

Farbod-Sayyed, Rassouli

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INSPIREHEP LINK

<https://inspirehep.net/authors/2724247>

LIST OF REFEREES

Prof. Oliver Gould ✉ oliver.gould@nottingham.ac.uk

Prof. Paul Saffin ✉ paul.saffin@nottingham.ac.uk

Prof. Antonio Padilla ✉ antonio.padilla@nottingham.ac.uk

Prof. João Magueijo ✉ j.magueijo@imperial.ac.uk

EDUCATION

2023 - present PhD Theoretical Physics at **University of Nottingham**

2021 - 2023 MSc Quantum Field and Fundamental Forces at **Imperial College London**

2017 - 2021 MSci Theoretical Physics at **Royal Holloway University of London**

PUBLICATIONS

- [1] Altay Etkin et al. “Morse Time in Cosmology and its Topology change points”. In: (2026). arXiv: [26XX.XXXX \[hep-th\]](#).
- [2] Paolo Bassani and Farbod-Sayyed Rassouli. “Baryogenesys and iverse symmetry breaking in Affleck-Dine models.” In: (2026). arXiv: [26XX.XXXX \[hep-th\]](#).
- [3] Antonio Padilla et al. “What can solve the cosmological constant problem”. In: (2026). arXiv: [26XX.XXXX \[hep-th\]](#).
- [4] Oliver Gould, Paul Saffin, and Farbod-Sayyed Rassouli. “EFT for strong phase transition”. In: (Aug. 2026). arXiv: [2609.XXXX \[hep-ph\]](#).
- [5] Altay Etkin and Farbod-Sayyed Rassouli. “Unimodular time in JT gravity: a holographic clock”. In: (Jan. 2026). arXiv: [2601.07911 \[hep-th\]](#).
- [6] Bruno Alexandre, Altay Etkin, and Farbod-Sayyed Rassouli. “Unimodular Jackiw-Teitelboim gravity and de Sitter quantum cosmology”. In: *Phys. Rev. D* 111.12 (2025), p. 124050. DOI: [10.1103/cmbb-cwlj](#). arXiv: [2501.17213 \[gr-qc\]](#).
- [7] Altay Etkin, Joao Magueijo, and Farbod-Sayyed Rassouli. “Vortices, topology and time”. In: *Phys. Lett. B* 855 (2024), p. 138810. DOI: [10.1016/j.physletb.2024.138810](#). arXiv: [2311.11160 \[hep-th\]](#).

LIST OF TALKS

PASCOS: String seminar on Black Holes	2026-06-25
Nottingham Center of Gravity Seminar	2026-06-09
IFT Madrid	2026-06-02

Nottingham Center of Gravity Seminar	2025-11-28
UKQFT	2025-11-26
Sheffield Cosmology Groups Seminar	2025-10-08
Fudan University HEP Group Seminar	2025-04-14
Tsing-Hua Cosmology Group Seminar	2025-04-02
Hong Kong UST Fundamental Physics Seminar	2025-03-31
Cambridge GR Seminar	2025-02-07
Simons Semester at Institute of Mathematics, Polish Academy of Sciences	2024-03-20

SCHOOLS AND CONFERENCES

PASCOS	2026-06
Sheffield University	
Holographic Universe	2025-06
KU Leuven	
Crosslinks of Early Universe Cosmology	2024-08
MITP summer school	
String-Math	2024-06
ICTP	
Topological Aspects of Low-Dimensional Quantum Physics	2024-04
Maynooth University	

SKILLS

Analytics	Model building, Solving Analytical Problems
Programming language	Python, Mathematica, C++
Teaching and Presenting	I'm actively engaged in hosting sessions and presenting talks among the Particle and Cosmology Group in Nottingham. Organiser of the Theoretical Physics Student Seminars (TPSS) series.
Languages	Fluent: Italian, Persian, English, Spanish.