

ISIS-II: Next steps and opportunities for discussion

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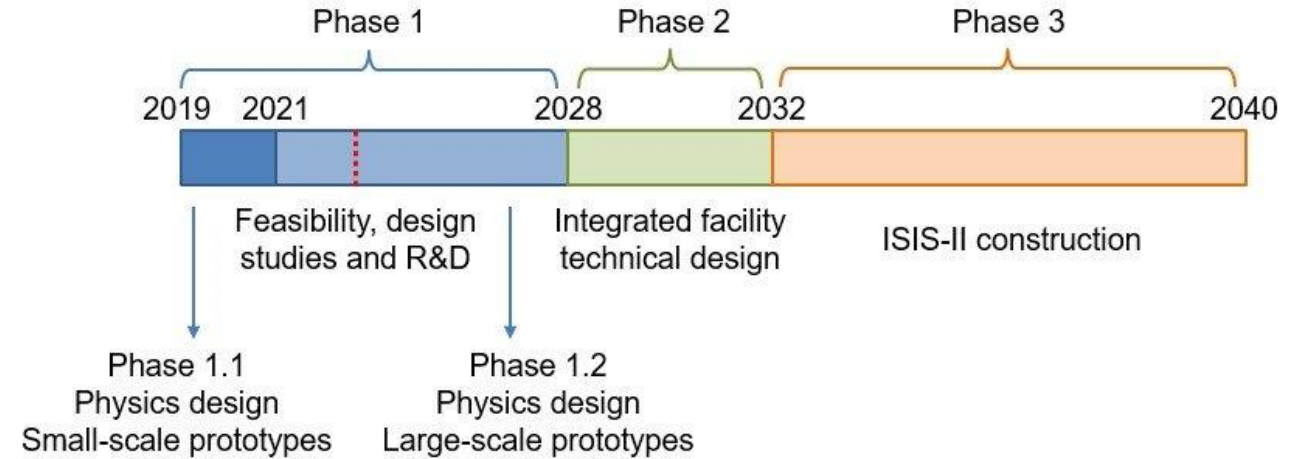
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ISIS Neutron and Muon Source

Next steps for the project: 1

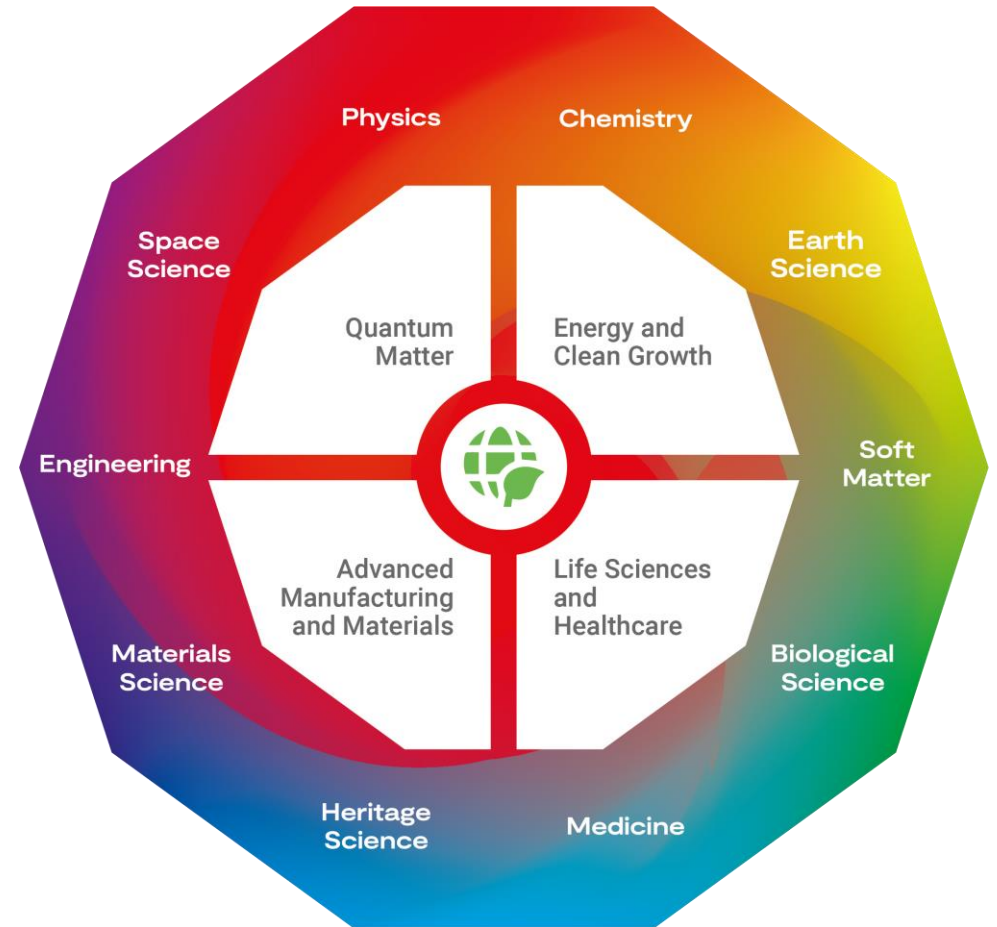
- £5.1m UKRI infrastructure funding for initial feasibility studies: ends 24/25
- Further feasibility funding required – but business case and review of full facility proposal by DSIT is needed
- Nature and timeline for this review is under discussion



Next steps for the project: 2

Alongside the technical feasibility work:

- Business case will continue to be developed
- Science case will continue to be developed
- Further opportunities for community comments and discussion



Discussion opportunities: 1

Straight after this webinar: feedback form

- Tell us what you liked about this webinar
- Tell us what else you would like to know about ISIS-II
- Tell us how else we should continue to consult the community about ISIS-II



Discussion opportunities: 2

The UK Neutron & Muon Science and User Meeting

- Learn more about ISIS-II
- Ask questions about ISIS-II
- Discuss ISIS-II with colleagues

10-12 April 2024, Warwick

Register at

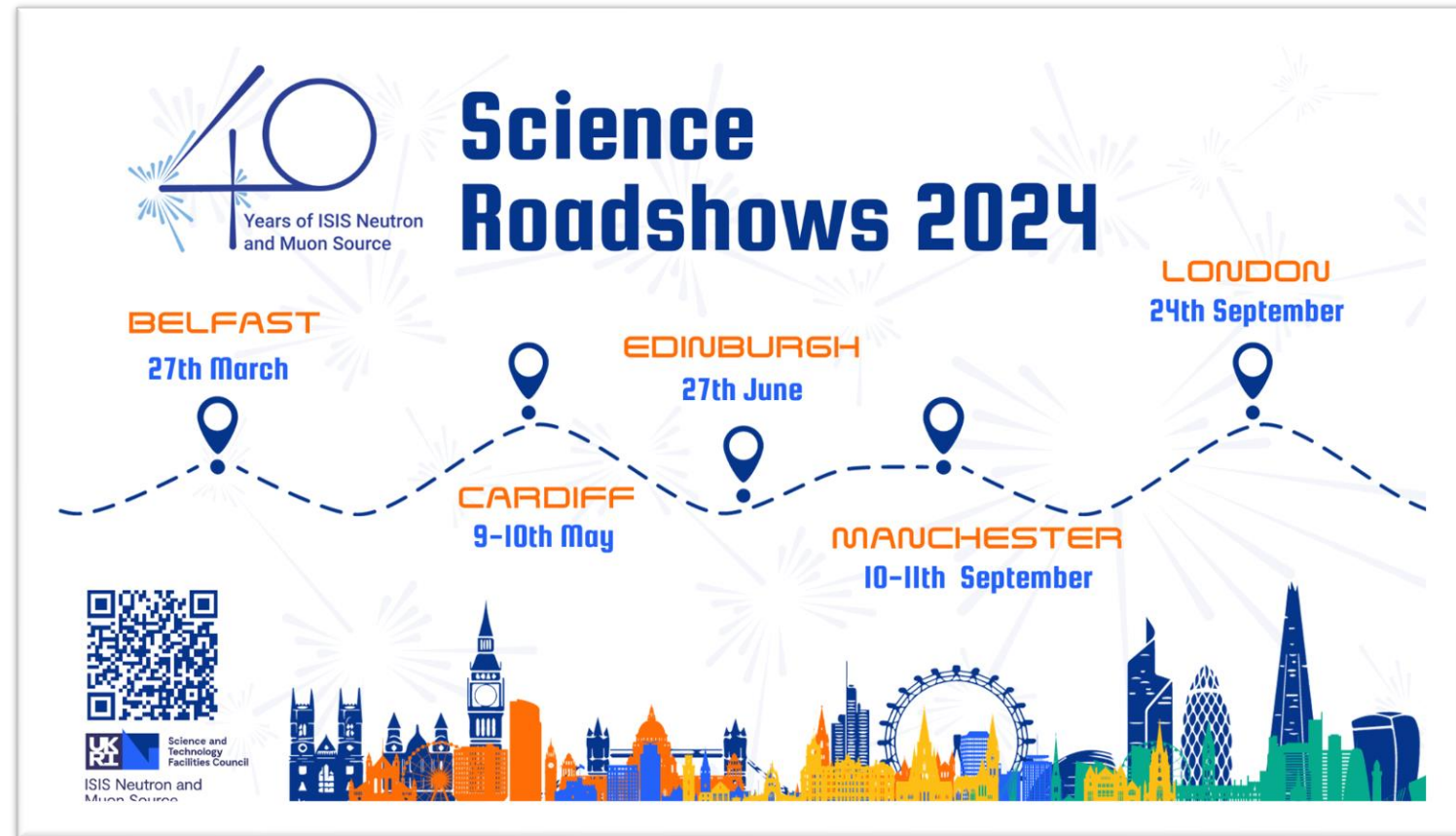
<https://www.isis.stfc.ac.uk/Pages/NMSUM2024.aspx>



Discussion opportunities: 3

ISIS Science Roadshow events

- Learn more about ISIS-II
- Ask questions about ISIS-II
- Discuss ISIS-II with colleagues



Science Roadshows 2024

Years of ISIS Neutron and Muon Source

BELFAST
27th March

EDINBURGH
27th June

LONDON
24th September

CARDIFF
9-10th May

MANCHESTER
10-11th September

Science and Technology Facilities Council
ISIS Neutron and Muon Source

Update of UK Neutron Strategy 2024

- STFC commissioned a strategic review of neutron facilities in 2017, which was updated in 2020.
- Aspects of the wider neutron facility environment have changed since 2020
- STFC will commission a further review of neutron provision for the UK this year
- Details, and how to feed into this, are to be announced.



Other opportunities

ISIS website

- Learn more about ISIS-II
- FAQ sheet
- Slides from today will be put onto this site

Find out more at

<https://www.isis.stfc.ac.uk/Pages/ISIS-II.aspx>



ISIS-II: Designing the UK's next-generation neutron and muon source

Although ISIS will continue to operate for many years to come, plans for a new facility will be developed over the next decade in order to be ready for construction sometime after 2030. This will maintain and enhance the UK's neutron provision, in a way complementary to the ESS, in order to continue to support the UK research community.

A project has been established to consider the requirements for an ISIS-replacement facility, and to explore the technologies that might underpin this. This work includes considering the science drivers for neutrons and muons over coming decades and how these will influence the design of new neutron and muon instrumentation. In turn, these considerations affect the nature of the source and hence the accelerator characteristics. Feasibility work on accelerator possibilities is ongoing, with the aim of ramping this up over coming years. Alongside this, we will be developing the science case in consultation with the ISIS user community.

The UK research community is at the forefront of neutron scattering through having ISIS as a national source in addition to access to the ILL and the ESS in the future. ISIS-II will maintain the UK's position and provide many more years of pure and applied studies using neutrons and muons.

Find out more about ISIS-II



**ISIS-II: Frequently asked
questions**
Find out more about the case
for ISIS-II.



**Webinar - ISIS-II: Designing the
UK's next-generation neutron
and muon source**
13 March 2024, 3:00 pm GMT