**CASF RESEARCH PROPOSAL**

[Initial submission of the form will trigger a discussion with the facility development scientist. Please fill-in all the fields, and add lines as necessary. Contact the facility development scientist on any question, [atomscattering@phy.cam.ac.uk](mailto:atomscattering@phy.cam.ac.uk) ]

|  |  |
| --- | --- |
| Title (50 characters): | |
| Proposal: [ ] New || [ ] continuation || [ ] resubmitted | Submission Date: DD/MM/20XX |
| Abstract (<150 words) | |

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| --- | --- | --- | --- | --- | --- |
| Investigator | | | | | |
| Full Name |  | | | | |
| Email |  | | | | |
| Institute |  | | | | |
| Country |  | Phone | +XX (0)XX XXXXXXXX | New user? | Y/N |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Requested Beam Time | | | | | | | | | | | | |
| Length (in weeks)  [mention if asking for multiple slots. e.g. 3+4 weeks] | | | | | | | |  | | | | |
| Requested Starting Time (mark one or more, and fill-in the year) | | | | | | | | | | | | |
| <year> | Jan/Feb |  | Mar/Apr |  | May/Jun |  | Jul/Aug |  | Sep/Oct |  | Nov/Dec |  |
| Funding | | | | | | | | | | | | |
| ( ) Funded request (Grant or similar funding available)  ( ) Outline request (for letters of support, proof-of-concept, training activities, etc.) | | | | | | | | | | | | |

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| --- | --- | --- | --- | --- |
| Co-Investigators  [add further rows as necessary] | | | | |
| #1 | Full Name |  | | |
| Email |  | | |
| Institute |  | | |
| Country |  | New user? | Y/N |
| #2 | Full Name |  | | |
| Email |  | | |
| Institute |  | | |
| Country |  | New user? | Y/N |

|  |  |
| --- | --- |
| Summary of Experimental Details | |
| Sample Summary (brief): Substrates & Adsorbates Gas/Liquid/Powder/Dispenser/Other |  |
| Cleaning procedures (in short) |  |
| Measurement Range (temp, etc.) |  |

**Proposal outline**

Please append 2 pages (min font size Arial 11) which cover the following

1. Title
2. Introduction to the research team (up to 150 words)
3. Scientific background (Up to 300 words)
4. Aim of the experiment (Up to 250 words)
5. Proposed measurement plan (Up to 350 words)  
   Please briefly describe the proposed measurement plan, including:
   1. Type of measurement, e.g. :
      1. 2D scan, azimuthal section of 20o
      2. Dynamics measurement at T=200k, 2 azimuths, coverage of Θ=0.2ML
      3. Arrhenius T=150K-250K, Θ=0.2ML
   2. How often does the sample require refreshing? Please consider contamination from background gas, migration from the bulk, etc.
   3. For dynamics measurements: why do you expect the dynamics to be measurable? If relevant, please rely on literature (e.g. calculated diffusion barriers).
6. Bibliography (Up to 20 references)