Alistair J. Chopping

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Durham University
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I am currently a PhD student under the supervision of Dr Charlotte Sleight, in the Department of Mathematical Sciences at Durham University. I am interested in holography and the cosmological bootstrap, and a description of my project can be found at https://gtr.ukri.org/projects?ref=studentship-2567207.

Education

- **PhD Mathematical Sciences - Theoretical Physics.** *October 2021- Present*
  Department of Mathematical Sciences, Durham University, UK.

  Supervisor: *Dr Charlotte Sleight.*
  Funded by an STFC Studentship.

- **MPhys (Hons) Theoretical Physics.** *September 2017 - June 2021.*
  Department of Physics, Swansea University, UK.

  Grade: 1st Class Honours, 89% Average.
  MPhys Thesis: *Black Holes and The Information Loss Paradox.*
  Supervisors: *Professor Timothy Hollowood & Professor S. Prem Kumar.*

  Grades include:
  100% in Quantum Mechanics II, Mathematical Methods I and Physics Simulation,
  99% in Statistical Physics and Foundations of Astrophysics,
  94% in Advanced Particle Physics,
  92% in General Relativity,
  89% in Quantum Field Theory.

Academic Experience

Honours & Awards

- PM Davidson Prize for Master's Level Research in Theoretical Physics *2021*.
  Swansea University, UK.

Attended Conferences/Schools

- Paths to Quantum Field Theory, *August 2022*
  Durham University, UK.
- North British Mathematical Physics Seminar, *June 2022*
  University of York, UK.
- Higgs Centre School of Theoretical Physics, *May 2022*
  University of Edinburgh, UK.

Seminar Organisation

- Theoretical Physics Student Seminar Series, *September 2022-Present*
  Durham University, UK.

  A seminar series with participants from the particle theory groups in both the mathematics and physics departments at Durham, in an effort to foster a stronger connection between the two.

Additional Information

Computing Skills

- *Programs & Programming* - Good knowledge of LaTeX & Microsoft Office. Knowledge of *Mathematica*. Previous knowledge of Python from several undergraduate courses.
- *Operating Systems* - Good knowledge of Microsoft Windows.

Languages

- Modern Greek - Elementary Proficiency.

Referees

- **Dr Charlotte Sleight**, Department of Mathematical Sciences and Computer Science, Durham University, UK.
  E-mail: charlotte.sleight@durham.ac.uk.
- **Dr Ben Hoare**, Department of Mathematical Sciences and Computer Science, Durham University, UK.
  E-mail: ben.hoare@durham.ac.uk.