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|  | **INSTITUT Max von LAUE - Paul LANGEVIN**  **User Office user-office@ill.fr**  71 ave des Martyrs, CS 20156, 38042 Grenoble Cedex 9, France |

**CRG RESEARCH PROPOSAL AT ILL**

*Please submit the form to the CRG Instrument Responsible(s) c/o the above address*

*Use Tab ⭾ key to move to next item*

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| **Title** (limited to 140 char.)**:** | *Proposal number*  *(to be completed by ILL)*  ***CRG-*** |
| **Main Proposer** *(to whom correspondence will be addressed)*  Full name and affiliation: | Phone:  Email:  New neutron user?  Yes  No  New ILL user?  Yes  No |
| **Co-proposers**  Full name and affiliation *(if different from above)*: | Phone/email: |
| **Local contact(s):** | |

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| **This proposal is:**  New *(Please attach copy of report(s) on your recent experiments on related topics).*  Continuation of n°*:      ;* *an application for further beamtime must be supported by a report on the previous measurements. Please attach copies of your experimental report (on an official report form)*.  Resubmission of n°*:* *(please give previous proposal number)*  Indicate the main research area of your proposal - tick one box only *(for statistical purposes only)*:  Biology  Methods and instrumentation  Physics  Materials  Engineering  Soft condensed matter  Chemistry  Other:  Indicate if your proposal is related to industrial application *(for statistical purposes only)*:  Related to industrial applications. If yes, please give details of collaboration: |

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| **Instrument required:** | **Estimated measuring time (in days):** | *Requested starting time:*  Jan/Feb  Mar/Apr  May/Jun  Jul/Aug  Sep/Oct  Nov/Dec  unacceptable dates: |

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| I certify that the details on the proposal form are complete and correct.  Date:       Signature of proposer: |

***It*** ***is*** ***essential*** ***to*** ***complete*** ***the following two pages***. ***Missing*** ***information*** ***can*** ***delay***

***the safety assessment and result in a rejection of the proposal.***

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| **Sample description**  No Sample  *If there is insufficient space, please include details in main text of the proposal.*  Substance/Formula *(give isotopic composition if not natural):*  When will the sample be available? *(please give details):*  Mass (in mg):       Size (in mm3):       Surface area:  State:  Powder  Liquid  Gas  Polycrystalline  Single crystal  Other  To be specified for scientific evaluation, as appropriate:  Space group (if known):  Unit cell dimensions at T=       a =       b =       c =       α =       ß=       γ=  Sample container (cylinder, flat plate, pressure cell, etc.): |

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| **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:  Is the sample a transuranium sample?  Yes  No |

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| **Experimental details**  Energy/wavelength range:       Resolution in energy or wavelength:  Range of momentum transfer:       Resolution in momentum transfer: |

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

**ENVIRONMENT**

**CHARACTERISTICS & SAFETY**

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| Temperature range (stability): |
| Pressure range: |
| Magnetic-field strength (stability): |

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| Is there any danger associated with the environment? | Yes  Uncertain  No |
| If yes or uncertain, please give details of the risks: | |

**ENVIRONMENT**

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|  | **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 |  |  | |  |

Scientific background and detailed description of the proposed experiment *(Please do not exceed 2 pages)*

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| **Abstract** *(~ 100 words):* |
| **Scientific case:** |
| **Your publication record** *(give references to papers published in the last two years arising from ILL experiments):* |