Elettra Sincrotrone Trieste

Proposal scheduling, experiment execution and follow-up

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The cycle of a proposal

Elettra Sincrotrone Trieste

Scientific idea

Proposal write-up

PI
collaborators
beamline staff

Technical & safety Feasibility

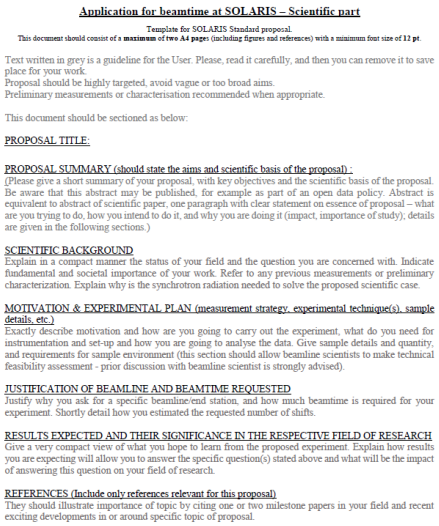
Right technique?
Within capability?
Doable plan?

Scientific review

Clear goals?
Innovative?
scientific
and/or
practical
relevance?

Beamtime

- Data Analysis
- Data interpretation
- Experimental Report
- Production of a manuscript
- Journal submission
- Notify publication
- to the facility



Application for beamtime at SOLARIS – Scientific part

Template for SOLARIS Standard proposal.
This document 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.

Proposal scheduling flow diagram

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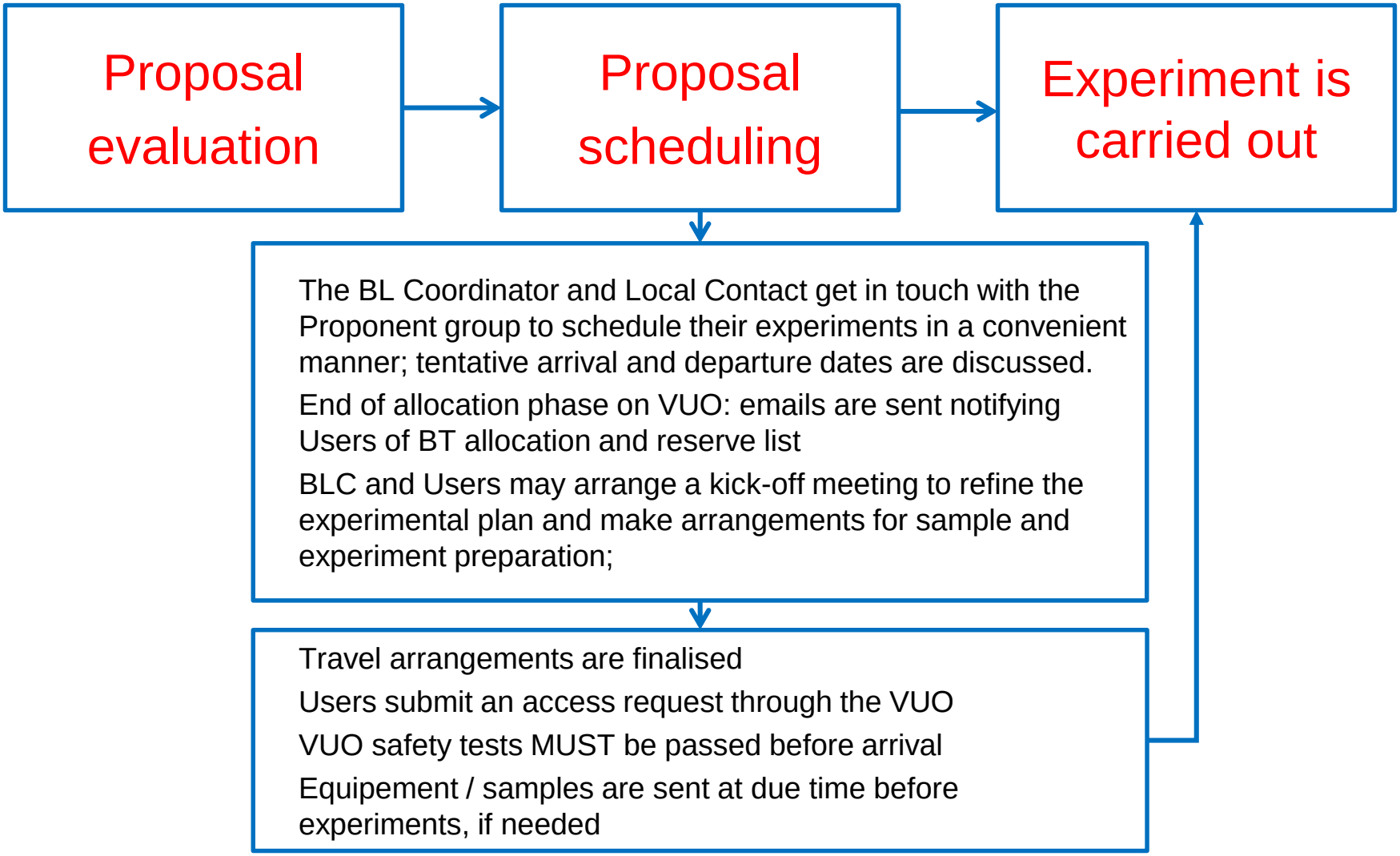
Elettra: 2 calls per year: deadline 15 March and 15 September



Elettra's VUO calendar

Elettra Sincrotrone Trieste

<<Previous trimester

NANOSPECTROSCOPY

Next trimester>>

Attention: The schedule for the second semester will be reassessed in March 2024

April 2024					May 2024					June 2024				
Day	Mode	M	L	N	Day	Mode	M	L	N	Day	Mode	M	L	N
1					1					1	2.0			
2					2					2	2.0	20235304		
3					3	2.0	20235220			3	2.0			
4					4	2.0				4	2.0			
5					5	2.0				5	2.0			
6					6	2.0				6	2.0			
7					7	2.0				7	2.0			
8			20237002		8	2.0				8	2.0			
9		20237002			9	2.0				9				
10					10	2.0				10				
11					11	2.0				11	2.4			
12					12					12	2.4			
13					13					13	2.4			
14					14	2.0	20235492			14	2.4	20235072		
15					15	2.0				15	2.4			
16					16	2.0				16	2.4			
17					17	2.0				17				
18					18	2.0				18				
19					19	2.0				19				
20					20	2.0				20				
21					21	2.0				21				
22	2.4				22	2.0				22				
23	2.4	20235548			23	2.0	20237089			23				
24	2.4				24	2.0				24				
25	2.4				25	2.0				25				
26	2.4				26					26				
27	2.4				27					27				
28	2.4				28	2.0				28				
29	2.4				29	2.0				29				
30	2.4				30	2.0				30				
					31	2.0								

Beamline Fault
Beamline Preparation
Commissioning
Extraordinary Maintenance
In House Research - Ordinary Maintenance
Machine Fault
Machine Preparation
Machine Shifts
Machine commissioning
Other Branchline
Other Shifts
Recovery shifts
Scheduled shifts
Shutdown
System Start-Up
Users Shifts

Elettra's VUO calendar

Elettra Sincrotrone Trieste

<<Previous trimester

NanoESCA

Next trimester>>

Attention: The schedule for the second semester will be reassessed in March 2024

April 2024					May 2024					June 2024				
Day	Mode	M	L	N	Day	Mode	M	L	N	Day	Mode	M	L	N
1					1					1	2.0	20235208		
2					2					2	2.0			
3					3	2.0				3	2.0			
4					4	2.0				4	2.0			
5					5	2.0				5	2.0			
6					6	2.0				6	2.0			
7					7	2.0				7	2.0			
8					8	2.0	20235231			8	2.0			
9					9	2.0				9				
10					10	2.0				10				
11					11	2.0				11	2.4			
12					12					12	2.4			
13					13					13	2.4			
14					14	2.0				14	2.4			
15					15	2.0				15	2.4			
16					16	2.0				16	2.4			
17					17	2.0				17				
18					18	2.0				18				
19					19	2.0				19				
20					20	2.0				20				
21					21	2.0				21				
22	2.4				22	2.0				22				
23	2.4				23	2.0				23				
24	2.4				24	2.0				24				
25	2.4				25	2.0				25				
26	2.4				26					26				
27	2.4				27					27				
28	2.4				28	2.0	20235208			28				
29	2.4				29	2.0				29				
30	2.4				30	2.0				30				
					31	2.0								

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Safety aspects: user information and training

Elettra Sincrotrone Trieste

Home | About us | User Area | Lightsources & Laboratories | Science | Technology | Industry | Intranet

Nanospectroscopy | Contacts | Research | Beamline Description | Specifications | Info for Users | Data Analysis | Manuals | Safety

Safety

All information on the main scientific and technical activities carried out at the beamline together and how to perform them safely can be found in found in the following documents:

- Nanospectroscopy Beamline Safety Instructions (document code: PRSI-IOP-08).
- Istruzioni di sicurezza della linea di luce Nanospectroscopy (document code: PRSI-IOP-08).
- Scheda di valutazione del rischio lavoratori presso la linea di luce Nanospectroscopy (document code: PVAR-SCH-79).
- Documento sintetico di valutazione dei rischi della linea di luce Nanospectroscopy (document code: PVAR-SCH-80).
- Instruction manuals

We encourage users and internal staff to consult the Prevention and Safety section of Elettra - Sincrotrone Trieste website, where a comprehensive collection of procedures and safety instructions can be found. All are invited to take notice of how to manage an emergency.

- Facility and beamline safety instructions are downladed at the submission of an access request;
- Users must pass a simple test to enter the facility
- At the beamline / lab, the Users will essentially carry out data acquisition and collection
- Practical traning may be provided by the BL / laboratory staff after arrival if needed

Flow diagram of the experiment

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Efficient collaboration between the facility staff and users is needed in all steps

Prior to beamtime	Shipment of equipment / samples Preparation of the machine / experimental station
Execution of the experiments	Users participate to the beamtime in presence or remotely Preparation and characterization of multiple samples Data collection and storage (according to data policy) Preliminary analysis needed to steer the experiment direction
After the experiments	BEST (BEam time SaTisfaction) survey The Users are expected to finalize data analysis BT achievements and experimental report are submitted Preparation and submission of a manuscript

Publication policy

Elettra Sincrotrone Trieste

User Area

Proposal Information

- Proposal types
- How to write a proposal
- How to submit a proposal
- Proposal evaluation
- Proposal rating
- Proposal Review Panel
- Support programs
- Submit a proposal
- Beamtime report and feedback

Policies

- Authorship and acknowledgement
- Scientific data policy

User Guide

- Access request

Recommended authorship and acknowledgement policy

The results of non-proprietary research performed at Elettra Sincrotrone Trieste are expected to be published in the open literature. All authors must observe the principles of integrity in scientific research. When preparing a manuscript based on data collected at Elettra, the main author should make sure that any Elettra staff who substantially contributed to the work receives credit, offering co-authorship when appropriate. Otherwise, their contribution should be explicitly stated in the acknowledgment section. Authorship should be discussed with the Elettra staff during manuscript preparation and well in advance of manuscript submission.

If you have questions regarding publications derived from beamtimes and experiments at Elettra, FERMI and associated laboratories please contact us at: publications@elettra.eu .

Acknowledgement of staff assistance

- Please acknowledge assistance and help from the beamline staff and/or personnel of Elettra Sincrotrone Trieste using the following sentence: "*We acknowledge Elettra Sincrotrone Trieste for providing access to its synchrotron radiation facilities and we thank "NAME SURNAME" for assistance in using beamline "NAME OF BEAMLINE*";

Acknowledgement of user support programs

- Financial support by the user project "**International Users Support (IUS) of Elettra**" (proposals allocated from January 2022) must be acknowledged as follows: "*We acknowledge Elettra Sincrotrone Trieste for providing access to its synchrotron radiation facilities and for financial support under the IUS internal project*". Acknowledgment of staff assistance, if appropriate, should be added to the previous sentence;
- Financial support by the user project "**Supporto per Utenti Italiani (SUI) di Elettra**" (proposals allocated from January 2022) must be acknowledged as follows: "*We acknowledge Elettra Sincrotrone Trieste for providing access to its synchrotron radiation facilities and for financial support under the SUI internal project*". Acknowledgment of staff assistance, if appropriate, should be added to the previous sentence;

https://www.elettra.eu/userarea/authorship-and-acknoledgements-policy.html