**ChETEC-INFRA Experimental Plan
AMS measurements at VERA**

Please provide a detailed description of the planned experiment including relevant technical details on **max. 2 pages (excluding the table)**. If possible, describe your sample(s) in detail, including quantity, size, and composition.

Main applicant (name, institution, country)

[...]

Proposal title

[...]

Description of the proposed experiment including scientific background and technical data relevant for performing the experiment

[Please describe here also if chemical sample preparation is needed and how/where it is planned to do. This also includes the use of isotopic spikes and stable isotope carriers. Possible processing blanks need to be taken into consideration & beam time calculation, too.]

Experimental conditions, if known

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Sample batch name(no special characters)** | **Material to be sent to VERA** | **Ratio****expected** | **Numberof samples** | **Isotopicratio****min** | **Isotopicratio****max** | **Beam hours/ measurement** | **Total beam hours** |
| *ExampXY* | *BeO, Al2O3, meteorite, MnFe crust,…* | *10Be/9Be* | *6* | *x* | *x* | *2* | *12* |
| *26Al/27Al* | *6* | *1E-14* | *x* | *4* | *24* |
| *26Al/27Al* | *6* | *x* | *1E-14* | *10* | *60* |
| *ExampXY* | *graphite,…* | *14C/12C* | *6* | *x* | *x* | *2* | *12* |
| *ExampXY* | *AgCl, irradiated metal target,…* | *36Cl/35Cl* | *6* | *x* | *x* | *4* | *24* |
| *ExampXY* | *CaF2, concrete,…* | *41Ca/40Ca* | *6* | *x* | *x* | *4* | *24* |
| *ExampXY* | *AgI, water,…* | *129I/127I* | *6* | *x* | *x* | *2* | *12* |

[Please remove lines not applicable for your project in table. For all other radionuclides such as 55Fe, 90Sr, 135Cs, 137Cs, 182Hf, 202Pb, 210Pb, 210mBi, actinides (233U, 236U, 239Pu, 240Pu, 242Pu, 244Pu, 241Am, 243Am), please contact VERA’s ChETEC-INFRA local contact and/or VERA team members (<https://isotopenphysik.univie.ac.at/en/veracore/>) for beam time calculation.]

Next steps after beam time

[...]

Possible time range for sending the samples:

From: [...] To: [...]

[...]

Results needed before: [...]

References

[...]

Relation to Other Projects, Student Theses, etc.

[If this proposal is related to a thesis project, or other external projects, please note this here. In particular if this affects the potential timeline for conducting the project.]

Support for Travel and Accommodation

[If financial support for travel and accommodation is requested, please outline the planned travel (number of scientists, duration), and the total amount of support requested.]

Further remarks by Proposer

[…]

Please submit this document as “Experimental Plan” in GATE. Please do not submit ChETEC-INFRA proposals directly to VERA.

Note: The final call for ChETEC-INFRA transnational access proposals is currently foreseen to close August 17, 2024. The final beam time at VERA needs to be finished in February, 2025 to be supported through ChETEC-INFRA. Please check the schedule for the ChETEC-INFRA web page for possible updates.