

FCC-UK annual meeting- Introduction



Sarah Williams and Andy Pilkington,
On behalf of the incoming and outgoing FCC-UK coordination



Introduction



- Thanks for making the time to join (in-person or remotely).
- This meeting aims to both celebrate our contributions to the FCC feasibility study and start community-building for the next phase. We will cover:
 - The outcome of the FCC feasibility study.
 - International and UK FCC priorities for the coming years.
 - UK contributions to the feasibility study.
- Now is a great time to take stock and think about areas where the UK could contribute in the next stage of FCC (accelerators, detector concepts, physics studies).

FCC-UK annual meeting, IPPP Durham, 12/11/2025- Introduction

11:15	→ 11:30	Introduction & Welcome	
11:30	→ 13:00	Talks: Status of FCC and next steps	
11:30		Outcome of the FCC feasibility study Speaker: Guy Wilkinson (University of Oxford)	⌚ 30m
12:00		Towards detector concepts Speaker: Mogens Dam (Neils Bohr Institute)	⌚ 30m
12:30		Higgs and Electroweak Physics at FCC Speaker: Michele Selvaggi	⌚ 30m
13:00	→ 14:00	Lunch	
		Lunch	
14:00	→ 17:05	Talks: UK contributions to FCC feasibility study	
14:00		Development of the IP Feedback system for FCC-ee (15+5) Speaker: Jack Salvesen	⌚ 20m
14:20		Design of the main ring beam position monitors (15+5) Speaker: Emily Howling UK_FCC_m...	⌚ 20m
14:40		CPV in Higgs couplings to Z bosons at FCC-ee and FCC-hh (20+5) Speaker: Julia Silva (University of Edinburgh)	⌚ 25m
15:05		Constraining new scalars that affect the EW transition at FCC-ee (15+5) Speaker: Graeme Crawford (University of Glasgow)	⌚ 20m
15:25		BSM lessons from a Higgs-pole run at FCC-ee (15+5) Speaker: Ben Smith (University of Glasgow)	⌚ 20m
15:45		Tri-Higgs production at FCC-hh (15+5) Speakers: Holly Pacey, James Frost (RAL-STFC), Tom Dingley	⌚ 20m
16:05		Long-lived particle searches at FCC-ee (15+5) Speaker: Dr Sarah Williams (University of Cambridge)	⌚ 20m
16:25		Detector tracker concepts for FCC-ee (15+5) Speaker: Yanyan Gao (University of Edinburgh)	⌚ 20m
16:45		Towards calorimetry at 100TeV: lessons from CMS High Granularity Calorimeter (15+5) Speaker: Indranil Das (Imperial College London)	⌚ 20m

Thanks to Guy, Andy and Uta

... for their leadership, guidance and enthusiasm for FCC in these crucial early years, and their continued efforts to build our community!



FCC-UK coordination



New organisational structure for FCC-UK to better align with the central FCC structure...

FCC-UK physics, experiments and detectors (PED) coordinator, and spokesperson



Sarah Williams

sarah.louise.williams@cern.ch

FCC-UK accelerators coordinator



Rob Appleby

Robert.Appleby@manchester.ac.uk

=> Please reach out if you have questions, suggestions or requests. We are excited to work with you all in the coming years.

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Staying in touch



- If you aren't already, please subscribe to the FCC-UK mailing list through the CERN e-groups platform <https://e-groups.cern.ch/e-groups/EgroupsSearch.do>
- Let us know if you have or are planning student projects on FCC, or if there's a new area you'd like to contribute to.
- We hope to have semi-regular FCC-UK meetings starting in the new year- please get in touch with suggestions of topics.

(Final) thanks

- To our hosts at the IPPP for having us here for this meeting :)
- To all the speakers for agreeing to talk today.
- To you all for participating.

