

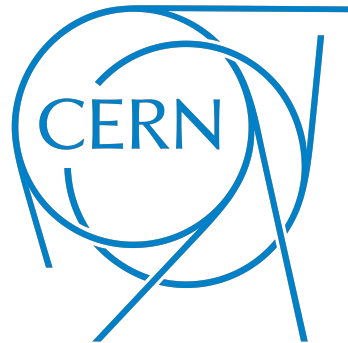


# Day-2

# Liverpool@CERN

# Particle Physics School

Cristiano Sebastiani  
23 Aug 2022



UNIVERSITY OF  
LIVERPOOL

# Intro

- Remember to provide a feedback on Yesterday's virtual tour to the Anti-Matter production site: the form is linked at the bottom of this page <https://indico.cern.ch/event/1191467/> (Needs to be done before 2pm!)
- Today's activities:
  - Lectures!
  - Unofficial ATLAS control room virtual visit
  - ATLAS data tutorial

## Today's agenda

09:55 → 10:00	<b>Introduction talks: Welcome/Announcements</b> Convener: Cristiano Sebastiani
09:55	<b>Introduction Tuesday</b> Speaker: Cristiano Sebastiani
10:00 → 11:00	<b>Lecture: Antimatter</b>
10:00	<b>Antimatter</b> Speaker: Dr Joe McKenna
11:00 → 12:00	<b>Lecture: Particle Detection</b>
11:00	<b>Particle Detection</b> Speaker: Dr Vinicius Franco Lima
12:00 → 13:00	<b>Lunch break</b>
13:00 → 14:00	<b>External activity: ATLAS cavern Virtual Tour</b> ¶ Convener: Cristiano Sebastiani
14:00 → 14:30	<b>Break/Q&amp;A/overrun</b>
14:30 → 17:00	<b>Workshop: ATLAS Open Data tutorial</b> Convener: Ricardo Gonzalez Lopez (University of Liverpool (GB))
14:30	<b>ATLAS Open Data tutorial</b> Speaker: Ricardo Gonzalez Lopez (University of Liverpool (GB))

# Treasure hunt solutions

- CERN Director General
  - Fabiola Gianotti
- Typeface
  - Comic Sans
- The letter stands for...
  - Toroidal
- Operation temperature
  - 4.7
- The detector is...
  - Big European Bubble Chamber
- Sat in a beam of...
  - Neutrinos
- Room number
  - 137
- The force is...
  - Electromagnetic
- 4 letters + year
  - Geramart1999
- Experiment conducted by...
  - Chien-Shiung Wu
- Prize won in 1978
  - Wolf Prize in Physics
- Instrument
  - Recorder
- Earliest use of the instrument name
  - 1388
- Title of document
  - Information Management: a proposal
- Ink colour
  - Red
- Quark colours
  - Blue, Green
- Theory
  - Quantum chromodynamics
- Name of collider
  - PETRA
- Bike inventor
  - Mikael Penderson
- Nobel Prize winner
  - Louis de Broglie

# Treasure hunt results

	Icebreaker score	
Team	/23	
Martin, Zain, Blythe, Clinton	12	
Vidhisha, Emily, Mel, Katie	18	
Karna, Leon, Cori, Abhay	8	
Kat, Esme, Tara, Sundeep	20	Winners!
Matt, Andreas, Sofia, Jack	19	