

Riccardo Nunzio Pilato

Post Doctoral Research Associate at the Muon Group

LEVERHULME
TRUST _____



Education

- BSc & MSc in Physics at the University of Pisa.
- PhD in Physics at the University of Pisa.
Thesis: “Feasibility study of the MUonE experiment”

Research Topics

- Precision measurements in High Energy Physics.
- Hadronic leading order contribution to the muon $g-2$ (a_{μ}^{HLO}).
- **MUonE experiment** at CERN North Area:
a new measurement of a_{μ}^{HLO} via $\mu e \rightarrow \mu e$ scattering.
- Detector simulations and optimization (GEANT4),
development of the MUonE analysis workflow.
- MUonE Test Run 2023: data analysis.



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