

# IMCC and MuCol Annual Meeting 2025



**Cross-Pollination Crash Course**

**12th May 2025**

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CLUSTER OF EXCELLENCE  
QUANTUM UNIVERSE



# Who is this Crash Course for?

People new to the muon collider!

People wanting an introduction before the annual meeting

HEP experts wanting to know more accelerator technologies

Accelerator experts who want to know more about physics and detector

# Why is this important?

The muon collider is....

AMBITIOUS

INNOVATIVE in all fields

**Big!**

Interdisciplinary

L o n g - t e r m

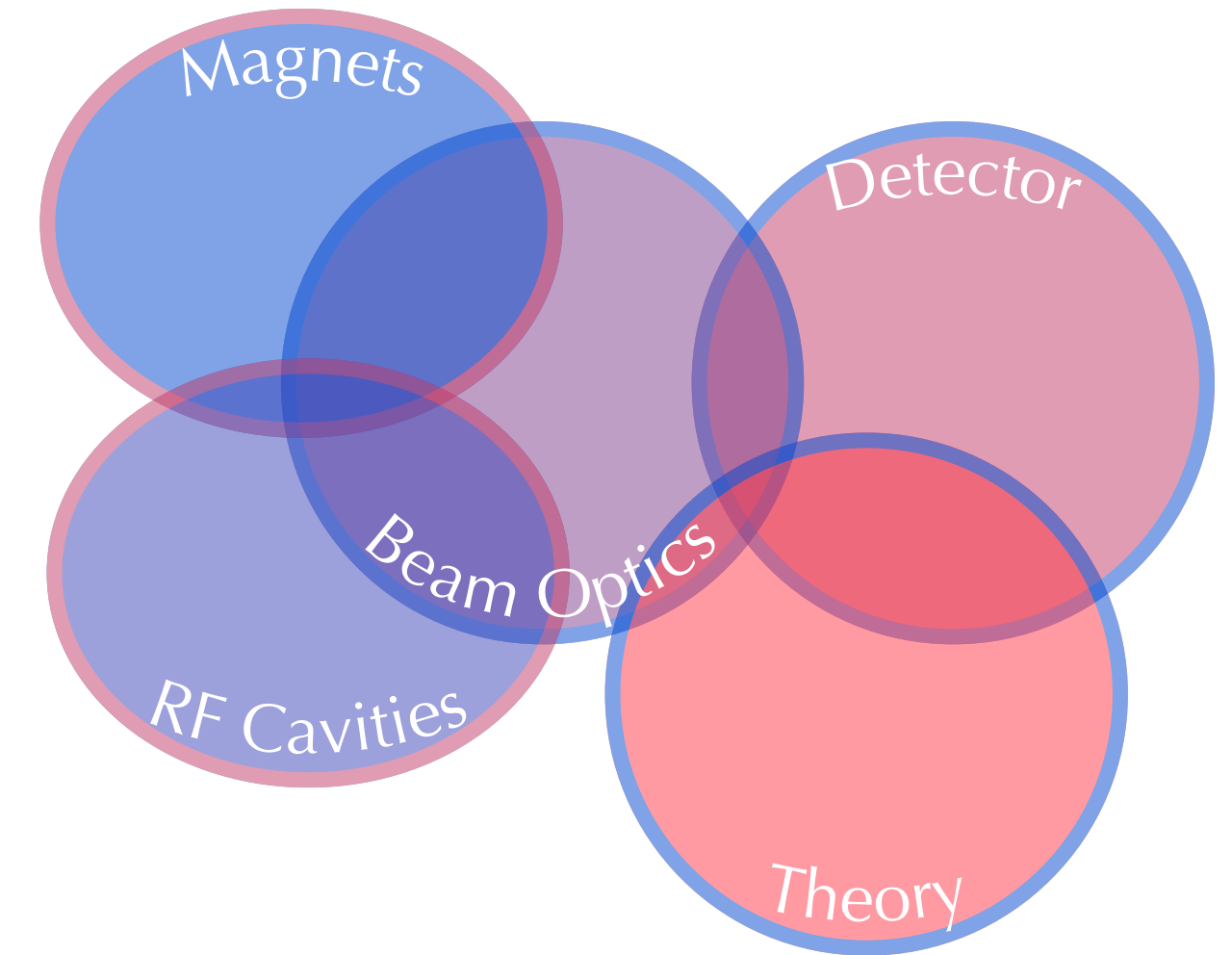
*A passion project*

Relatively new

...meaning we need to train frequently, across the whole community, and preserve experience and training across generations.

# What will we cover this course?

09:00	→ 09:10	<b>Welcome</b> <b>Speakers:</b> Kiley Kennedy (Princeton University (US)), Rebecca Taylor (CERN) <a href="#">Accelerator_Crash_...</a>
09:10	→ 09:30	<b>Muon Collider beam physics</b> <b>Speaker:</b> Rebecca Taylor (CERN) <a href="#">Accelerator_Crash_...</a> <a href="#">Beam Physics Slides</a>
09:35	→ 09:55	<b>Muon Collider RF</b> <b>Speaker:</b> Simon Albright <a href="#">IMCCMuonRF.pptx</a>
10:00	→ 10:20	<b>Break</b>
10:25	→ 10:50	<b>Break</b>
10:50	→ 11:10	<b>Muon Collider theory</b> <b>Speaker:</b> Cari Cesarotti (Massachusetts Institute of Technology) <a href="#">crossPoll_IMCC25.p...</a>
11:15	→ 11:35	<b>Muon Collider experiment</b> <b>Speaker:</b> Kiley Kennedy (Princeton University (US))
11:40	→ 12:40	<b>Scientific communication: crafting your message</b> <b>Speaker:</b> Sarah Charley (Deputy Editor, Symmetry magazine) <a href="#">Made to Stick_IMC...</a>



Difficult to cover everything in one morning. Hopefully the first of many such courses