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# BORIS POST

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EMPLOYMENT	<b>Postdoctoral Research Associate</b> <i>Mathematical Institute, University of Oxford</i> 2025 - present
	<ul style="list-style-type: none"><li>• Mathematical physics group of prof. dr. Mark Mezei.</li><li>• Research area: quantum gravity, AdS/CFT, quantum chaos.</li></ul>
	<b>Ph.D. in Theoretical Physics</b> <i>Institute for Theoretical Physics, University of Amsterdam</i> 2021 - 2025
	<ul style="list-style-type: none"><li>• Supervisor: prof. dr. Jan de Boer.</li><li>• Co-supervisor: prof. dr. Erik Verlinde.</li><li>• Dissertation: “Quantum Chaos and Topology: New perspectives on low-dimensional quantum gravity.”</li><li>• Doctorate awarded Cum Laude.</li></ul>
	<b>Teaching Assistant</b> <i>University of Amsterdam</i> 2019 - 2021
	<ul style="list-style-type: none"><li>• Tutorial sessions for undergraduate and graduate courses (see <i>Teaching</i>).</li><li>• Course development for <i>Quantum Physics 2 for Mathematical Physicists</i>.</li></ul>
EDUCATION	<b>MSc in Theoretical Physics (138 EC)</b> <i>University of Amsterdam</i> 2019 - 2021
	<ul style="list-style-type: none"><li>• GPA: 9.1 / 10, Cum Laude.</li><li>• Research project thesis (60 EC): “Ensemble averaging in JT gravity”.</li></ul>
	<b>Composition, preparatory year</b> <i>Conservatory of Amsterdam</i> 2018 - 2019
	<ul style="list-style-type: none"><li>• Studied with: Willem Jeths.</li></ul>
	<b>Double BSc in Physics and Mathematics (260 EC)</b> <i>University of Amsterdam</i> 2015 - 2018
	<ul style="list-style-type: none"><li>• Graduated with a Honours degree.</li><li>• Thesis (30 EC): “Toric geometry in the Gauged Linear Sigma Model”.</li></ul>
	<b>BSc in Physics and Astronomy (first year only)</b> <i>University College London</i> 2014 - 2015
<ul style="list-style-type: none"><li>• Top 5% of the class.</li></ul>	
<b>International Baccalaureate (IB)</b> <i>English Language and Literature A</i> 2011 - 2014	
<ul style="list-style-type: none"><li>• Diploma awarded with highest mark.</li></ul>	
<b>VWO (Preparatory Scientific Education)</b> <i>Berlage Lyceum Amsterdam</i> 2008 - 2014	
<ul style="list-style-type: none"><li>• Graduated Summa Cum Laude.</li><li>• Bilingual education (English, Dutch).</li></ul>	

- PUBLICATIONS
1. J. de Boer, J. Kames-King and **B. Post**, “Surgery and statistics in 3D gravity,” *Preprint: arXiv:2506.04151 [hep-th]* (2025).
  2. **B. Post** and I. Tsiaras, “A non-rational Verlinde formula from Virasoro TQFT,” *Journal of High Energy Physics* **04** (2025) 015. e-print: arXiv:2411.07285 [hep-th].
  3. J. de Boer, D. Liska and **B. Post**, “Multiboundary wormholes and OPE statistics,” *Journal of High Energy Physics* **10** (2024) 207. e-print: arXiv:2405.13111 [hep-th].
  4. J. de Boer, D. Liska, **B. Post** and M. Sasieta, “A principle of maximum ignorance for semiclassical gravity,” *Journal of High Energy Physics* **02** (2024) 003. e-print: arXiv:2311.08132 [hep-th].
  5. A. Altland, **B. Post**, J. Sonner, J. van der Heijden and E. Verlinde, “Quantum chaos in 2D gravity,” *SciPost Phys.* **15** (2023) 064. e-print: arXiv:2204.07583 [hep-th].
  6. **B. Post**, J. van der Heijden and E. Verlinde, “A universe field theory for JT gravity,” *Journal of High Energy Physics* **05** (2022) 118. e-print: arXiv:2201.08859 [hep-th].

- TEACHING
- |   |             |
|---|-------------|
| <b>Teaching assistantships for Master’s courses</b>   | 2021 - 2024 |
| <ul style="list-style-type: none"> <li>• General Relativity (6 EC).</li> <li>• Quantum Field Theory 3 (3 EC), twice.</li> <li>• String Theory (6 EC), twice.</li> </ul>   |             |
| <b>Teaching assistantships for Bachelor’s courses</b>   | 2019 - 2023 |
| <ul style="list-style-type: none"> <li>• Quantum Physics 2 for Mathematical Physicists (6 EC).</li> <li>• Advanced Quantum Physics (6 EC).</li> <li>• Atomic Physics (6 EC), thrice.</li> <li>• Electrodynamics (6 EC), twice.</li> <li>• Waves and Oscillations (6 EC).</li> </ul> |             |

ACADEMIC ENGAGEMENT	<b>Research visits</b>	
	• 4-week visit to Prof. dr. Eric Perlmutter and his group. <i>IPhT, Paris Saclay, and IHÉS, Paris Orsay.</i>	Jan - Feb 2024
	• 1-week visit to Prof. dr. Julian Sonner and his group. <i>University of Geneva, Switzerland.</i>	August 2023
	<b>Invited workshops and conferences</b>	
	• Workshop on holography, gauge theories and black holes <i>University of Southampton</i>	July 2025
	• HoloUK <i>University of Oxford</i>	March 2025
	• Statistical mechanics, Algebra, and Geometry <i>SwissMAP Research Station, Le Diablerets</i>	February 2025
	• Amsterdam String Workshop <i>Poster presentation and Gong Show talk</i>	June 2024
	• Strings <i>CERN, Geneva</i>	June 2024
	• Speakable and Unspeakable in Quantum Gravity <i>Institut Pascal, Paris Saclay</i>	May 2024
• New connections: chaos, field theory and quantum gravity <i>SwissMAP Research Station, Le Diablerets</i>	January 2023	
• Strings <i>University of Vienna</i>	July 2022	
• Amsterdam String Summer Workshop <i>Poster presentation and Gong Show talk</i>	July 2022	
• Strings, Cosmology, and Gravity Student Conference <i>University of Amsterdam. Poster presentation and Gong Show talk</i>	May 2022	
<b>Invited talks and seminars</b>		
• Imperial College London	November 2025	
• University of Southampton	July 2025	
• University of Oxford	March 2025	
• Ghent University	November 2024	
• IPhT Paris Saclay	February 2024	
• Weizmann Institute	December 2023	
• UvA String Seminar	Dec 2023, Dec 2022	
DOCTORAL SCHOOLS	Dutch Research School of Theoretical Physics <i>Callantsoog.</i>	May 2023
	Dutch Research School of Theoretical Physics <i>Dalfsen.</i>	May 2022
	Solvay Institute Doctoral School <i>ENS Paris, ULB and VUB Brussels, University of Amsterdam, University of Geneva.</i>	Sep 2021 - Jan 2022
ACADEMIC SERVICE	<b>Peer reviews:</b> Journal of High Energy Physics.	2023 - 2025
	<b>Outreach:</b> 10 online popular science articles for <i>The Quantum Universe</i> : <a href="https://www.quantumuniverse.nl/author/boris-post">https://www.quantumuniverse.nl/author/boris-post</a> .	2022 - 2024

## SKILLS

**Languages:** Dutch (native), English (fluent), French (good), Yiddish (basic).

**Programming:** Python, Mathematica, MATLAB.

**Musician/composer:** Renaissance lute, vihuela, guitar, harpsichord, choir, live electronics.

**Performing artist:** With concerts and shows given in, amongst others, Digital Tsunami Festival (Lithuania), Cafe OTO (London), Berghain (Berlin), Phorma Festival (Moscow), Griessmuehle (Berlin), l'International (Paris), Bussey Building (London), The Waiting Room (London), Astron (Athens), L'Embobineuse (Marseille), Mjut (Leipzig), Muziekgebouw (Amsterdam), Concertgebouw (Amsterdam), Garage Noord (Amsterdam).