

# Welcome and Introduction to Oxford Physics and Particle Physics

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Welcome from the 513 professors, researchers and staff & 406 PhD students and 760 undergraduates in Oxford Physics (about 1600 people in total)



## Oxford University



A collegiate university.

How it works:

The University is akin to the US Federal Government The 43 Colleges are akin to the US States All students and most academics are members of both a college and the university 11,700 Undergraduates
22,300 total students
Operating budget - ~£2 Billion
(~£0.7 Billion is research)
Endowment £11 Billion



### Oxford is international

- We welcomed our first international student Emo of Friesland - in 1190.
- 41% of Oxford students are not from the UK
- 63% of graduate students 19% of undergraduates.

#### **Students by country**

Over 140 countries and territories are represented among the Oxford student body. The largest groups of international students are those from:

- 1. USA 1,441
- China (including Hong Kong and Macao) 1,047
- 3. Germany 837
- 4. India 408
- 5. Italy 378
- 6. Canada 374
- 7. France 299
- 8. Australia 290
- 9. Singapore 267
- 10. Poland 222

- 48% of Oxford academics are from outside the UK
- 57 Nobel Prizes including 27 by our students



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- 57 Nobel Prizes including 27 by our students
- Leader of the University Irene Tracy
- (the 273<sup>rd</sup> person to hold the post)



## Department Profile

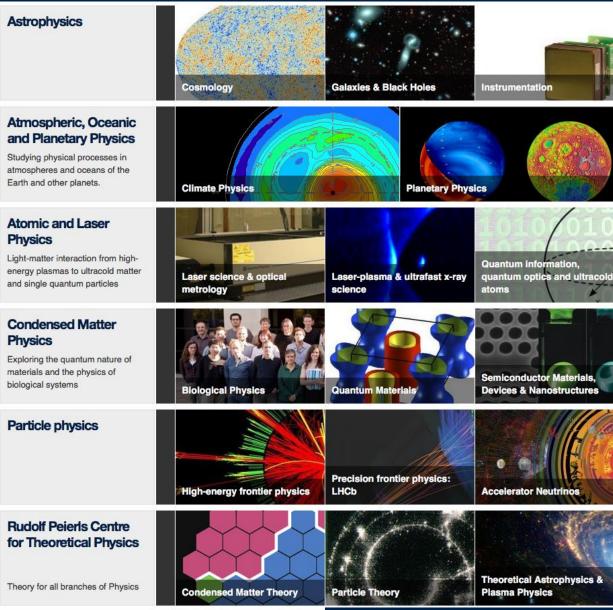
- One of the world's leading physics departments
- Ranked #1 in UK in most recent national research excellence exercise (2022) & routinely in the top 10 globally
- Important source of high-quality staff for academia and industry
- Goal to be #1 in the world in all areas of our activity

| 1 | Massachusetts Institute of Technology (MIT)  © Cambridge, United States        | 98.7 |
|---|--|------|
| 2 | Harvard University © Cambridge, United States                                  | 96.9 |
| 3 | Stanford University  Stanford, United States                                   | 96.4 |
| 4 | University of Cambridge © Cambridge, United Kingdom                            | 95.9 |
| 5 | University of Oxford © Oxford, United Kingdom                                  | 94.8 |
| 6 | Bedselsy University of California, Berkeley (UCB) © Derkeley, United States    | 94.7 |
| 7 | Caltech  California Institute of Technology (Caltech)  Pasadena, United States | 94.4 |
| 8 | Princeton University  © Princeton, United States                               | 92.2 |



P Institute of Physics

Juno Champion



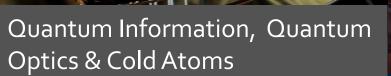
#### Interdepartmental

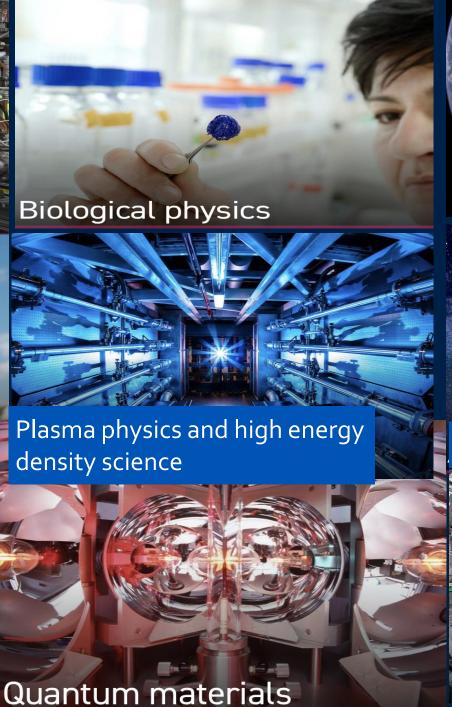
The physics department is also the base for the following groups





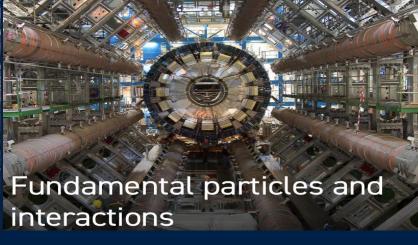














## Oxford Particle Physics

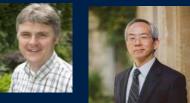
Academics and 30 Senior scientists

26 **PDRAs** 

Students 63

Excellent engineering and technical support staff















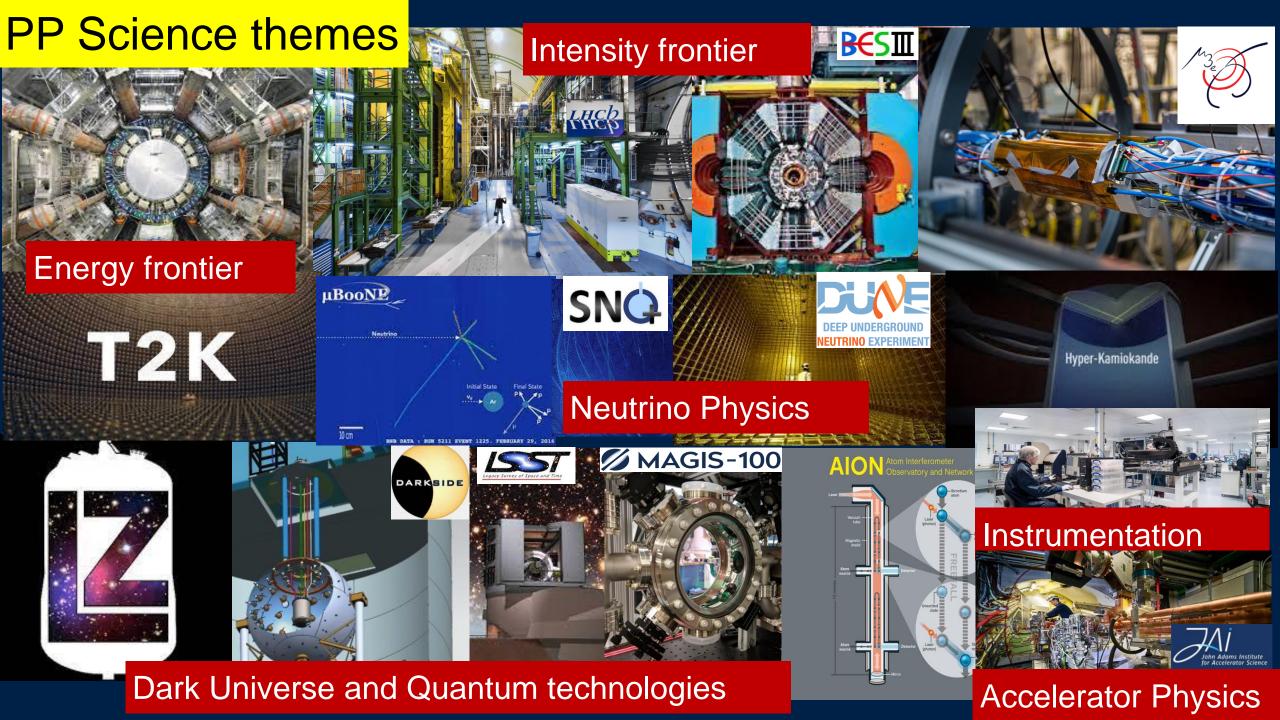














## Welcome and enjoy the amazing opportunities open by PSD13



## THANK YOU!





## Physics at Oxford

17th century

13th century

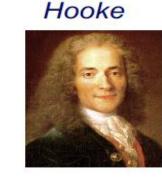


Bacon

Boyle



Hayley



Grossteste

19th century

Reader in Experimental Philosophy appointed,

Experimental Philosophy taught as a degree (1850)

Original Clarendon Laboratory (1872), first purpose-built Physics laboratory in UK

20th century



Henry Moseley uses X-ray spectroscopy to order elements by atomic number







## Oxford Physics Continues in our Mission

WELCOME TO THE DEPARTMENT OF PHYSICS

We apply the transformative power of physics to the foremost scientific problems; educate the next generation of leading physicists; and promote the public understanding of physics.

