

Christian de Podesta

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Physics graduate student with exceptional experimental research, data-analysis and problem solving skills.

EDUCATION AND PRIZES

PhD Condensed Matter Physics <i>University of Cambridge</i>	Cambridge, UK 2020-Present
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- Thesis on ferromagnetic metals and unconventional superconductivity at quantum critical points.
- Precision measurements in extreme conditions such as pressures >10 GPa, temperatures >0.015 K, and magnetic fields >40 T.
- Cryostat engineering, data-analysis, electronic structure simulations and problem solving.
- Written successful experiment grant proposals and awarded ISIS travel grants.
- Managed experimental collaborations at the Diamond Light Source Synchrotron (UK), Swiss Muon Source PSI (Switzerland), the US National MagLab (Tallahassee), and HFML (Netherlands).
- Chair of Quantum Matter Reading Group.

* EPSRC and Cavendish Scholarships * SCES conference Poster Prize

MSci Physics with First Class Honours <i>University of Bristol</i>	Bristol, UK 2016-2020
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- Design and characterisation of plasmonic nanoparticle devices.

* Masters Thesis Commendation

PROFESSIONAL EXPERIENCE

Supervisor <i>University of Cambridge</i>	2020-2023
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Teaching at Trinity College and Newnham College, and running Part 3 lab practicals.

Institute of Physics Campus Ambassador <i>University of Bristol</i>	2018-2020
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Promoted physics engagement, careers events and exhibited with Universities, Schools, at Science fairs and Music Festivals.

PASS Leader <i>University of Bristol</i>	2018-2019
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Led peer assisted study sessions (PASS) teaching undergraduate physics, maths and coding.

Temperature & Humidity Intern <i>National Physical Laboratory</i>	2018
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Investigated radiative errors in precision air temperature measurements.

Volunteer Demonstrator <i>Royal Society Summer Exhibition</i>	2018
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Presented educational demonstrations to the general public, raising awareness of revisions to the SI base units.

PUBLICATIONS AND CONFERENCE CONTRIBUTIONS

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- Presented posters at SCES 2022 (Amsterdam), SCES 2023 (Seoul) and talk at DPG Condensed Matter March Meeting 2023.
 - [Google Scholar Profile](#)

SKILLS AND EXPERIENCE

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- *Python, L^AT_EX, Origin, LabView*
 - Scientific writing, teaching, communication and outreach
 - Electric Guitar Luthiery and Valve Amplifiers