**RAPID ACCESS TO SOLARIS**

**GENERAL INFORMATION**

|  |  |
| --- | --- |
| **Main author name & surname** |  |
| **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: UARPES, PEEM/XAS |
| **End station:** | Choose one: UARPES, PEEM, XAS |
| **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)

|  |
| --- |
|  |

**SCIENTIFIC PART**

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

Preliminary measurements or characterisation recommended when appropriate.

This part 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.

This document should be sectioned as below:

**PROPOSAL TITLE:**

**ABSTRACT**

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 characterisation. Explain why is the synchrotron radiation needed to solve the proposed scientific case.

**MOTIVATION FOR THE PROPOSAL**

Explain what is the source of the scientific problem. Try to describe the reasons, why is this problem interesting and what has been done to solve it until now.

**EXPERIMENTAL PLAN**

Exactly describe how are you going to carry out the experiment, what do you need for instrumentation and set-up (this can be shifted in part in the next section), 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 ENVIRONMENT(S) AND EXPERIMENT TIME 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.

**EXPECTED RESULTS & IMPACT**

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 RELATED TO THE PROPOSAL SCIENTIFIC TEXT**

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. They should indicate level of your research by citing own recent, relevant publications, however all essential information should be included in the proposal!