DIPARTIMENTO DI ECCELLENZA
MUR 2023/2027

A.D. 1308
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DIPARTIMENTO
DI FISICA E GEOLOGIA

David **Pelosi**

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November 22, 2024

Curriculum vitae

- **11/06/2020**
  Bachelor's Degree in Physics - University of Perugia
  Title: *Development of a web application for monitoring cosmic radiation and solar activity*
  Supervisors: Nicola Tomassetti, Matteo Duranti
  Grade: *110/110*

- **27/04/2023**
  Master's Degree in Astrophysics and Astroparticle Physics - University of Perugia
  Title: *A Numerical Model for the Transport of Cosmic Rays in the Heliosphere*
  Supervisor: Nicola Tomassetti
  Grade: *110/110 cum laude*

- **1/12/2022 – 1/11/2023**
  Postgraduate Research Fellow - University of Perugia
  Topic: Implementation of an efficient model for predicting the flux of galactic cosmic rays. The activity is carried out within the framework of the Comprehensive spAce wEather Studies for the ASPIS prototype Realization (CAESAR) project, supported by the Italian Space Agency (ASI) and the National Institute for Astrophysics (INAF).

- **1/11/2023 – Present**
  University of Perugia - Department of Physics
  Ph.D. Student
  Topic: Phenomenological study of cosmic radiation in Space.
  Supervisor: Nicola Tomassetti

Conferences and Schools

- **23/09/2024 – 27/09/2024**
  RICAP-24, Roma International Conference on AstroParticle Physics, Frascati, Italy
  Poster presentation: "An Effective and Predictive Model for the Long-Term Variations of Cosmic Rays in the Heliosphere". details.

- **25/08/2024 – 10/09/2024**
  The ESA-FAIR Space Radiation School 2024, Darmstadt, Germany.
  Organizers: European Space Agency and GSI/FAIR.

- **13/05/2024 – 17/05/2024**
  INFN School of Statistics, Paestum (Salerno, Italy)
  Organizers: INFN and University "Federico II", Naples.

- **29/04/2024 – 03/05/2024**
  ESPD summerschool, Dubrovnik, Croatia.
  Theme: Energisation and heating in the solar plasma.
  Organizers: European Solar Physics Division (ESPD) of the European Physical Society (EPS).

- **14/04/2024 – 19/04/2024**
  EGU General Assembly 2024, Vienna, Austria
  Poster presentation: ”An effective and predictive model for the long-term variations of Cosmic Rays in the Heliosphere”. details.

- **23/10/2023 – 27/10/2023**
  International School on Open Science Cloud (SOSC 2023)
  Theme: Computing Models for Scientific Experiments
  Organizers: INFN, Department of Physics and Astronomy ”Augusto Righi” of the University of Bologna and the Departments of Physics and Geology of the University of Perugia.

- **11/09/2023 – 15/09/2023**
  109th National Congress – Italian Society of Physics - Salerno, Italy
  Presentation Title: “An Effective and Predictive Model for the Long-term Variations of Cosmic Rays in the Heliosphere”.

- **15/05/2023 – 17/05/2023**
  SPACEMON 2023: Space Environments Monitoring Workshop, ESA, Escape Tennis Hall (ESA/ESTEC – Noordwijk)
  Presentation title: “An Effective and Predictive Model for the Long-term Variations of Cosmic Rays in the Heliosphere”.

- **12/07/2021 – 23/07/2021**
  International Cosmic Ray Conference (ICRC), Berlin.
  Poster Presentation: “A Web Application for Monitoring Cosmic Rays and Solar Activity”.

- **14/09/2020 – 18/09/2020**
  106th National Congress – Italian Society of Physics
  Presentation Title: “Development of an web application for monitoring cosmic radiation and solar activity”.
  Selected as “Particularly Meritorious” and awarded with publication in a special issue of Il Nuovo Cimento C.

Publications

- D. Pelosi, N. Tomassetti, M. Duranti (2021), ”Development of a Web Application for Monitoring Solar Activity and Cosmic Radiation”, *Il Nuovo Cimento C*, 2021 - Issue 2-3, `https://doi.org/10.1393/ncc/i2021-21097-2`

- Pelosi, D., Tomassetti, N., & Duranti, M. (2021). A Web Application for Monitoring Cosmic Rays and Solar Activity. *PoS, ICRC2021*, 1259. `https://doi.org/10.22323/1.395.1259`

Sincerely,

David Pelosi