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|  | **INSTITUT Max von LAUE - Paul LANGEVIN**Director of Science71 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 [ ]  NoNew 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 correctDate:       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 |  |  |  |