

Short CV

Paul Caucal

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Research experience

- Since 09/2022 : Associate Professor (Maître de Conférences), SUBATECH, Nantes Université.
- 10/2020 – 08/2022 : Post-doctoral research fellow, Brookhaven National Laboratory, USA.
- 09/2017 – 09/2020 : PhD thesis, IPhT, CEA, Saclay.

Education

- 09/2020 : PhD degree in Theoretical Physics, Université Paris-Saclay, Orsay, France
- 09/2014 – 08/2016 : Master of Theoretical Physics, ICFP, Ecole Normale Supérieure, Paris, France.
- 09/2013 – 08/2014 : Bachelor's degree in Physics, FIP, Ecole Normale Supérieure, Paris, France.
- 09/2013 – 09/2017 : graduate of the Ecole Normale Supérieure, Paris, France.

Selected publications

- Jet Definition and Transverse-Momentum-Dependent Factorization in Semi-Inclusive Deep-Inelastic Scattering, Paul Caucal, Edmond Iancu, Alfred H. Mueller, Feng Yuan, *Physical Review Letters* 134 (2025) 6, 6
- Back-to-Back Inclusive Dijets in Deep Inelastic Scattering at Small x : Complete NLO Results and Predictions, Paul Caucal, Farid Salazar, Björn Schenke, Tomasz Stebel, Raju Venugopalan, *Physical Review Letters*, 132, 8, 2024,
- Anomalous diffusion in QCD matter, Paul Caucal, Yacine Mehtar-Tani, *Physical Review D*, 106, 5, 2022,
- Dijet impact factor in DIS at next-to-leading order in the Color Glass Condensate, Paul Caucal, Farid Salazar, Raju Venugopalan, *Journal of High Energy Physics*, 11, 2021,
- Vacuumlike jet fragmentation in a dense QCD medium, Paul Caucal, Edmond Iancu, Alfred H. Mueller, Gregory Soyez, *Physical Review Letters* 120 (23), 2018