

STFC Postgraduate 'Summer' School in Nuclear Physics 2022

Held at University of Sheffield* (27th March – 3rd April 2022)

Organised by

58 PhD student attendees, *all residential* (STFC-funded students, other students, international students and industry)

Daniel Doherty



Marina Petri



- Well received event following isolation of working during lockdowns
- First in-person talk for many students
- Intense programme of lectures, tutorials etc



With thanks to



Career Panel



Organisers with Kayleigh Gates (Glasgow), winner of best 2nd year student talk

* Last-minute venue change from Durham

Scientific Programme

Nuclear Structure Theory (Gezerlis)
Nuclear Structure Experiment (Seweryniak, Crawford)
Nuclear Astrophysics (Lotay, Kankeinan)
Reactions (Cortina, Diaz-Torres)
Hadron Physics (Hen, Bashkanov)
Applications (Harkness-Brennan, Watts)
Laser Spectroscopy (Flanagan)
Public Engagement (Diget)

Hands-on Tutorials - Nuclear Theory (Gerzelis + Moschini), Geant4 (Labiche), Data Analysis Techniques (Hurck)

Student Talk Sessions (three prizes awarded)

Career Session



Feedback - Positives

Excellent feedback on the lectures, stimulating content and variety

Facilities were reviewed very positively (accommodation and food & drink as well as everything being very close together)

Student talk sessions were very well received.

Very well attended, helped by financial support from IOP

Participants enjoyed the opportunities to socialise and meet their peers after several years of disrupted study

Students commented that the School helped them put their work into the context of the wider community

Hands-on tutorial sessions were highlighted as being very useful



Feedback – Room for Improvement

Students would have preferred a less intensive schedule with the content spread over a larger number of days and more extracurricular activities

-> More money...

Content too close and too far away from the focus of student's projects

-> Too close comments likely from nuclear structure, while too far away from more applied side

Mixed feedback on the career session

-> Participants at various levels of their PhD

Some participants noted that they would have liked more information before the school

-> Mea culpa combined with the late venue change

2024 Organisers...?

- Next School to be held in summer 2024.
- Bid to STFC to be prepared by the middle of this year, contacting potential venues etc for quotations before this.
- Programme of lectures and tutorials to prepare.
- A lot of work but overall a very rewarding experience and we are happy to answer any questions.