|  |  |
| --- | --- |
| ***CRG EXPERIMENT*** | **N°** (Allocated by User Office)  **CRG-** |
| *Use Tab key ⭾ to move to next item* | |
| **TITLE** (limited to 140 char.)**:** | |
| **Users (Name, Lab):** | |
| **Local Contact or Instrument Responsible:** | |
| **Instrument:**  **Scheduled Start Date:**  **n° of days:** | |

|  |
| --- |
| **sample description**  No Sample  Substance and formula*:*  Mass (in mg):       Size(in mm3):  Powder  Liquid  Gas  Polycrystalline  Single crystal  Sample container (cylinder, flat plate, pressure cell, etc.): |

|  |
| --- |
| **safety aspects:** Is the sample  Radioactive?  A contaminant?  Toxic?  Inflammable?  An α-emitter?  Corrosive?  A biological hazard?  Explosive?  Is there any danger associated with the proposed sample or its preparation at ILL?  Yes  Uncertain  No If yes or uncertain, please give details of the risks associated: |

|  |
| --- |
| **environment**  ***IMPORTANT - Please select environment(s) from list overleaf.*** |

|  |
| --- |
| I certify that the above details are complete and correct  Date:       Signature: |

**ENVIRONMENT**

**CHARACTERISTICS & SAFETY**

|  |  |
| --- | --- |
| Temperature range (stability): | |
| Pressure range: | |
| Magnetic-field strength (stability): | |
| Is there any danger associated with the environment? | Yes  Uncertain  No |
| If yes or uncertain, please give details of the risks: | |

**ENVIRONMENT**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **AMBIENT** | |  | **ELECTRIC & MAGNETIC FIELDS** | | |
|  | AAL | Acoustic Levitation |  | EF | | Electric Field Stick < 20 kV |
|  | ABC | Heated/Refrigerated Bath Circulator |  | MC | | Conventional permanent Magnet |
|  | ADC | Dialysis Cell |  | ME | | Electromagnet |
|  | AHC | Humidity Chamber / Generator |  | MH | | Cryomagnet, Static Horizontal Field < 17 T |
|  | ALL | Liquid-Liquid Cell |  | MHP | | Cryomagnet, Pulsed Horizontal Field < 40 T |
|  | ALT | Langmuir Troughs |  | MV | | Cryomagnet, Static Vertical Field < 15T |
|  | AOC | Overflowing Cylinder |  | MEX | | Supplied by User |
|  | AR | Rheometer |  | **PRESSURE** | | |
|  | ASA | Shear Apparatus (Couette) |  | PS | Pressure Stick for Detwinning < 120 N | |
|  | ASC | Size-Exclusion Chromatography |  | PG | | Gas Pressure < 700 MPa |
|  | ASF | Stopped-Flow System |  | PL | | Liquid Pressure < 700 MPa |
|  | ASL | Solid-Liquid Cell |  | PCL | | Clamp < 1.2 GPa |
|  | ASP | In-Situ Impedance Spectroscopy |  | PCH | | Clamp < 3 GPa |
|  | AST | Adsorption Troughs |  | PE | | Paris-Edinburgh Press < 22 GPa |
|  | ATR | Tumbling Rack |  | PEX | | Supplied by User |
|  | AEX | Supplied by User |  | **OPTIONS** | | |
|  | **LOW TEMPERATURE** | |  | CPA | | Cryopad, Zero-field polarisation analysis |
|  | C4 | 4-Circle Cryostat |  | DLS | | Dynamic Light Scattering |
|  | CD | Displex - Closed Cycle Refrigerator |  | FC | | Flat-Cone |
|  | CF | Orange Cryofurnace 1.8 - 550 K |  | FSE | | Ferromagnetic Spin-Echo |
|  | CGO | Goniostick, Single Crystal Alignment |  | GSA | | Gas Sorption Analyser |
|  | CL2 | Cryoloop Liquid N2 |  | NRSE | | Neutron Resonance Spin-Echo |
|  | CN2 | N2 Gas Cryostream 80 - 500 K |  | NSF | | Neutron Spin Filter |
|  | CO | Orange Cryostat 1.5 - 300 K |  | PA | | Polarisation Analysis, Guide Field at Sample |
|  | LT1 | Dilution Fridge < 400 mK |  | SE | | Standard Spin-Echo |
|  | LT2 | 3He Fridge > 400 mK |  | V | | VacBox |
|  | LT4 | 4-Circle Dilution > 100 mK |  | WSE | | Wide-angle Spin-Echo |
|  | CEX | Supplied by User |  | **OTHER** | | |
|  | **HIGH TEMPERATURE** | |  | EXT | | Other Device Supplied by User (Extern) |
|  | F0 | Furnaces 50 - 500°C |  | NO | | None |
|  | F1 | Furnaces 200 - 1100°C |  | NP | | Nuclear Physics |
|  | F2 | Furnaces 1100 - 1600°C |  | R | | Risk |
|  | F3 | Furnaces > 1600°C |  | TU | | Transuranium Samples |
|  | FM | Mirror Furnace |  | X | | Other Sample Conditions |
|  | FEX | Supplied by User |  |  | |  |