : Física Teórica

Contribution ID : 125

Type : **not specified**

# Quenching the CME via the gravitational anomaly and holography

*Tuesday, 24 October 2017 09:00 (15)*

## Summary

**Presenter(s)** : Mr. MILANS DEL BOSCH, Guillermo (IFT UAM-CSIC)

**Session Classification** : Física Teórica



Contribution ID : 126

Type : **not specified**

## **First order quadratic gravity: A consistent UV completion?**

*Monday, 23 October 2017 17:30 (15)*

### **Summary**

**Presenter(s)** : SANTOS, Raquel (IFT UAM/CSIC)

**Session Classification** : Física Teórica

Contribution ID : 127

Type : **not specified**

## **Minimal Lepton Flavour Violation in Type-III See-saw**

*Tuesday, 24 October 2017 09:20 (15)*

### **Summary**

**Presenter(s)** : Mr. ROSA AGOSTINHO, Nuno (University of Barcelona)

**Session Classification** : Física Teórica

Contribution ID : **128**

Type : **not specified**

## **Anatomy of semi-hard processes at the LHC**

*Monday, 23 October 2017 17:50 (15)*

### **Summary**

**Presenter(s)**: Mr. CELIBERTO, Francesco Giovanni (Università della Calabria & INFN-Cosenza)

**Session Classification** : Física Teórica

Contribution ID : **129**

Type : **not specified**

## **Global Analysis of Neutrino Oscillation Data Circa Autumn 2017**

*Monday, 23 October 2017 18:10 (15)*

### **Summary**

**Presenter(s)** : Mr. ESTEBAN, Iván (Universitat de Barcelona)

**Session Classification** : Física Teórica

Contribution ID : **130**

Type : **not specified**

## **Why parametrize field theories?**

*Monday, 23 October 2017 18:30 (15)*

### **Summary**

**Presenter(s)** : Mr. MARGALEF, Juan (Universidad Carlos III de Madrid)

**Session Classification** : Física Teórica

Contribution ID : 131

Type : **not specified**

## **Probing high energy effects in multijet production**

*Tuesday, 24 October 2017 10:00 (15)*

### **Summary**

**Presenter(s)** : Mr. GORDO, David (IFT UAM/CSIC)

**Session Classification** : Física Teórica

Contribution ID : 132

Type : **not specified**

## **A simplified functional approach for integrating out heavy particles**

*Monday, 23 October 2017 16:00 (15)*

### **Summary**

**Presenter(s)** : Dr. RUIZ-FEMENIA, Pedro (IFIC, Valencia)

**Session Classification** : Física Teórica

Contribution ID : 133

Type : **not specified**

## **The type IIA scalar potential and the master 4-form**

*Tuesday, 24 October 2017 09:40 (15)*

### **Summary**

**Presenter(s) :** Mr. HERRAEZ, Alvaro (IFT UAM-CSIC & Universidad Autónoma de Madrid)

**Session Classification :** Física Teórica



Contribution ID : 134

Type : **not specified**

## **Updated Standard Model Prediction for the kaon (direct) CP-violating ratio $\epsilon'/\epsilon$**

### **Summary**

**Presenter(s)** : Mr. GISBERT MULLOR, Hector (IFIC)

Contribution ID : 135

Type : **not specified**

## **Non-Abelian microstate geometries**

*Tuesday, 24 October 2017 10:20 (15)*

### **Summary**

**Presenter(s)** : Mr. RUIPÉREZ VICENTE, Alejandro (Instituto de Física Teórica (IFT/UAM-CSIC))

**Session Classification** : Física Teórica

Contribution ID : 136

Type : **not specified**

## **Double Bangs from New Physics in IceCube.**

### **Summary**

**Presenter(s) :** MARTINEZ SOLER, Ivan Jesus (PHD Student IFT)

Contribution ID : **137**

Type : **not specified**

## **REFIS news**

*Monday, 23 October 2017 15:50 (10)*

### **Summary**

**Presenter(s)** : Dr. OYANGUREN, Arantza (IFIC- Valencia)

**Session Classification** : REFIS (Red Española de Física del Sabor)

Contribution ID : 138

Type : **not specified**

## **Loop effects of heavy new scalars and fermions in $b \rightarrow s \mu \mu$**

*Monday, 23 October 2017 16:03 (17)*

### **Summary**

**Presenter(s)** : Mr. ARNAN, Pere (ICCUB)

**Session Classification** : REFIS (Red Española de Física del Sabor)

Contribution ID : **139**

Type : **not specified**

## **Photon polarization in Bs->phigamma**

*Monday, 23 October 2017 16:23 (17)*

### **Summary**

**Presenter(s)** : Mrs. REMON ALEPUZ, Clara (PhD Student)

**Session Classification** : REFIS (Red Española de Física del Sabor)

Contribution ID : 140

Type : **not specified**

## **Controlled Flavour Changing Neutral Couplings in 2HDM**

*Monday, 23 October 2017 16:43 (17)*

### **Summary**

**Presenter(s)** : Mr. CORNET-GOMEZ, Fernando (IFIC (UV & CSIC))

**Session Classification** : REFIS (Red Española de Física del Sabor)

Contribution ID : 141

Type : **not specified**

## **Flavour Constraints on Two-Higgs-Doublet Models**

*Monday, 23 October 2017 17:30 (17)*

### **Summary**

**Presenter(s)** : PEÑUELAS MARTÍNEZ, Ana (IFIC-UV)

**Session Classification** : REFIS (Red Española de Física del Sabor)



Contribution ID : 142

Type : **not specified**

## **Radiative b-baryon decays**

*Monday, 23 October 2017 17:50 (17)*

### **Summary**

**Presenter(s)** : GARCÍA, Luis Miguel (IFIC)

**Session Classification** : REFIS (Red Española de Física del Sabor)

Contribution ID : 143

Type : **not specified**

## Isospin asymmetry in $B \rightarrow K^* \gamma$

*Monday, 23 October 2017 18:10 (17)*

### Summary

**Presenter(s)** : Mr. ALFONSO ALBERO, Alejandro (University of Barcelona)

**Session Classification** : REFIS (Red Española de Física del Sabor)

Contribution ID : 144

Type : **not specified**

## **Exploring T and CPT violations with $B_d$ mesons**

*Monday, 23 October 2017 18:30 (17)*

### **Summary**

**Presenter(s)** : Dr. NEBOT, Miguel (U. of Valencia - IFIC)

**Session Classification** : REFIS (Red Española de Física del Sabor)

Contribution ID : 145

Type : **not specified**

## Medida de phis en LHCb

*Monday, 23 October 2017 18:50 (17)*

### Summary

**Presenter(s)** : CHOBANOVA, Veronika (MPI)

**Session Classification** : REFIS (Red Española de Física del Sabor)

Contribution ID : 146

Type : **not specified**

## **Updated Standard Model Prediction for the kaon (direct) CP-violating ratio $\epsilon'/\epsilon$**

*Monday, 23 October 2017 19:10 (17)*

### **Summary**

**Presenter(s)** : Mr. GIBERT MULLOR, Hector (IFIC)

**Session Classification** : REFIS (Red Española de Física del Sabor)

Contribution ID : 147

Type : **not specified**

## Rare Strange Decays

*Monday, 23 October 2017 19:30 (17)*

### Summary

**Presenter(s)** : RAMOS PERNAS, Miguel (LHCb experiment)

**Session Classification** : REFIS (Red Española de Física del Sabor)

Contribution ID : 148

Type : **not specified**

## Charmless P to VV decays

*Tuesday, 24 October 2017 09:00 (17)*

### Summary

**Presenter(s)** : Dr. SANTAMARINA RÍOS, Cibrán (Universidade de Santiago de Compostela)

**Session Classification** : REFIS (Red Española de Física del Sabor)

Contribution ID : **149**

Type : **not specified**

## **Charmless 3-body decays at LHCb**

*Tuesday, 24 October 2017 09:20 (17)*

### **Summary**

**Presenter(s)** : HENRY, Louis (IFIC)

**Session Classification** : REFIS (Red Española de Física del Sabor)



Contribution ID : **150**

Type : **not specified**

## **B decays to open charm**

*Tuesday, 24 October 2017 09:40 (17)*

### **Summary**

**Presenter(s)** : Mr. DALSENO, Jeremy

**Session Classification** : REFIS (Red Española de Física del Sabor)

Contribution ID : 151

Type : **not specified**

## **The Full Lepton Flavor of the Littlest Higgs Model with T-Parity**

*Tuesday, 24 October 2017 10:00 (17)*

### **Summary**

**Presenter(s)** : Mr. VEGA-MORALES, Roberto

**Session Classification** : REFIS (Red Española de Física del Sabor)

Contribution ID : 152

Type : **not specified**

## **Predictive Leptogenesis from Minimal Lepton Flavour Violation**

*Tuesday, 24 October 2017 10:20 (17)*

### **Summary**

**Presenter(s)** : Mr. ROSAURO, Salvador

**Session Classification** : REFIS (Red Española de Física del Sabor)

Contribution ID : 153

Type : **not specified**

## **Double Bangs from New Physics in IceCube**

*Tuesday, 24 October 2017 10:40 (17)*

### **Summary**

**Presenter(s)** : MARTINEZ SOLER, Ivan Jesus (PHD Student IFT)

**Session Classification** : REFIS (Red Española de Física del Sabor)

Contribution ID : 154

Type : **not specified**

## **REd NAcional Temática de Astropartículas (RENATA)**

*Monday, 23 October 2017 15:00 (10)*

### **Summary**

**Primary author(s)** : Dr. PASTOR, Sergio (IFIC Valencia)

**Presenter(s)** : PASTOR, Sergio (IFIC, CSIC-Univ. Valencia)

**Session Classification** : RENATA (Red Nacional Temática de Astropartículas)

Contribution ID : 155

Type : **not specified**

## Latest results from T2K

*Monday, 23 October 2017 15:10 (30)*

### Summary

**Primary author(s)** : Dr. IZMAYLOV, Alexander (IFIC CSIC)

**Presenter(s)** : IZMAYLOV, Alexander (IFIC, CSIC-Univ. Valencia)

**Session Classification** : RENATA (Red Nacional Temática de Astropartículas)

Contribution ID : 156

Type : **not specified**

## **Global analysis of neutrino oscillation parameters**

*Monday, 23 October 2017 15:40 (25)*

### **Summary**

**Primary author(s)** : TERNES, Christoph Andreas (IFIC)

**Presenter(s)** : TERNES, Christoph A. (IFIC, CSIC-Univ. Valencia)

**Session Classification** : RENATA (Red Nacional Temática de Astropartículas)

Contribution ID : 157

Type : **not specified**

## **ProtoDUNE experiments at CERN**

*Monday, 23 October 2017 16:05 (30)*

### **Summary**

**Primary author(s)** : CUESTA, Clara (Ciemat)

**Presenter(s)** : CUESTA, Clara (CIEMAT)

**Session Classification** : RENATA (Red Nacional Temática de Astropartículas)



Contribution ID : 158

Type : **not specified**

## **Non-standard neutrino interactions in the Earth and the flavor of astrophysical neutrinos**

*Monday, 23 October 2017 16:35 (25)*

### **Summary**

**Primary author(s)** : MARTINEZ SOLER, Ivan Jesus (PHD Student IFT)

**Presenter(s)** : MARTÍNEZ-SOLER, Iván (IFT, UAM-CSIC)

**Session Classification** : RENATA (Red Nacional Temática de Astropartículas)

Contribution ID : 159

Type : **not specified**

## Neutrino tomography of the Earth

*Monday, 23 October 2017 17:30 (30)*

### Summary

**Primary author(s)** : Dr. DONINI, Andrea (IFIC)

**Presenter(s)** : DONINI, Andrea (IFIC, CSIC-Univ. Valencia)

**Session Classification** : RENATA (Red Nacional Temática de Astropartículas)

Contribution ID : **160**

Type : **not specified**

## **Searches for point sources with ANTARES and KM3NeT**

*Monday, 23 October 2017 18:00 (25)*

### **Summary**

**Primary author(s)** : ILLUMINATI, Giulia (IFIC Valencia)

**Presenter(s)** : ILLUMINATI, Giulia (IFIC, CSIC-Univ. Valencia)

**Session Classification** : RENATA (Red Nacional Temática de Astropartículas)

Contribution ID : 161

Type : **not specified**

## **DM annihilation with pseudoscalar mediators inside dense stars**

*Monday, 23 October 2017 18:25 (25)*

### **Summary**

**Primary author(s)** : Ms. MARINA, Cermeño (University of Salamanca)

**Presenter(s)** : CERMEÑO, Marina (Univ. Salamanca)

**Session Classification** : RENATA (Red Nacional Temática de Astropartículas)

Contribution ID : **162**

Type : **not specified**

## **Status of IAXO**

*Tuesday, 24 October 2017 09:00 (25)*

### **Summary**

**Primary author(s)** : Dr. DAFNI, Theopisti (Universidad de Zaragoza)

**Presenter(s)** : DAFNI, Theopisti (Univ. Zaragoza)

**Session Classification** : RENATA (Red Nacional Temática de Astropartículas)

Contribution ID : 163

Type : **not specified**

## **The DarkSide-20k program: towards the most sensitive Dark Matter detector**

*Tuesday, 24 October 2017 09:25 (30)*

### **Summary**

**Primary author(s)** : SANTORELLI, Roberto (Ciemat)

**Presenter(s)** : SANTORELLI, Roberto (CIEMAT)

**Session Classification** : RENATA (Red Nacional Temática de Astropartículas)

Contribution ID : 164

Type : **not specified**

## **Microscope: a new facility for the research in cosmic rays**

*Tuesday, 24 October 2017 10:10 (30)*

### **Summary**

**Primary author(s)** : Prof. GARZON, Juan A. (Univ. Santiago de Compostela)

**Presenter(s)** : GARZÓN, Juan A. (Univ. Santiago de Compostela)

**Session Classification** : RENATA (Red Nacional Temática de Astropartículas)

Contribution ID : 165

Type : **not specified**

## **Discusión general de la red RENATA**

*Tuesday, 24 October 2017 10:40 (20)*

### **Summary**

**Session Classification :** RENATA (Red Nacional Temática de Astropartículas)



Contribution ID : 166

Type : **not specified**

## **A holographic realization of $SO(5) \rightarrow SO(4)$ symmetry breaking pattern in a composite Higgs model**

*Monday, 23 October 2017 18:50 (15)*

### **Summary**

**Presenter(s)** : Ms. KATANAEVA, Alisa (Universitat de Barcelona)

**Session Classification** : Física Teórica

Contribution ID : 167

Type : **not specified**

## **An overview of the 1st and 2nd Advanced LIGO & VIRGO observing runs**

*Monday, 23 October 2017 18:50 (25)*

### **Summary**

**Primary author(s)** : Dr. PRATTEN, Geraint (Universitat de les Illes Balears)

**Presenter(s)** : PRATTEN, Geraint (Univ. Islas Baleares)

**Session Classification** : RENATA (Red Nacional Temática de Astropartículas)

Contribution ID : 168

Type : **not specified**

## **Conexión Vidyo. Charla y discusión con el gestor del Plan Nacional de Física de Partículas**

*Tuesday, 24 October 2017 11:20 (45)*

### **Summary**

**Presenter(s)** : Mr. MARTINEZ, MARIO (ICREA/IFAE)

**Session Classification** : Plenary Session

Contribution ID : **169**

Type : **not specified**

## **Status del CPAN**

*Tuesday, 24 October 2017 12:05 (15)*

### **Summary**

**Presenter(s)** : PICH, Antonio (IFIC)

**Session Classification** : Plenary Session

Contribution ID : **170**

Type : **not specified**

## **Discusión**

*Tuesday, 24 October 2017 12:20 (50)*

### **Summary**

**Session Classification :** Plenary Session

Contribution ID : 171

Type : **not specified**

## **Black hole physics**

*Tuesday, 24 October 2017 14:40 (30)*

### **Summary**

**Presenter(s)** : EMPARAN, Roberto (ICREA & Univ. Barcelona)

**Session Classification** : Plenary Session

Contribution ID : 172

Type : **not specified**

## **EW+Higgs+top (ATLAS y CMS)**

*Tuesday, 24 October 2017 15:15 (30)*

### **Summary**

**Presenter(s)** : Prof. TERRON, Juan (UAM)

**Session Classification** : Plenary Session

Contribution ID : 173

Type : **not specified**

## **Recent Challenges in Superheavy Element Research**

*Tuesday, 24 October 2017 15:50 (30)*

### **Summary**

**Presenter(s)** : Dr. BLOCH, Michael (GSI)

**Session Classification** : Plenary Session



Contribution ID : 174

Type : **not specified**

## **Direct detection of dark matter + ANAIS**

*Tuesday, 24 October 2017 16:25 (35)*

### **Summary**

**Primary author(s)** : SARSA, María Luisa (University of Zaragoza)

**Presenter(s)** : SARSA, María Luisa (University of Zaragoza)

**Session Classification** : Plenary Session

Contribution ID : 175

Type : **not specified**

## **BSM (ATLAS Y CMS)**

*Tuesday, 24 October 2017 17:35 (30)*

### **Summary**

**Presenter(s) :** Dr. CALDERON, Alicia (Instituto de Fisica de Cantabria (Univ. of Cantabria - CSIC))

**Session Classification :** Plenary Session

Contribution ID : 176

Type : **not specified**

## Neutrinoless double beta decay + NEXT

*Tuesday, 24 October 2017 18:10 (35)*

### Summary

**Primary author(s)** : GOMEZ CADENAS, juan jose (IFIC)

**Presenter(s)** : GOMEZ CADENAS, juan jose (IFIC)

**Session Classification** : Plenary Session

Contribution ID : 177

Type : **not specified**

## **The BRIKEN project: Conquering the most exotic beta-delayed neutron-emitters**

*Tuesday, 24 October 2017 18:50 (30)*

### **Summary**

**Presenter(s)** : Dr. TARIFEÑO SALDIVIA, Ariel (IFIC (CSIC-Univ. Valencia))

**Session Classification** : Plenary Session

Contribution ID : 178

Type : **not specified**

## **Recent results from neutrino telescopes + ANTARES/KM3NET**

*Wednesday, 25 October 2017 09:00 (30)*

### **Summary**

**Primary author(s)** : ZORNOZA, Juande (IFIC, CSIC-Univ. Valencia)

**Presenter(s)** : ZORNOZA, Juande (IFIC, CSIC-Univ. Valencia)

**Session Classification** : Plenary Session

Contribution ID : 179

Type : **not specified**

## **LHCB results and prospectives.**

*Wednesday, 25 October 2017 09:35 (30)*

### **Summary**

**Presenter(s)** : Dr. GALLAS, Abraham

**Session Classification** : Plenary Session

Contribution ID : **180**

Type : **not specified**

## **Espectrometría de Masas con Aceleradores: alta sensibilidad a muy baja energía**

*Wednesday, 25 October 2017 10:10 (30)*

### **Summary**

**Presenter(s)** : Dr. LÓPEZ GUTIÉRREZ, José María (Universidad de Sevilla - Centro Nacional de Aceleradores)

**Session Classification** : Plenary Session

Contribution ID : **181**

Type : **not specified**

## **Physics at Future Colliders**

*Wednesday, 25 October 2017 10:45 (30)*

### **Summary**

**Presenter(s)** : Dr. PANICO, Giuliano

**Session Classification** : Plenary Session



Contribution ID : **182**

Type : **not specified**

## **MOEDAL**

### **Summary**

**Presenter(s)** : Dr. MITSOU, Vasiliki (IFIC Valencia)

Contribution ID : **183**

Type : **not specified**

## **Status de Beyond SM theory**

*Wednesday, 25 October 2017 12:10 (35)*

### **Summary**

**Presenter(s)** : Prof. CASAS, Alberto (IFT-UAM/CSIC)

**Session Classification** : Plenary Session

Contribution ID : **184**

Type : **not specified**

## **The MoEDAL Experiment - Searching for Highly Ionising Particles at the LHC**

*Wednesday, 25 October 2017 11:50 (15)*

### **Summary**

**Presenter(s)** : Dr. MITSOU, Vasiliki (IFIC Valencia)

**Session Classification** : Plenary Session

Contribution ID : 185

Type : **not specified**

## **últimos avances teóricos en modelos nucleares y la descripción de las islas de inversión a lo largo de la tabla de núcleos**

### **Summary**

Contribution ID : **186**

Type : **not specified**

## **Entrega de premios. Concurso de divulgación**

*Wednesday, 25 October 2017 12:50 (50)*

### **Summary**

**Presenter(s)** : Mr. GARCIA, Isidoro (CPAN)

**Session Classification** : Plenary Session

Contribution ID : **187**

Type : **not specified**

## **Latest results from the Pierre Auger Observatory**

*Monday, 23 October 2017 19:15 (25)*

### **Summary**

**Primary author(s)** : Mr. TORRALBA ELIPE, Guillermo (Universidade de Santiago de Compostela)

**Presenter(s)** : GUILLERMO, Torralba Elipe (Univ. Santiago de Compostela)

**Session Classification** : RENATA (Red Nacional Temática de Astropartículas)

Contribution ID : **188**

Type : **not specified**

## **Coffee Break**

### **Summary**

Contribution ID : **189**

Type : **not specified**

## **Perspectives of ANAIS-112**

*Tuesday, 24 October 2017 09:55 (15)*

### **Summary**

**Primary author(s)** : Mr. COARASA, Iván (Universidad de Zaragoza)

**Presenter(s)** : COARASA, Iván (Univ. Zaragoza)

**Session Classification** : RENATA (Red Nacional Temática de Astropartículas)



Contribution ID : **190**

Type : **not specified**

## **Multi-particle emission from 31Ar at IDS**

*Monday, 23 October 2017 15:00 (20)*

### **Summary**

**Primary author(s)** : Mr. PEREA MARTINEZ, Angel (IEM/CSIC); Dr. NACHER, Enrique (Instituto de Estructura de la Materia - CSIC); Ms. MARROQUÍN, Irene (IEM-CSIC); Prof. TENGBLAD, Olof (IEM -CSIC)

**Co-author(s)** : MAGISOL COLLABORATION

**Presenter(s)** : Ms. MARROQUÍN, Irene (IEM-CSIC)

**Session Classification** : Red FNUC (Red Temática de Física Nuclear)

Contribution ID : 191

Type : **not specified**

## **$^{41}\text{Ca}$ measurements on the primary shield of José Cabrera Nuclear Power Plant**

*Monday, 23 October 2017 15:20 (20)*

### **Summary**

**Primary author(s)** : Mr. VIVO VILCHES, Carlos (Centro Nacional de Aceleradores)

**Co-author(s)** : Mr. LEGANES NIETO, JOSELUIS (ENRESA); Dr. LÓPEZ GUTIÉRREZ, José María (CNA); GARCÍA LEON, Manuel

**Presenter(s)** : Mr. VIVO VILCHES, Carlos (Centro Nacional de Aceleradores)

**Session Classification** : Red FNUC (Red Temática de Física Nuclear)

Contribution ID : 192

Type : **not specified**

## **Diseño y caracterización espectrométrica de campos de neutrones térmicos**

*Monday, 23 October 2017 15:40 (20)*

### **Summary**

**Primary author(s)** : PIETROPAOLO, A; POLA, A; Dr. DOMINGO, Carles (GRRRI. Dep. de Física. Univ. Autònoma de Barcelona.); MARTÍNEZ ROVIRA, I; ROMERO-EXPÓSITO, M; BEDOGNI, R

**Presenter(s)** : Dr. DOMINGO, Carles (GRRRI. Dep. de Física. Univ. Autònoma de Barcelona.)

**Session Classification** : Red FNUC (Red Temática de Física Nuclear)

Contribution ID : 193

Type : **not specified**

## PET Sinogram Restoration for Uniform Spatial Resolution with FBP

*Monday, 23 October 2017 16:00 (20)*

### Summary

**Primary author(s)** : Mr. LÓPEZ MONTES, Alejandro (Grupo de Física Nuclear , Facultad de Ciencias Físicas , C.E.I. Moncloa , E.28040 , Madrid , Spain); Mr. LOPEZ HERRAIZ, JOAQUIN (Universidad Complutense de Madrid. Grupo de Física Nuclear. UPARCO); UDIAS, Jose (Universidad Complutense de Madrid)

**Presenter(s)** : Mr. LÓPEZ MONTES, Alejandro (Grupo de Física Nuclear , Facultad de Ciencias Físicas , C.E.I. Moncloa , E.28040 , Madrid , Spain)

**Session Classification** : Red FNUC (Red Temática de Física Nuclear)

Contribution ID : 194

Type : **not specified**

## **Caracterización y simulaciones de un detector CLYC para espectroscopía de rayos gamma y neutrones**

*Monday, 23 October 2017 16:20 (20)*

### **Summary**

**Primary author(s)** : Mr. PÉREZ DE RADA FIOL, Alberto (CIEMAT); Dr. CANO OTT, Daniel (CIEMAT); MARTÍNEZ PÉREZ, Trino

**Presenter(s)** : Mr. PÉREZ DE RADA FIOL, Alberto (CIEMAT)

**Session Classification** : Red FNUC (Red Temática de Física Nuclear)

Contribution ID : 195

Type : **not specified**

## **Transition and crustal properties of a neutron star studied using Skyrme interactions**

*Monday, 23 October 2017 16:40 (20)*

### **Summary**

**Primary author(s)** : Ms. GONZALEZ BOQUERA, Claudia (University of Barcelona); Dr. CENTELLES, Mario (Barcelona University); Prof. VIÑAS, Xavier (Departamento de Física Cuántica y Astrofísica)

**Presenter(s)** : Ms. GONZALEZ BOQUERA, Claudia (University of Barcelona)

**Session Classification** : Red FNUC (Red Temática de Física Nuclear)

Contribution ID : 196

Type : **not specified**

## **Evaluación del campo neutrónico en instalaciones de radioterapia**

*Monday, 23 October 2017 17:30 (20)*

### **Summary**

**Primary author(s)**: Dr. DOMINGO, Carles (GRII. Dep. de Física. Univ. Autònoma de Barcelona.); Dr. MARTÍNEZ-ROVIRA, Immaculada (UAB); Dr. ROMERO-EXPÓSITO, Maite (Departament de Física, Universitat Autònoma de Barcelona); ORTEGA-GELABERT, Olga

**Presenter(s)**: Dr. ROMERO-EXPÓSITO, Maite (Departament de Física, Universitat Autònoma de Barcelona)

**Session Classification**: Red FNUC (Red Temática de Física Nuclear)

Contribution ID : 197

Type : **not specified**

## **Medida de ondas gammaacústicas en haces clínicos de radiocirugía**

*Monday, 23 October 2017 17:50 (20)*

### **Summary**

**Primary author(s):** Dr. SANCHEZ PARCERISA, Daniel (Universidad Complutense de Madrid); CAMACHO, Jorge (CSIC); UDIAS, Jose (Universidad Complutense de Madrid); Prof. FRAILE, Luis (Universidad Complutense de Madrid); Mrs. MISZCZYNSKA GIZA, Olivia (UCM); Mr. SÁNCHEZ-TEMBLEQUE VERBO, Víctor (Grupo de Física Nuclear)

**Presenter(s):** Dr. SANCHEZ PARCERISA, Daniel (Universidad Complutense de Madrid)

**Session Classification :** Red FNUC (Red Temática de Física Nuclear)



Contribution ID : 198

Type : **not specified**

## **Medida de producción de isótopos $b^+$ para verificación de rango en protonterapia**

*Monday, 23 October 2017 18:10 (20)*

### **Summary**

**Primary author(s)** : Dr. GUERRERO, Carlos (Universidad de Sevilla)

**Presenter(s)** : Dr. GUERRERO, Carlos (Universidad de Sevilla)

**Session Classification** : Red FNUC (Red Temática de Física Nuclear)

Contribution ID : 199

Type : **not specified**

## SCATTER ESTIMATION IN PROJECTION SPACE FROM PET-CT DATA

*Monday, 23 October 2017 18:30 (20)*

### Summary

**Primary author(s)**: Mr. LOPEZ HERRAIZ, JOAQUIN (Universidad Complutense de Madrid. Grupo de Física Nuclear. UPARCO); UDIAS, Jose (Universidad Complutense de Madrid); Mr. DOMARCO, Julián (Grupo de Física Nuclear and UPARCOS, Universidad Complutense de Madrid, Madrid 28040, Spain)

**Presenter(s)**: Mr. DOMARCO, Julián (Grupo de Física Nuclear and UPARCOS, Universidad Complutense de Madrid, Madrid 28040, Spain)

**Session Classification**: Red FNUC (Red Temática de Física Nuclear)

Contribution ID : **200**

Type : **not specified**

## **Nuclear data activities at the n\_TOF facility**

*Monday, 23 October 2017 18:50 (20)*

### **Summary**

**Presenter(s)** : Mr. CASANOVAS, Adrià (Universitat Politècnica de Catalunya)

**Session Classification** : Red FNUC (Red Temática de Física Nuclear)

Contribution ID : 201

Type : **not specified**

## **ESTUDIO DEL PLASMA GENERADO POR UN LÁSER ULTRAITENSO DE FEMTOSEGUNDOS MEDIANTE EL ANÁLISIS DE RAYOS X**

*Monday, 23 October 2017 19:10 (20)*

### **Summary**

**Primary author(s) :** Dr. BENLLIURE, Jose (University of Santiago de Compostela); UDIAS, Jose (Universidad Complutense de Madrid); PEÑAS NADALES, Juan; Mrs. MARTÍN BLANCO, Lucía (Universidad de Santiago de Compostela); Prof. FRAILE, Luis (Universidad Complutense de Madrid); Ms. IBÁÑEZ GARCÍA, Paula (Universidad Complutense de Madrid)

**Presenter(s) :** PEÑAS NADALES, Juan (Universidad Complutense de Madrid)

**Session Classification :** Red FNUC (Red Temática de Física Nuclear)

Contribution ID : 202

Type : **not specified**

**"Monitor de energía de haz de partículas ionizantes  
basado en emisión de color" en la sesión de  
investigación no orientada, tecnología e innovación"**

*Monday, 23 October 2017 17:30 (15)*

**Summary**

**Presenter(s)** : Dr. FERRER, Francisco Javier (Centro Nacional de Aceleradores)

**Session Classification** : Investigación orientada, tecnología e innovación

Contribution ID : 203

Type : **not specified**

## **Transferencia de tecnología en el CNA: RadLab, ensayos de irradiación**

*Monday, 23 October 2017 17:50 (15)*

### **Summary**

**Presenter(s)** : Mr. MARTÍN-HOLGADO, PEDRO (CNA - Centro Nacional de Aceleradores)

**Session Classification** : Investigación orientada, tecnología e innovación

Contribution ID : 204

Type : **not specified**

## **Grupo de desarrollos tecnológicos para realizar módulos foto-detectores basados en SiPM con capacidad de medida de tiempo de vuelo.**

*Monday, 23 October 2017 18:10 (15)*

### **Summary**

**Presenter(s)** : Dr. GOMEZ FERNANDEZ, Sergio (Researcher at ICCUB)

**Session Classification** : Investigación orientada, tecnología e innovación

Contribution ID : 205

Type : **not specified**

## **Mejoras en la respuesta de MACACO, un telescopio Compton para monitorización en terapia hadrónica**

*Monday, 23 October 2017 18:30 (15)*

### **Summary**

**Presenter(s)** : Dr. LLOSA, Gabriela (IFIC-CSIC)

**Session Classification** : Investigación orientada, tecnología e innovación



Contribution ID : **206**

Type : **not specified**

## **The AliVATA DAQ system**

*Monday, 23 October 2017 18:50 (15)*

### **Summary**

**Presenter(s)** : Dr. LACASTA, Carlos (IFIC-Valencia); Prof. LOZANO, Manuel (IMB-CNM (CSIC))

**Session Classification** : Investigación orientada, tecnología e innovación

Contribution ID : 207

Type : **not specified**

## **La instalación IFMIF-DONES, la candidatura española**

*Tuesday, 24 October 2017 09:00 (35)*

### **Summary**

**Primary author(s)** : Prof. CORNET, Fernando (Universidad de Granada)

**Presenter(s)** : Prof. CORNET, Fernando (Universidad de Granada)

**Session Classification** : Red FNUC (Red Temática de Física Nuclear)

Contribution ID : **208**

Type : **not specified**

## **Asamblea de la red temática de Física Nuclear FNUC**

*Tuesday, 24 October 2017 09:40 (75)*

### **Summary**

**Presenter(s)** : Prof. FRAILE, Luis (Universidad Complutense de Madrid)

**Session Classification** : Red FNUC (Red Temática de Física Nuclear)

Contribution ID : 209

Type : **not specified**

## **Cómo desarrollar proyectos con impacto. Perspectiva de Madrid-MIT m+Vision**

*Monday, 23 October 2017 19:10 (15)*

### **Summary**

**Presenter(s)** : Mr. LOPEZ HERRAIZ, JOAQUIN (Universidad Complutense de Madrid. Grupo de Física Nuclear. UPARCO)

**Session Classification** : Investigación orientada, tecnología e innovación