

Proposals

The next ISIS call for proposals is likely to be late 2021 (for TS2 only). Please see the [latest update on ISIS running dates](#).

The Rapid Access route remains open; however, it is essential that you discuss any proposals with an ISIS instrument scientist before submission, as reduced experimental capacity and staffing levels due to Covid measures mean we have greatly reduced capacity for accepting Rapid Access Experiments. We are not accepting Rapid Access proposals that have not been discussed with an ISIS scientist.

The same is true for Xpress proposals. Again, it is essential that you speak to the relevant instrument scientist before submitting an Xpress proposal, to ensure that we have the ability to run it in the current situation.

Rapid Access ISIS@MACH - This is the Neutron Gate for proposals to be allocated for Research Infrastructure ISIS@MACH. This is open for use.

RCaH proposal is no longer available through this system



Direct Access

The 15th April 2020 proposal round has been cancelled due to the coronavirus (COVID-19) outbreak. Please check [the ISIS website](#) for updates.

Rapid Access and ISIS@MACH Access

For *ISIS Rapid Access* or for Neutron Gate proposals to be allocated for Research Infrastructure *ISIS@MACH*. This is open for use.

Xpress Access

Dutch Access

This round is currently Closed.

Indian Access

This Round is currently closed.

RIKEN Access

This Round is currently Closed.

1515



High Power Lasers

Current call for TAW application is open. Deadline for submission by Friday, 20th November 2020 at 12pm (noon).

Artemis

This round is currently closed.

Octopus/Ultra Direct & Ongoing Programme Access

This round is currently closed.

Octopus/Ultra New Programme Submission

This round is currently closed.

ALL 2.1.5 NEUTRON GATE

III SAL ISIS@MACH - Allegato_Actività_Accesso_Utenti_ISIS@MACH

REPORT ACCESSI UTENTI EFFETTUATI PERIODO 1 settembre 2019 – 28 febbraio 2021 -

**Access to
Instrument - Service - Training
[1st September 2019 – 28th February 2021]**



TYPE OF ACCESS

Instrument



Service



Training



GP NUMBER	TYPE	DESCRIPTION	SS3
RB NUMBER			

ACCESSI UTENTI PERIODO 1st September 2019 – 28th February 2021

GP201901	TRAINING	ACCESS ISIS@MACH – PI = Dr Giovanni Romanelli (ISIS, UK) Title "Student Stage at ISIS for training in eV neutron spectroscopy "	ENERGIA
RB2030008	TRAINING	ACCESS ISIS: RB2030008 through ISIS@MACH- NEUTRON GATE Title "Use of pulse-height analysers for bi-parametric (neutron and gamma) investigations on the VESUVIO spectrometer"	
GP201902	SERVICE	ACCESS ISIS@MACH – PI = Dr Avner Haran, SOREQ –ISRAEL	

III SAL ISIS@MACH - Allegato Attività Accesso Utenti ISIS@MACH

REPORT ACCESSI UTENTI EFFETTUATI PERIODO 1 settembre 2019 – 28 febbraio 2021 -

		Title "experimental set up of SRAMs for Terrestrial Environment for SEE neutron measurements on ChIPiR beamline"	ICT – SPACE
RB2000018	INSTRUMENT	ACCESS ISIS: RB2000018 through ISIS@MACH- NEUTRON GATE Title "Neutron-induced Single Event Upsets in SRAMs for Terrestrial Environment"	
GP201903	SERVICE	ACCESS ISIS@MACH – PI = Prof Nicoletta Volante, University of SIENA, ITALY Title "Study of chronic mercury exposure in ancient population from the cinnabar minig"	CULTURAL HERITAGE
RB1920062	INSTRUMENT	ACCESS ISIS: RB1920062 through ISIS@MACH- NEUTRON GATE Title "Study of chronic mercury exposure in ancient population from the cinnabar minig"	
GP201904	SERVICE	ACCESS ISIS@MACH – PI = Prof. MARCO DI PRISCO, Politecnico di Milano, ITALY Title "Latex-modified CNT/rGO-reinforced mortar with piezoelectric strain-sensing capabilities"	GREEN ECONOMY ENERGY
RB1920214	INSTRUMENT	ACCESS ISIS: RB 920214 through ISIS@MACH- NEUTRON GATE Title "Latex-modified CNT/rGO-reinforced mortar with piezoelectric strain-sensing capabilities"	
GP202005	SERVICE	ACCESS ISIS@MACH – PI Dr GIOVANNI ROMANELLI (ISIS, UK)	GREEN ECONOMY
RB2010019	INSTRUMENT	ACCESS ISIS: RB 2010019 through ISIS@MACH – NEUTRON GATE Title " <i>Measurement of the neutron cross section of α-alanine and other amino acids for dosimetry applications</i> "	
GP202006	SERVICE	ACCESS ISIS@MACH – PI = Prof. CHRISTOPH SALZMAN, UCL London, UK Title "Inelastic measurements of ice phases "	ENERGY
RB1990327	INSTRUMENT	ACCESS ISIS: RB1990327 through ISIS@MACH- NEUTRON GATE Title "Vibrational component of mean square displacement of ice phases"	
GP202007	INSTRUMENT	ACCESS ISIS@MACH - PI = Professor MARIA PAULA MARQUES, Univ. of Coimbra, Portugal Title "Bioactive Edible Oils probed by neutron scattering"	HEALTH

III SAL ISIS@MACH - Allegato Attività Accesso Utenti ISIS@MACH

REPORT ACCESSI UTENTI EFFETTUATI PERIODO 1 settembre 2019 – 28 febbraio 2021 -

RB2000118	INSTRUMENT	ACCESS at ISIS: RB2000118 through ISIS@MACH- NEUTRON GATE Title "Bioactive Edible Oils probed by neutron scattering"	
GP202008	INSTRUMENT	ACCESS ISIS@MACH – PI = Prof. Mauro Rubini, Anthropological Service S.B.A.L, ITALY Title "Characterization of Ancient Roman's Aebutia Quarta remains using FTIR, SEM/EDX, XRF and RAMAN spectroscopy"	CULTURAL HERITAGE
RB2000166	INSTRUMENT	ACCESS ISIS RB2000166 through ISIS@MACH- NEUTRON GATE Title "Inelastic Neutron Scattering investigation of Ancient Roman's Aebutia Quarta human skeletal remains"	
GP202009	INSTRUMENT	ACCESS ISIS@MACH – PI = Ing. Marco Martellucci, Mardel s.r.l., ITALY Title "Characterization of heavy concrete using SEM-EDS microscopy"	ENERGY
RB2000164	INSTRUMENT	ACCESS at ISIS: RB2000164 through ISIS@MACH- NEUTRON GATE Title "Neutron transmission on heavy concrete for barite content optimisation"	
GP202010	INSTRUMENT	ACCESS ISIS@MACH – PI = Dr Gabriele Croci, University of Milano Bicocca, ITALY Title "Imaging investigation by X-ray imaging and epithermal neutrons of iron rods into reinforced concrete"	ENERGY
RB2000167	INSTRUMENT	ACCESS at ISIS: RB2000167 through ISIS@MACH- NEUTRON GATE Title "Investigations on the use of epithermal neutron contrast-enhanced radiography as a diagnostic for reinforced concrete failures."	
GP202011	TRAINING	ACCESS ISIS@MACH – PI = Prof Luca Camilli, University of Rome Tor Vergata, ITALY Title "Access requested for training of Graduate's students in Materials Science degree in the use of SEM/EDS instrumentation at ISIS@MACH"	ENERGY
		ACCESS at ISIS: None	
GP202012	EXPERIMENT	ACCESS ISIS@MACH – PI = Prof Silvia Licoccia, University of Rome Tor Vergata, ITALY Title "Characterization of materials for Concentrated Solar Power (CSP) applications by SEM-EDS microscopy, and neutron diffraction"	ENERGY

III SAL ISIS@MACH - Allegato Attività Accesso Utenti ISIS@MACH

REPORT ACCESSI UTENTI EFFETTUATI PERIODO 1 settembre 2019 – 28 febbraio 2021 -

		ACCESS at ISIS: None	
GP202013	TRAINING	ACCESS ISIS@MACH – PI = Prof Anna Sgarlata (University of Rome Tor Vergata) Title “Access requested for training of Graduate’s students in Materials Science degree in the use of SEM/EDS instrumentation at ISIS@MACH”	
		ACCESS at ISIS: None	
GP200014	INSTRUMENT	ACCESS ISIS@MACH – PI = Dr Giovanni Campolo, Thales Alenia Space Italia, ITALY Title “Neutron and ion- induced SEE in electronic components used in space environment by Thales Alenia Space Italy”	ICT – SPACE
RB2000204	INSTRUMENT	ACCESS at ISIS: RB2000204 through ISIS@MACH- NEUTRON GATE Title “Neutron and ion-induced SEE in electronic components used in space environment by Thales Alenia Space Italy”	
GP200015	INSTRUMENT	ACCESS ISIS@MACH – PI = Dr Marco Martellucci, Mardel s.r.l., ITALY, continuation Title “Thermal-to-fast neutron cross section of concrete for radiation protection applications”	MATERIALS- HEALTH
RB2000209	INSTRUMENT	ACCESS at ISIS: RB2000209 through ISIS@MACH- NEUTRON GATE, Continuation Title “Thermal-to-fast neutron cross section of concrete for radiation protection application “	
GP202116	INSTRUMENT	ACCESS ISIS@MACH – PI = Miss Valentina Turina, MUSEO EGIZIO, ITALY	
RB2000211 RB2000210	INSTRUMENT INSTRUMENT	ACCESS at ISIS: RB2000211 through ISIS@MACH- NEUTRON GATE Title “Title “Neutron Spectroscopy of leather artefacts from Museo Egizio (TOSCA)” ACCESS at ISIS: RB2000210 through ISIS@MACH- NEUTRON GATE Title “Neutron Spectroscopy of leather artefacts from Museo Egizio (VESUVIO)”	CULTURAL HERITAGE
GP202117	INSTRUMENT	ACCESS ISIS@MACH – PI = Dr Giovanni Romanelli, ISIS-UKRI, UK Title “Single-crystal neutron diffraction of the MAPbBr ₃ perovskite”	ENERGY
RB2000218	INSTRUMENT	ACCESS at ISIS: RB2000218 through ISIS@MACH- NEUTRON GATE Title “Single-crystal neutron diffraction of the MAPbBr ₃ perovskite “	

III SAL ISIS@MACH - Allegato Attività Accesso Utenti ISIS@MACH

REPORT ACCESSI UTENTI EFFETTUATI PERIODO 1 settembre 2019 – 28 febbraio 2021 -

GP202118	INSTRUMENT	ACCESS ISIS@MACH – PI = Prof. Nicoletta Volante, University of Siena, ITALY Title “Cinnabar mining and chronic mercury exposure in ancient populations”	CULTURAL HERITAGE
RB2000220	INSTRUMENT	ACCESS at ISIS: RB2000220 through ISIS@MACH- NEUTRON GATE Title “Cinnabar mining and chronic mercury exposure in ancient populations”	

Template for preparing Access to Service-Experimental Proposal- Training Science of ISIS@MACH and ISIS

[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 Facility Access Panels (FAP's) 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; Facility Access Panels (FAP's) reject proposals which do not have sufficient information.

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*
- *How your wider research programme is supported (mention grants, students, links with industry, fellowships, etc. It is fine to refer back to information on grants, etc, which you have provided in the online proposal system).*
- *Say how this proposal relates to your grant funding described above.*

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 this is a continuation experiment, or if you have had Xpress time to demonstrate the suitability of your samples, summarise your conclusions from your previous beamtime. Proposals should be self-contained – whilst you may have provided results from previous beamtime in an Experiment Report, there should be sufficient information with the proposal for panels to assess how previous beamtime has been used.*
- *If you have used other techniques to characterise your samples, summarise these results. FAPs are keen to see use of other techniques to ensure sample quality and suitability.*

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.*