

Please formulate a beamtime proposal based around your own research topic (you can also invent one). The proposal should be not exceed 2 pages.

We will discuss the proposals as part of the Thursday lecture 'Running and Planning a Neutron Imaging Experiment'.

Please send the proposal by Friday, 28th May, 23.59 to robin.woracek@esss.se.

You should select one of these neutron imaging instruments for your proposal:

- ICON, PSI: <https://www.psi.ch/sinq/icon/>
- NEUTRA, PSI: <https://www.psi.ch/sinq/neutra/>
- NeXT, Grenoble: <https://next-grenoble.fr/workinprogress/D50/> or <https://www.ill.eu/users/instruments/instruments-list/next/description/instrument-layout>
- IMAT, ISIS (TOF): <https://www.isis.stfc.ac.uk/Pages/Imat.aspx>
- RADEN, JAPRC (TOF): https://j-parc.jp/researcher/MatLife/en/instrumentation/ns_spec.html#bl22

TITLE OF THE EXPERIMENT

Summary

Give a summary of the proposed experiment (short version of the whole proposal). One paragraph long.

Scientific background

Here you set the scene for the interest of your research. Keep in mind that reviewers come from many different backgrounds.

Preliminary Work

Add information on previous studies conducted by you (proposer) or also others if applicable.

Experimental Plan

This is the 'meat' of your proposal

Describe an experimental plan and strategy. Convince the reviewers that this plan is technically feasible. Give details on samples (size) and required instrument setup.

Choice of Instrument

Give reason why the facility and this particular instrument is chosen. (can be short)

Estimation of beam time

Give a good and reasonable estimate on how much time is required for the experiment.

Results Expected & Significance

- what results you are expecting
- how these results will allow you to answer the specific question(s) stated in summary
- what will be the impact of answering this question on your field of research

Fig. 1 You can include figures as well. They are often helpful for reviewers.

References

[1] Reference are optional in this exercise. VERY IMPORTANT in a real proposal:

- illustrate importance of topic by citing one or two milestone papers in your field
- recent exciting developments in or around specific topic of proposal
- indicate level of your research by citing own recent, relevant publications
- should not expect that reviewers will have time to read references so all essential information in the proposal!