

Programme for “Contested Astrophysics”

The intention is to have a very dynamic meeting with plenty of discussion and interaction, so it should be taken as more of a guide than a rigid schedule. Depending on interest we may include additional talks and/or shift the sessions slightly.

Link to [Google map of venues](#)

Tuesday 12th April

10:00-11:00 Registration and Coffee
11:00-11:30 Welcome and Introduction - Luke and Maria
11:30-12:00 Introduction to Experimental Epistemology for Scientists - What is it and why should we care? James Beebe

Lunch break - table reserved in Searson's pub.

14:00 - 17:30 First Session - Problems of UHECR - break around 15:30 for coffee/tea and group photograph.

Etienne Parizot What do we really know about the UHECR?
Rafael Alves Batista Do magnetic fields frustrate CR astronomy?
Jan Ridky & Jan Ebr Can we disentangle the composition?
Masha Chernyakova High energy particles from the Galactic centre?

18:00 - table reserved in the Sussex restaurant (above O'Brien's pub) for group social dinner.

Wednesday 13th April

9:30-12:30 Morning session - how important are local sources? Coffee break around 10:30

Jim Hinton Cosmic Ray impact; should the rest of the astrophysical community really care about cosmic rays?
Arnold Wolfendale How knobby is the knee?
Yoann Genolini Are the break features a signature of local sources?
Gwenael Giacinti Do we understand the anisotropy data?
A Taylor Extragalactic CRs beyond the Iron knee?

Lunch break - table reserved in Searson's pub.

14:00 - 17:00 Afternoon session - Neutrinos, positrons and Gamma rays - break for coffee/tea at around 15:30

Andres Sandoval Positrons from Geminga?
Antonio Marinelli Where do the Icecube neutrinos come from?
Alessandra Lamastra Gamma rays from AGNs

18:00 - option of attending public lecture in the Royal Irish Academy

[Gravitational lensing: Einstein's unfinished symphony](#) by Prof Richard Ellis.

Thursday 14th April

9:30 - 12:30 How reliable is theory? Coffee break around 10:30

Tony Bell	Can relativistic shocks accelerate particles?
Omar Tibolla	Beyond the standard models for CR origin?
Felix Aharonian	The challenge of extreme accelerators

Lunch break - open air food market on the canal.

!4:00 Afternoon - Summary and wrap-up

Finnur Dellsen	What did a philosopher of science learn from the meeting?
What did we learn?	Discussion led by Luke Drury and Maria Baghramian.

Tea/coffee and departure