Alistair J. Chopping

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Durham University Department of Mathematical Sciences

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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 , Mathematica & Microsoft Office. Previous experience with Python from several undergraduate courses.
- $\bullet \;\; Operating \; Systems$ Good knowledge of $\it Microsoft \; Windows.$

Foreign Language Skills

• 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.