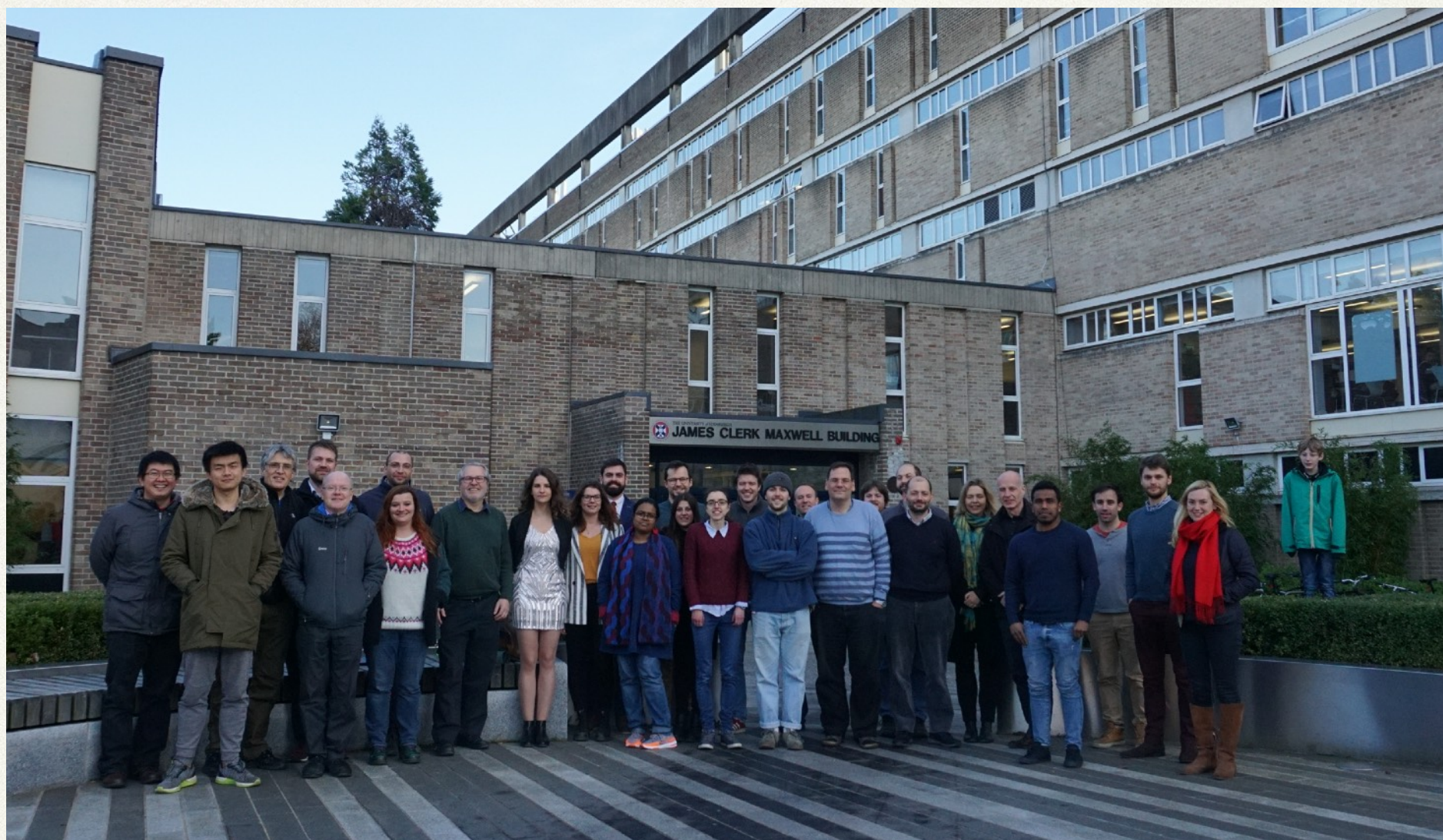




THE UNIVERSITY
of EDINBURGH



The State of (the PPE) Nation

Victoria Martin & Franz Muheim

14th December 2019

Outline

- ❖ **Group overview**

- ❖ Staff and students

- ❖ Recent successes

- ❖ Infrastructure

- ❖ Support

- ❖ **PPE Activities**

- ❖ ATLAS

- ❖ LHCb

- ❖ GridPP

- ❖ Neutrinos: DUNE, Hyper-K, Watchman

- ❖ Dark matter: LUX, LZ

- ❖ Detector R&D: ATLAS, LHCb, Neutrinos

- ❖ Future Colliders: CLIC, FCC, CEPC

- ❖ Outreach

PPE Group Academics

- ❖ Phil Clark
- ❖ Pete Clarke
- ❖ Sinead Farrington
- ❖ Yanyan Gao *New!*
- ❖ Christos Leonidopoulos
- ❖ Victoria Martin
- ❖ Franz Muheim - *Head of Group*
- ❖ Alex Murphy - *also Nuclear Physics group*
- ❖ Matt Needham



- ❖ **Honorary & visiting academics**
- ❖ Fabiola Gianotti
- ❖ Ken Peach
- ❖ Alan Walker
- ❖ Steve Playfer



PPE Group Staff



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- ❖ ATLAS: Ben Wynne, Liza Mijovic, Hasib Ahmed, Antonia Struebig
- ❖ ATLAS: Michele Gianelli, Serena Palazzo *New!* Daria Morozova *New!*
- ❖ ATLAS: Guillermo Hamity *New!* Andreas Søgaard, Akanksha Vishwakarma *New!*
- ❖ ATLAS/LHCb: Stephan Eisenhardt
- ❖ LHCb: Silvia Gambetta, Marco Pappagallo
- ❖ DUNE: Miquel Nebot
- ❖ WATCHMAN: Gary Smith
- ❖ Hyper-K: Lilia Drakopoulou
- ❖ LUX/LZ: Xin Ran Liu
- ❖ Computing / GridPP / LSST: Rob Currie (&LHCb), Teng Li, Wenlong Yuan
- ❖ Technicians: Jon Webster, Bojan Masic
- ❖ Engineers: Chloe Stanton *New!* Owen Shea *New!*

PPE PhD Students

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- ❖ **4+th year** Thomas Davison, Konstantin Gizdov
- ❖ **4th year:** Emmy Gabriel, Matthew Heath, Athoy Nilima, Mahdi Taani, Yixuan Zhang, Jennifer Zonneveld
- ❖ **3rd year:** Elisabeth Leason, Stefano Petrucci, Emily Takeva
- ❖ **2nd year:** Thomas Carter, Sara Mitchel, Neofytos Themistokleous, Elena Villhauer
- ❖ **1st year:** Estifa'a Zaid, Victoria Parrish, Emily Pender, Gary Robertson



MSc and MPhys students

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- ❖ MPhys: Currently 9 MPhys student projects in PPE (September - March)
- ❖ MSc: 11 students on MSc in Particle & Nuclear Physics
 - 7 will do projects in PPE over the summer (late May - August)



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- ❖ Staff, PhD & masters students
- ❖ including ... 2 Emilys, 2 Garys, 2 Matts, 2 Victorias!

Congratulations and fond Goodbyes...

- ❖ **Andy Washbrook → Cardiff**
- ❖ **Steve Playfer → Nagoya**
- ❖ **Graduation:**
 - ◆ Dr Alan Taylor
 - ◆ Dr Iwan Smith
 - ◆ Dr Xanthe Hoad
 - ◆ Dr Andreas Søggard
- ❖ **Andreas → Machine Learning
& fatherhood in Denmark**



The Big Move...

- ❖ Student office 5301 → 3305
- ❖ Meeting room 5202 → 3303
 - ❖ New videoconf system, kitchen and coffee machine
- ❖ Move will happen early 2020

Consolidated Grant

- ❖ Thanks to everyone's help, the group was awarded a consolidated grant from STFC of £2,978,673.
- ❖ This pays for postdocs, (fraction of) academics, admin support, equipment, travel ...

PhD & MSc Recruitment

- ❖ PhD recruitment: coordinated by Sinead

- ❖ <https://www.ph.ed.ac.uk/studying/postgraduate-research/research-opportunities/particle-physics-experiment>

- ❖ 1st round deadline: end of January, interviews in March

- ❖ MSc in Particle & Nuclear Physics

- ❖ Matt is programme director

- ❖ Course starts September 2020: applications open

- ❖ <https://www.ph.ed.ac.uk/msc-particle-nuclear-physics>

Travel

- ❖ Before you confirm any travel, please check with your supervisor.
- ❖ The department can book travel (flights, trains, hotels) for you (email admin, cc your supervisor).
- ❖ If you are arranging your own travel outside the UK please let admin know so you have travel insurance
 - ❖ email admin-general@ph.ed.ac.uk
- ❖ For UK travel: train > plane
- ❖ *Per-diem* for trips to CERN might be coming

Computing

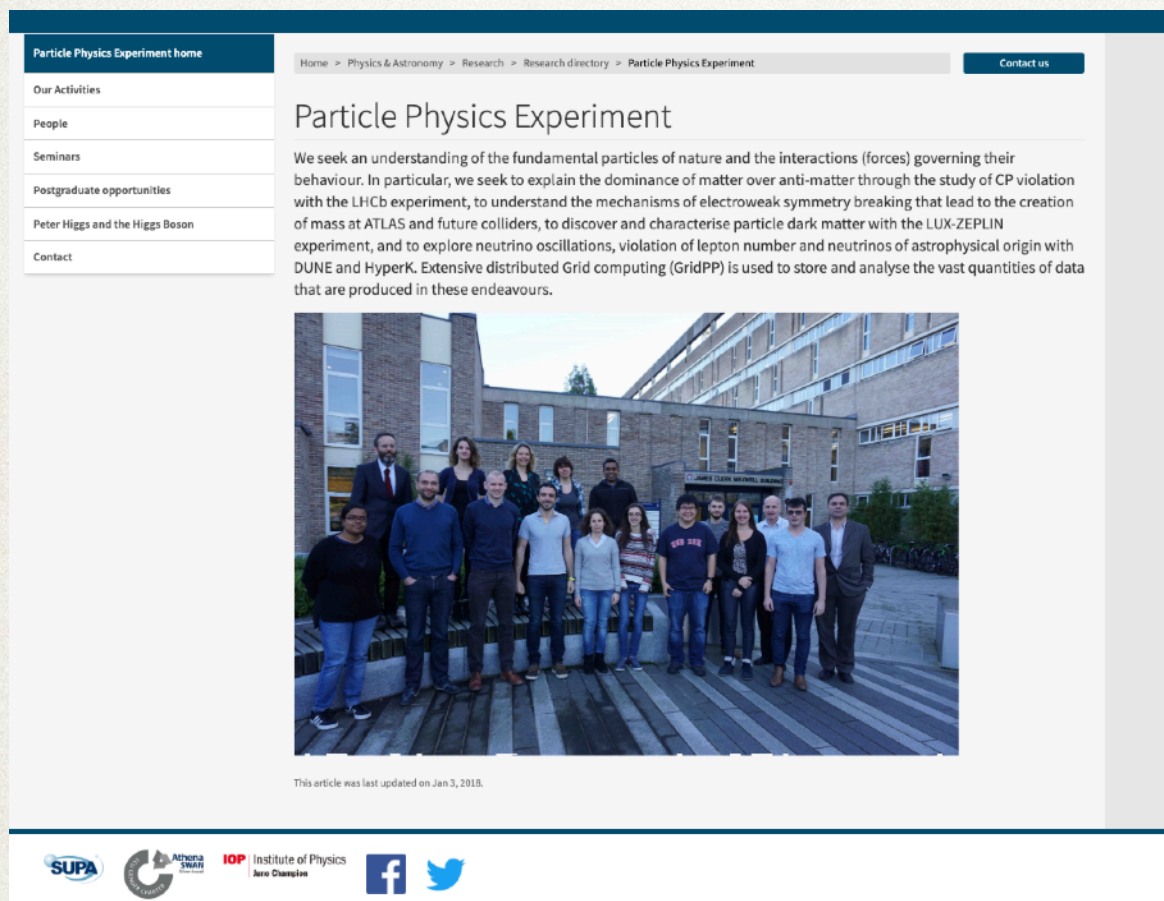
- ❖ Rob is our computing support officer!
- ❖ Please contact him if you need a desktop computer, laptop, access to computing resources ...

Seminars

- ❖ Friday at 4pm
- ❖ Xin Ran is our seminar organiser
- ❖ <https://www.ph.ed.ac.uk/particle-physics-experiment/seminars>
- ❖ Please let me Xin Ran if you have any suggestions for speakers! If you have a friend with a interesting talk, we have invite them to Edinburgh!

Social Media Strategy

- ❖ Twitter: [@Edinburgh_PPE](https://twitter.com/Edinburgh_PPE) - Suggest any tweets to Xin Ran (@XinRanLiu_1)
- ❖ Web: <https://www.ph.ed.ac.uk/particle-physics-experiment>
 - ❖ - Sinead and Matt may be able to edit webpages please suggest to them any changes.





Wall Displays

Please suggest any pictures for the 34xx corridor walls to Victoria & Xin Ran