**Title**

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**Principal Investigator**

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| Title and full name :Home institution and address :Citizenship :Phone :E-mail : |

**Co-Investigators, expertise and references**

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| *Describe the expertise of the team (including some significant recent references)* |

**Keywords**

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**Laser required**

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| **[ ]  LMJ only [ ]  PETAL only [ ]  LMJ and PETAL** |

**Experimental platforms required (see User-Guide)**

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|  **[ ]  SXR [ ]  IMP [ ]  HXR [ ]  OPA [ ]  Other** Soft X-Ray Implosion Hard X-ray Radiography EoS and Opacity |

**Summary**

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**Detailed description of the project**

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| ***- Scientific discussion:*** *Describe the purpose for the experiment, the key scientific questions addressed and the expected results.* *-* ***Experimental method and set-up****: Describe the proposed experimental method; including laser energy, pulse shape and beam configuration, target requirements, experimental platforms with core and optional plasma diagnostics, and the number of laser shot requested (6 max).****- Facility specificity****: Describe the extent to which the experiment is particularly suitable for LMJ-PETAL. Indicate which experiments have been or will be carried out by the team, on what facility, to prepare the proposed LMJ-PETAL experiment.****- Capabilities and resources****: Provide an estimate of the capabilities and resources required to execute the experiment, in particular whether the target manufacturer is identified and the funding of targets manufacturing.*  |