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|  | **INSTITUT Max von LAUE - Paul LANGEVIN**  Director of Science  71 ave des Martyrs, CS 20156, 38042 Grenoble Cedex 9, France |

**Directors Discretion Time Research Proposal at ILL**

*Use Tab key ⭾ to move to next item*

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| **Title** (limited to 140 char.)**:** | *Proposal number*  *(to be completed by ILL)*  ***DIR -*** |
| **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):** | |

**Suggested keyword number** *(see guidelines for details)*:

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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  Chemistry  Physics  Materials  Methods and instrumentation  Engineering  Soft condensed matter  Other:  Indicate if your proposal is related to industrial application *(for statistical purposes only)*:  Related to industrial applications. Please provide details of any collaboration with industry: |

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

**When will the sample be available?** *(Please give details)*

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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**  *If there is insufficient space, please include details in main text of the proposal.*  Substance/Formula *(give isotopic composition if not natural):*  Mass (in mg):       Size (in mm3):       Surface area:  Powder  Liquid  Gas  Polycrystalline  Single crystal Others:  To be specified as appropriate for scientific evaluation :  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 - *Please select environment(s) from list overleaf.*** |

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

**IMPORTANT**

Please attach the scientific background and detailed description of the proposed experiment on 2 pages.

This should contain the Abstract of approx 100 words and your publication record (*give references to papers published in the last two years arising from ILL experiments)*

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| ***Reserved for ILL*** |
| *Signature & Comments* |
| *Health Physics Officer* |
| *Safety Engineer* |
| *Director of Science* |

**ENVIRONMENT**

**CHARACTERISTICS & SAFETY**

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| 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**

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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 |  |  | |  |