2019

Journal Paper with direct contribution

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Thesis / Dissertation

PhD Thesis

- An efficient particle physics data analysis framework for homogeneous and heterogeneous platforms
- Study of ground state properties of halo nuclei via quasi- free scattering reactions at the R3B setup at GSI
- Development of a Directionality Detector and Radiation analysis for RADEM, a RADiation hard Electron Monitor for the JUICE mission

Master Thesis

1. Scintillation detectores for dosimetric monitoring in interventional cardiology
2. New observables and techniques for the study of jets in hadron collisions
3. Study of the exclusive production of the top quark in the CMS experiment
4. Searching for jet quenching in small systems
5. Topic modelling for jets
6. Thermal Study of a Module for SWGO (Southern Hemisphere Wide field-of-view Gamma-ray Observatory)
7. Conception of a Tissue Equivalent Plastic Dosimeter Using Scintillating Fibres for Hadronic Therapy and Space Radiation Effects Studies
8. Probing the quark gluon plasma medium through B meson production measurements in PbPb collisions at the LHC

9. The impact of electric field distortion on CP violation studies: study of space charge effects on protoDUNE
10. Machine Learning in Analytical Chemistry: Applying Innovative Data Analysis Methods Using Chromatographic Techniques
11. Estudo da resposta dosimétrica de cintiladores plásticos em feixes de protões
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- GERAÇÃO AUTOMÁTICA DE SISTEMAS DE PREVISÃO COSTEIRA: A PLATAFORMA OPENCOASTS André B. FORTUNATO, João ROGEIRO, Joana TEIXEIRA, Anabela OLIVEIRA, Alberto AZEVEDO, Xavier BERTIN, Laura LAVAUD, Mário DAVID, João PINA, Jorge GOMES, Sonia CASTANEDO, Fernando MENDEZ, Pedro LOPES, Marta RODRIGUES André B. FORTUNATO, João ROGEIRO, Joana TEIXEIRA, Anabela OLIVEIRA, Alberto AZEVEDO, Xavier BERTIN, Laura LAVAUD, Mário DAVID, João PINA, Jorge GOMES, Sonia CASTANEDO, Fernando MENDEZ, Pedro LOPES, Marta RODRIGUES; GERAÇÃO AUTOMÁTICA DE SISTEMAS DE PREVISÃO COSTEIRA: A PLATAFORMA OPENCOASTS; IX Congresso sobre Planeamento e Gestão de das Zonas Costeiras, Lisboa 2019
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- Jets in QCD matter: Monte Carlo approaches, Liliana Apolinário, PoS HardProbes2018 (2019) 022, 10.22323/1.345.0022
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- Study of scintillating fibers response to low energy protons, D. Guerreiro, L. Peralta, D. Galaviz, J. G. Saraiva, J. M. Sampaio, P. Teubig, 3rd International Conference on Dosimetry and its Applications (ICDA-3)

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