

Science Case for ISIS Beamtime Proposal - Template

[General Instructions on format:

- *The case must be no longer than two sides of A4.*
- *It will be reduced in size by 70% - we recommend that you use font size 11 or above so that your text is clear after reproduction.*
- *Please remember the 70% size reduction when producing your figures and their captions and axes labels.*
- *Proposals are reproduced in black and white for FAP hardcopies – please bear this in mind when producing figures.]*

Structure of the Science Case:

Please consider the following headings when writing your case. These headings are a guide to what is expected within the case.

1. Background and Context

You may wish to include:

- *A short description of the general science area and why it is interesting and timely. What is the wider relevance or impact of your work? Keep in mind that not all review panel members are experts in the field.*
- *How this proposal fits into your wider research programme*

2. Proposed experiment

Please include:

- *The aims of the experiment – what do you hope to learn, what outcomes you expect, why these are important.*
- *Why neutrons or muons are needed – what unique information will they give you that you can't get from other techniques.*
- *Results from any modelling or simulations you have performed.*
- *How you will analyse your data to get the information which you need.*

3. Summary of previous beamtime or characterisation

- *If you have used other techniques to characterise your samples, summarise these results to demonstrate the quality of your samples.*
- *For continuation experiments that have already had neutron or muon time, summarise the main results from these.*

4. Justification of beamtime request

- *Say why you have requested the specific instrument.*
- *Justify the length of time you have requested – break the experiment down into the measurements you expect to do, the samples you will study and any setup time required.*