MAP-Fis PhD Students Assessment - University of Minho

Report of Contributions

Contribution ID: **0**   Type: **not specified**

Invited Talk

Presenter: Prof. FREITAS, Paulo (INL)

Contribution ID: **1**   Type: **not specified**

Final Remarks

Presenter: Prof. SCHMOOL, David (Universidade do Porto)

Contribution ID: **5**

Type: **not specified**

Palestra 3/Talk 3

Contribution ID: **10**   Type: **not specified**

Welcome

Wednesday 6 December 2023 10:00 (10 minutes)

Summary

Presenter: Prof. VASILEVSKIY, Mikhail

Session Classification: Opening Session

Contribution ID: **13**   Type: **not specified**

Investigação de efeitos quânticos no transporte de energia e cargas em sistemas fotossintéticos com simulações quânticas (ONLINE talk)

Wednesday 6 December 2023 10:10 (25 minutes)

UMinho Supervisor: Mikhail Igorevich Vasilevskiy

Evaluation Panel: António Onofre, Mike Belsley

Summary

Presenter: GUIMARÃES, José

Session Classification: MAP-Fis PhD Students Assessment Presentations

Contribution ID: **16**   Type: **not specified**

Hematite nanowires for solar water splitting: development and structure optimization

Presenter: Dr AZEVEDO, João (Universidade do Porto)

Contribution ID: **19**   Type: **not specified**

Exchange coupled donor dimers in nanocrystal quantum dots

Presenter: Dr ALMEIDA, António José (Universidade de Aveiro)

Contribution ID: **20** Type: **not specified**

Palestra de Introdução/Overview Talk

Contribution ID: **21**
Type: **not specified**

Palestra 1/Talk 1

Contribution ID: 22

Type: **not specified**

Palestra 2/Talk 2

Contribution ID: **37**   Type: **not specified**

Coherence and Contextuality as Quantum Resources

Wednesday 6 December 2023 11:25 (25 minutes)

UMinho Supervisor: Mikhail Igorevich Vasilevskiy

Evaluation Panel: António Onofre, Tatiana Rappoport

Summary

Presenter: WAGNER, Rafael

Session Classification: MAP-Fis PhD Students Assessment Presentations

Contribution ID: **39**   Type: **not specified**

Characterization of single-photon emitting defects in 2D materials by scanning probe microscopy (SPED-Probe)

Wednesday 6 December 2023 15:20 (25 minutes)

UMinho Supervisor: João Pedro dos Santos Hall Agorreta Alpuim

Evaluation Panel: Mikhail Vasilevskiy, Carlos Tavares

Summary

Presenter: AMAR, Elmahdi

Session Classification: MAP-Fis PhD Students Assessment Presentations

Contribution ID: **43**   Type: **not specified**

Design and construction of a Rangefinder/LiDAR testbed

Wednesday 6 December 2023 10:35 (25 minutes)

UMinho Supervisor: José Carlos Viana Gomes

Evaluation Panel: Bernardo Almeida, Mike Belsley

Summary

Presenter: Mr CUNHA, Nelssom

Session Classification: MAP-Fis PhD Students Assessment Presentations

Contribution ID: 44   Type: **not specified**

Correlation of transport and structural properties of Graphene and Bismuth Telluride as a function CVD growth parameters

Wednesday 6 December 2023 15:45 (25 minutes)

UMinho Supervisor: João Pedro dos Santos Hall Agorreta Alpuim

Evaluation Panel: Bernardo Almeida, Carlos Tavares

Summary

Presenter: PETERS, James

Session Classification: MAP-Fis PhD Students Assessment Presentations

Contribution ID: 45   Type: **not specified**

Architectures for scalable quantum photonic computing

Wednesday 6 December 2023 11:00 (25 minutes)

UMinho Supervisor: Michael Belsley

Evaluation Panel: Mikhail Vasilevskiy, Bruno Amorim

Summary

Presenter: CAMILLINI, Anita

Session Classification: MAP-Fis PhD Students Assessment Presentations

Contribution ID: 46 Type: **not specified**

AutoBSM: Validating Beyond the Standard Model Physics with Machine Learning

Wednesday 6 December 2023 11:50 (25 minutes)

UMinho Supervisor: Nuno Castro

Evaluation Panel: António Onofre, Raul Sarmento

Summary

Presenter: SOUZA, Fernando

Session Classification: MAP-Fis PhD Students Assessment Presentations

Contribution ID: **48**   Type: **not specified**

Understanding and overcoming limitations of linear-optical quantum computation

Wednesday 6 December 2023 14:55 (25 minutes)

UMinho Supervisor: Nuno Miguel Machado Reis Peres

Evaluation Panel: Mikhail Vasilevskiy, Yuliy Bludov

Summary

Presenter: FERNANDES, Carlos

Session Classification: MAP-Fis PhD Students Assessment Presentations

Contribution ID: 49   Type: **not specified**

Searching for dark matter with the ATLAS detector using unconventional signatures

Wednesday 6 December 2023 14:30 (25 minutes)

UMinho Supervisor: Nuno Castro

Evaluation Panel: Mikhail Vasilevskiy, Raul Sarmento

Summary

Presenter: TEIXEIRA, Maura

Session Classification: MAP-Fis PhD Students Assessment Presentations

Contribution ID: **50**   Type: **not specified**

Multiplex detection of circulating tumor DNA using graphene electrolyte-gate field-effect transistors

Wednesday 6 December 2023 16:30 (25 minutes)

UMinho Supervisor: João Pedro dos Santos Hall Agorreta Alpuim

Evaluation Panel: Bernardo Almeida, Joel Borges

Summary

Presenter: DOMINGUES, Telma

Session Classification: MAP-Fis PhD Students Assessment Presentations

Contribution ID: **52**　　　　　　　　　　　　　　　　　　　Type: **not specified**

Enhanced Searches with the Pierre Auger Observatory in the Era of Multi-messenger Astrophysics

Wednesday 6 December 2023 12:15 (25 minutes)

UMinho Supervisor: Nuno Castro

Evaluation Panel: António Onofre, António Morais (UA)

Summary

Presenter:　FERNANDES, Maria

Session Classification:　MAP-Fis PhD Students Assessment Presentations

Contribution ID: **53**　　　　　　　　　　　　　　　　　　Type: **not specified**

Application of deep learning networks to GW astronomy (ONLINE talk)

Wednesday 6 December 2023 14:05 (25 minutes)

UMinho Supervisor: António Joaquim Onofre Abreu Ribeiro Gonçalves

Evaluation Panel: António Onofre, Nuno Castro

Summary

Presenter: FREITAS, Osvaldo

Session Classification: MAP-Fis PhD Students Assessment Presentations

Contribution ID: **54**　　　　　　　　　　　　　　　　　Type: **not specified**

Single spin resonance magnetometry with scanning tunneling microscopy (ONLINE talk)

Wednesday 6 December 2023 16:55 (25 minutes)

UMinho Supervisor: Nuno Miguel Machado Reis Peres
Evaluation Panel: Bernardo Almeida, Tatiana Rappoport

Summary

Presenter: HERNÁNDEZ, Yelko

Session Classification: MAP-Fis PhD Students Assessment Presentations