**Application for Rapid Access beamtime at SOLARIS**

Template for SOLARIS Rapid Access proposal.

This document should consist of a **maximum** of **five A4 pages** with a minimum font size of **12 pt**.

The Scientific part section should consist of a **maximum** of **two A4 pages** (including figures and references) with a minimum font size of **12 pt**.

**GENERAL INFORMATION**

|  |  |
| --- | --- |
| **Main author name & surname** |  |
| **Proposal’s title:** |  |
| **Proposal category:** | New  Continuation  Resubmission |
| **Main author affiliation:** |  |
| **Experiment discipline:** | Choose one: Physics, Chemistry, Life science & Biotech, Earth science & Environment, Engineering & Technology, Mathematics, Information & Communication Technologies, Material sciences, Energy, Social sciences, Humanities |
| **Beamline:** | Choose one: XAS/UARPES/PHELIX/DEMETER/SOLABS |
| **End station:** | Choose one: XAS/UARPES/PHELIX/PEEM/STXM/SOLABS |
| **Shifts requested:** |  |

**SOLARIS LABORATORY**

|  |  |
| --- | --- |
| **Usage of SOLARIS Laboratory:** | YES/NO |
| **Processes (sample preparation) performed by users during the experiment at SOLARIS:** |  |
| **Equipment and products requested from the facility:** |  |
| **Equipment and products to be provided by the user:** |  |

**EXPERIENCE**

|  |  |
| --- | --- |
| **Do you have an experience with this type of experiment?** | If yes, please specify where did you get your experience with experiments of this type? |
| **Is this your first application to SOLARIS?** | If no, please specify previous proposal number(s). |

|  |  |
| --- | --- |
| **Does this proposal have any industrial involvement or sponsorship?** | YES/NO  This information is used only for statistical purposes. Your answer will not affect your proposal. |

**PARAMETERS OF THE EXPERIMENT**

|  |  |
| --- | --- |
| **Photon energy range:** |  |
| **Measurement temperature range:** |  |

**SAMPLE PREPARATION AND ENVIRONMENT**

|  |  |
| --- | --- |
| **Sample preparation in situ:** | If yes, describe sample preparation temperature range from 150 to 2000 K. |
| **Evaporation:** | If yes, describe material and thickness. |
| **Ar-sputtering:** | YES/NO |
| **Gas dosing:** | If yes, describe gas name / purity and gas amount. |

**SAMPLES**

|  |
| --- |
|  |

**Substances and formulas:**

|  |
| --- |
|  |

**Number of samples:**

**Physical state:**   single crystal  powder  polycrystalline

multilayer  liquid  gas

nanoparticles  other

**Do you want to use SOLARIS laboratory:**

Yes  No

**Samples safety:**  biological  radioactive  explosive

corrosive  oxidizing  none of these

**Samples risk:**  yes  no  uncertain

**Risk description:**

(if yes or uncertain)

|  |
| --- |
|  |

**Application for beamtime at SOLARIS – Scientific part**

This section should consist of a **maximum** of **two A4 pages** (including figures and references) with a minimum font size of **12 pt**.

Text written in grey is a guideline for the User. Please, read it carefully, and then you can remove it to save place for your work.

Proposal should be highly targeted, avoid vague or too broad aims.

Preliminary measurements or characterisation recommended when appropriate.

This document should be sectioned as below:

PROPOSAL TITLE:

PROPOSAL SUMMARY (should state the aims and scientific basis of the proposal) :

(Please give a short summary of your proposal, with key objectives and the scientific basis of the proposal. Be aware that this abstract may be published, for example as part of an open data policy. Abstract is equivalent to abstract of scientific paper, one paragraph with clear statement on essence of proposal – what are you trying to do, how you intend to do it, and why you are doing it (impact, importance of study); details are given in the following sections.)

SCIENTIFIC BACKGROUND

Explain in a compact manner the status of your field and the question you are concerned with. Indicate fundamental and societal importance of your work. Refer to any previous measurements or preliminary characterization. Explain why is the synchrotron radiation needed to solve the proposed scientific case.

MOTIVATION & EXPERIMENTAL PLAN (measurement strategy, experimental technique(s), sample details, etc.)

Exactly describe motivation and how are you going to carry out the experiment, what do you need for instrumentation and set-up and how you are going to analyse the data. Give sample details and quantity, and requirements for sample environment (this section should allow beamline scientists to make technical feasibility assessment - prior discussion with beamline scientist is strongly advised).

JUSTIFICATION OF BEAMLINE AND BEAMTIME REQUESTED

Justify why you ask for a specific beamline/end station, and how much beamtime is required for your experiment. Shortly detail how you estimated the requested number of shifts.

RESULTS EXPECTED AND THEIR SIGNIFICANCE IN THE RESPECTIVE FIELD OF RESEARCH

Give a very compact view of what you hope to learn from the proposed experiment. Explain how results you are expecting will allow you to answer the specific question(s) stated above and what will be the impact of answering this question on your field of research.

REFERENCES (Include only references relevant for this proposal)

They should illustrate importance of topic by citing one or two milestone papers in your field and recent exciting developments in or around specific topic of proposal.