

Filip Požar - CV

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🏠 14th September 1998

EDUCATION

Mathematical gymnasium diploma, XV Gimnazija - MIOC Zagreb
• GPA 4.8 2013-2017
University of Zagreb, Faculty of Science: Physics department Zagreb
• Master of Science in Physics: GPA 4.72/5.00, ECTS 357/300 Sep. 2017 - Oct. 2022
University of Zagreb, Faculty of Science: Physics department Zagreb
• PhD Student enrolled in the Elementary Particle Physics program Sep. 2023 -

WORK

Institute Ruder Bošković Zagreb
• Assistant at the Division of Theoretical Physics, working for the Quantum Gravity and Mathematical Physics Group Apr. 2023 -

CONFERENCES, WORKSHOPS AND SCHOOLS

Workshop: Quantum Aspects of Spacetime and Gravity Zagreb
Institute Ruder Bošković September 5-9 2022
• I have attended the workshop at the Institute Ruder Bošković in Zagreb, organized by my mentor dr.sc. Tajron Jurić. [Link to the workshop's site](#)

Sarajevo School of High Energy Physics 2022 Sarajevo
University of Sarajevo October 10-15 2022
• I have attended the school at the Faculty of Science in Sarajevo, organized by University of Sarajevo and CERN. [Link to the schools's site](#)

59. Winter School of Theoretical Physics and third COST Action CA18108 Jelenia Gora
Training School "Gravity – Classical, Quantum and Phenomenology"
Institute of Theoretical Physics of the University of Wroclaw, Poland February 12-21 2023
• Here I held a 20 minute student talk about my first scientific paper. [Link to the schools's site](#)

Basics of Quantum Gravity 2023 Online
Online via Zoom May 16 - November 16 2023
• I have attended the online school "Basics of Quantum Gravity". [Link to the schools's site](#)

Mini symposium on Physics and Geometry 2023 Zagreb
Institute Ruder Bošković June 5-9 2023
• I have attended the conference "Mini symposium on Physics and Geometry" organized by Athanasios Chatzistavrakidis (RBI), Larisa Jonke (RBI), Jan Rosseel (RBI).
Here I held a 20 minute presentation. [Link to the conference's site](#)

Emergent Geometries from Strings and Quantum Fields 2023 Florence
Galileo Galilei Institute June 12-16 2023
• I have attended the school organized by Francesco Bonechi.
Here I held a 5 minute presentation. [Link to the schools's site](#)

COST CA18108 Fourth Annual Conference 2023

Rijeka

University of Rijeka, Faculty of Physics

July 10-14 2023

- I have attended the conference organized by Tomislav Terzić and others. Here I held a 20 minute seminar presentation. [Link to the conference's site](#)

XXV SIGRAV Conference on General Relativity and Gravitation

Trieste

SISSA

September 4-8 2023

- I have attended the conference organized by SIGRAV comitee. Here I held a 20 minute seminar presentation. [Link to the conference's site](#)

Golden Wedding of Black Holes and Thermodynamics

Online

Online via Zoom

December 4-8 2023

- I have attended the conference organized by Nickolas de Aguiar Alves and others. I held a 30 minute seminar presentation. [Link to the conference's site](#)

44th Winter School Geometry And Physics

Srni

Masaryk University

January 13-20 2024

- I have attended the school organized by Masaryk University, Union of Czech Mathematicians and Physicists and Charles University. Here I held a 25 minute seminar presentation. [Link to the conference's site](#)

School on Field theory and applications in HEP

Thessaloniki

Aristotel University

June 09 - 16 2024

- I have attended the school funded by SEENET, MTP, CERN and ICTP. Here I held a 7 minute seminar presentation. [Link to the school's site](#)

Applications of NonCommutative Geometry to Gauge Theories, Field Theories, and Quantum Space-Time

CIRM Marseille

April 07 - 11 2025

- I have attended the conference organized by Roberta Anna Iseppi (University of Göttingen), Pierre Martinetti (UniGe, INFN), Thierry Masson (CNRS, Aix-Marseille Université), Gaston Nieuviarts (University of Genova) and Patrizia Vitale (University of Naples Federico II). Here I gave a 15 minute talk. [Link to the conference's site](#)

TALKS

I have held presentations/seminars on the following occasions:

- 59. Winter School of Theoretical Physics and third COST Action CA18108 Training School "Gravity – Classical, Quantum and Phenomenology" ([Quantum correction to black hole entropy](#))
- Mini symposium on Physics and Geometry 2023 ([Area law in NC geometry](#))
- Emergent Geometries from Strings and Quantum Fields 2023 ([Quantum aspects of BH entropy](#))
- COST CA18108 Fourth Annual Conference 2023 ([Noncommutativity and black hole entropy](#))
- XXV SIGRAV Conference on General Relativity and Gravitation ([Noncommutative Corrections to Black Hole Entropy](#))
- Golden Wedding of Black Holes and Thermodynamics ([Noncommutative correction to black hole entropy](#))
- SISSA 2024 scientific visit ([Torsion and Levi-Civita connection in Drinfeld twist approach to NC geometry](#))

- 44th Winter School Geometry And Physics (Noncommutative corrections to black hole entropy)
- School on Field theory and applications in HEP (Twisted Hopf algebra modules are also twisted)
- Applications of Noncommutative Geometry to Gauge Theories, Field Theories, and Quantum Space-Time (Nonzero corrections to rotating black hole metric in the Killing twisted Einstein-Maxwell theory)

SCIENTIFIC VISITS

SISSA, Trieste :

- 01 April 2024 - 01 May 2024
- Funded by Ruđer Bošković Institute's MZ2-24 grant, I have visited prof. Ludwik Dabrowski's group at SISSA for a month long visit where we have worked on the algebraic computation of the torsion tensor in the spectral triple approach to NC geometry.

IJCLab Saclay, Paris :

- 01 October 2024 - 31 October 2024
- Funded by Cogito France and French Government grant, I have visited prof. JC Wallet's group at Paris Saclay University for a month long visit where we have worked on the convolution star product realization for T-Minkowski spacetimes and their deformed Poincaré algebras.

HONOURS AND AWARDS

- 2017-2020: Full STEM scholarship for bachelor's STEM students (funded by EU and Croatian Ministry of Science and Education).
- 2024: French Government scholarship for a scientific visit of 1 month to Paris.