

Particle Physics Annual Meeting 2026

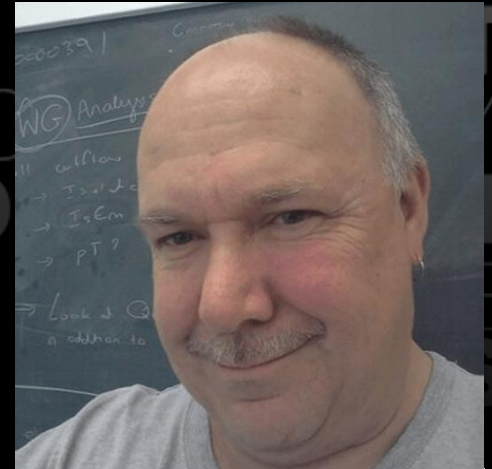


We remember

It was deeply sad to lose two dear friends and colleagues.

Steve Maxfield passed away after a long illness in June. Steve was the PI for our g-2 group until his retirement in 2017. He continued to teach our PhD students Quantum Field Theory, until he was sadly too ill to do so.

Paul Dervan's very sudden passing in July came as a great shock. Paul worked on the construction, commissioning and operation of the ATLAS SCT tracker and on the ATLAS ITk pixel endcap project.





General group news & highlights

Welcome to our new PhD students: Lennox Wood, Oliver Goodall, Tom Lenane, Sean Isaac, Shreya Pipraiya, Giuseppe Costantino, Chetan Parmar, Bethan Twigg, Heriques Gatti, Brandon Crowley, Paraskevi Alexaki, Mingyu (Britta) Zhang, Qianying Wu, Zekun Yang

Farewell and thank you to: Ayushi Khatri (now in industry), Juan Leite (now at CBPF, Brazil), Carlos Chavez (now in industry), Gedminas Elertas (now in industry), Manex Ormazabal (degree course robotics), James Gooding (now in industry), Paras Naik, John Plows, Andrew Carroll and Ellen Sandford

Congratulations on many new roles:

- Tara Shears - chair of the physics sub-panel for REF 2029
- Sergey Burdin - member STFC Science Board – Facilities
- Monica D’Onofrio – ATLAS-UK PI and FASER CB Chair
- Carl Gwilliam - Computing Resource Management (CREM) chair
- Jan Kretzschmar - ATLAS Publication Committee Chair
- Eva Vilella – deputy PL LHCb Mighty Tracker
- Jonathan Tinsley - MAGIS-100 Offline coordination
- John Anders - ATLAS Strong SuSy convenor, SCT offline software coordinator
- Jordy Degens ATLAS Tau Reconstruction and ID convenor
- Ewan Fraser - LZ Data Quality convenor
- Sam Jenkins - T2K neutrino cross-sections convenor

PARTICLE
PHYSICS
FUNDAMENTAL
SCIENCE
ENGINEERING
IMPACT
PHENOMENOLOGY
OUTREACH
PARTICLE
PHYSICS
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PhDs completed since last meeting 2025.



Beth Slater -
Enhanced Sterile
Neutrino Oscillation
Sensitivities using
SBND-PRISM



Thomas Ackernley -
machine learning models
for proton computed
tomography and LHCb
particle tracking".



James Brown -
Search for Right-
Handed Weak Decays
in LHCb



Rebecca Irwin -
Search for long lived
ALPs that decay into
diphoton, and SCT
studies in ATLAS



Henry Throssel -
Phase Shear platform
development for
MAGIS

Congratulations!



Samuel Alibocus -
High Mass Drell-Yan
measurements at
ATLAS.



Alan Taylor -
Development of radiopure
silicon photomultiplier
assemblies for the
DarkSide-20k experiment

Fajer Alqahtani - Simulation of
proton and carbon ion beams for
therapy.

Connor McPartland - search for
lepton-flavour violating $\tau \rightarrow 3\mu$
decays with the ATLAS
experiment



Ben Wade -
characterisation of HV-
CMOS devices for high
radiation tolerance

Some general highlights

- Second Particle Physics Masterclass
- 2026 Breakthrough Prize for Fundamental Physics for the measurement of the muon anomalous magnetic moment (4th prize after awards Higgs, neutrino oscillations, LHC programme)
- Two successful events at the British Science Festival
- NuFACT 2025 hosted in Liverpool
- 3rd Liverpool Muon Precision Physics Workshop
- FASER collaboration meeting
- Visit of pro Vice-Chancellors Anthony Hollander and Tariq Ali to CERN

And many new physics results, progress on projects and new projects

→ see presentations in this meeting

