Proposal title: Please enter the proposal title.

Investigator(s):Please enter the names of all investigators.

Contact email(s): Please enter the email addresses of all investigators.

**Non-technical abstract:** *Please describe the background to your research area, why this research is important? how does your current programme further research in this area*?

|  |
| --- |
| Click or tap here to enter text. |

**Proposed Experiment:** *What are the goals of this experiment? Please discuss why you need XAFS for this experiment and whether you need EXAFS or is XANES sufficient for your study?*

|  |
| --- |
| Click or tap here to enter text. |

If you are unsure about the need for XAFS for your experiment or any other part of the proposal, we recommend that you contact members of the BAG team to discuss your proposal before submission.

**Expected results:** *What are the results you expect from the XAS measurement and how will the spectra you collect help with your overall research goals?*

|  |
| --- |
| Click or tap here to enter text. |

**Sample characteristics:** *Please describe any methods you have already used to characterise your samples (e.g. XRD, NMR, UV-vis etc.) and what results were obtained.*

|  |
| --- |
| Click or tap here to enter text. |

**Previous use of BAG allocations:** *If applicable, please describe any previous BAG allocations and, if possible provide details of publications that have resulted from this award.*

|  |
| --- |
| Click or tap here to enter text. |

**Does this involve a PhD student**? [ ]

If yes, what is the expected completion date:Click or tap here to enter text.

**Will the data from this proposal feature in a publication within the next 6 months?** [ ]

|  |
| --- |
| Please provide details. |

**Experiment plan:** *Please provide a detailed experimental plan, listing all the measurements in order of priority and the conditions (temperature, gas composition) of each measurement. All the intended measurements must be included in this table. Please use one line per sample (even if it is the same sample under different conditions or at a different absorption edge). Only samples included in this table will be run.*

|  |  |
| --- | --- |
| **Sample environment:** *Please check if the environment is compatible with your experiments, particularly if the window material and thickness are suitable for the x-ray edge energy.* | Please provide details. |
| **Gases required:** | Please enter details. |
| **Gas flow rate:** | Please enter details. |
| **Sample composition:** | Please enter details. |
| **Absorption edge(s) of interest (e.g. Pd K edge):** | Please enter details. |
| **Acquisition mode:** | Transmission or fluorescence. |

**Sample list**: *Please list samples in order of priority, the experimental conditions, and an estimate of the amount of time per experimental step.*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sample number | Sample details | Temperature  | Gas | Time estimate  | Comments |
| 1 | Enter text. | Enter text. | Enter text. | Time at this step. | Any other details. |
| 2 | Enter text. | Enter text. | Enter text. |  Time at this step.  |  Any other details.  |
| 3 | Enter text. | Enter text. | Enter text. |  Time at this step.  |  Any other details.  |
| 4 | Enter text. | Enter text. | Enter text. |  Time at this step.  |  Any other details.  |
| 5 | Enter text. | Enter text. | Enter text. |  Time at this step.  |  Any other details.  |
| 6 | Enter text. | Enter text. | Enter text. |  Time at this step.  |  Any other details.  |
| 7 | Enter text. | Enter text. | Enter text. |  Time at this step.  |  Any other details.  |
| 8 | Enter text. | Enter text. | Enter text. |  Time at this step.  |  Any other details.  |

**Reference materials:** *Do you wish to collect data for any reference materials as part of your experiment.* [ ]