

Alistair J. Chopping

Curriculum Vitae

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I am currently a first-year PhD student under the supervision of Dr Charlotte Sleight, in the Mathematics department at Durham University. I am interested in theoretical high-energy physics; my project is entitled "Bootstrapping Holography", and a description 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 & Centre for Particle Theory, Durham University, UK. Office MCS3010.

Supervisor: Dr Charlotte Sleight.
Project: "Bootstrapping Holography".
Funded by an STFC Studentship.

- **MPhys (Hons) Theoretical Physics.** *September 2017 - June 2021.*
Department of Physics, Swansea University, UK.
1st Class Honours, 89% Overall Average.
Recipient of the PM Davidson Prize for Best Theoretical Project at Level M.

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.

- **GCSEs & A-levels** *September 2009 - June 2017*
Hanley Castle High School & Sixth Form Centre, Worcestershire, UK.
A-Levels: Physics, Mathematics, Chemistry, AS-Level Biology.
8 GCSEs, including English Language and English Literature.

Technical Skills

- **Computing Skills**
Good knowledge of \LaTeX & Microsoft Office. Knowledge of Mathematica (last used for calculations relating to black hole thermodynamics & evaporation for MPhys project). Previous knowledge of *Python* (used for integration, data analysis, solving ODEs & Monte Carlo methods during MPhys degree).

- **Languages**

Modern Greek – Elementary proficiency.

References

- **Professor Timothy Hollowood**, Department of Physics, Swansea University, UK.
E-mail: t.hollowood@swansea.ac.uk.
- **Professor Carlos Núñez**, Department of Physics, Swansea University, UK.
E-mail: c.nunez@swansea.ac.uk.