

Nicolò Baldicchi

Curriculum Vitae

Experiences

- Nov 2023 - Present **PhD in Physics**, *Università degli Studi di Perugia*, Crystalline suspensions for cryogenic test masses for future gravitational wave detectors
- Nov 2022- May 2023 **Research Fellowship**, *Johannes Gutenberg-Universität Mainz*, Helmholtz Institute Mainz, GEANT4 simulations for PRIMA (PANDA Phase 0)

Short term academic experiences

- Sept 2024 **Guide**, *Università degli studi di Perugia*, Assistant volunteer for SHARPER - European researcher night , Onde gravitazionali: rivelatore Virgo in ascolto
- Jul 2024 - Aug 2024 **Visiting researcher**, *Institute for Cosmic Rays Research*, Tokyo
- Mar 2024 - May 2024 **Tutor**, *Università degli studi di Perugia*, Physics II tutor for Mathematics degree course students
- Feb 2024 - Avr 2024 **Tutor**, *Università degli studi di Perugia*, PLS project tutor
- Oct 2023 - Nov 2023 **Guide**, *Perugia*, "Lise chi?", Exhibition on the life of Lise Meitner

Education

- Sept 2022 **Master Degree in Theoretical Physics**, *Università degli Studi di Perugia*, Dipartimento di fisica, Thesis: Study of the Λ and $\Lambda(1520)$ Baryon's Transition Form Factors
- Dec 2019 **Bachelor in Physics**, *Università degli Studi di Perugia*, Dipartimento di fisica, Thesis: Vacuum Energy: Analysis and Consequences

Talks

- 8 May 2024 **XIV ET Symposium**, *MECC Maastricht*, CAOS: an international laboratory for prototyping ET suspensions, Maastricht
<https://indico.ego-gw.it/event/710/contributions/6332/>
- 22 Nov 2022 **EMP Group seminar**, *Johannes Gutenberg-Universität*, Lambda(1520), Mainz
- 28 Sep 2022 **BESIII Italia-Torino 2022**, *Università di Torino*, Lambda(1520), Torino
<https://agenda.infn.it/event/32029/>

■■■■■ Programming skills

Basic GEANT4
Intermediate Root, Wolfram Mathematica, C++, Bash, PYTHON
Advanced L^AT_EX

■■■■■ Languages

English Fluent - Proficient at speaking and writing
French Intermediate - Efficient at speaking and writing
Italian Native

■■■■■ General Skills

Stress Management, Presentation, Communication

Perugia, 11/12/2024