**Statement of Research Intent to ELI-NP**

***Title of the experimental proposal***

**Collaboration presenting the LoI**

*List of authors and institutions with identified spokespersons*

**Local contact – if any**

**Scientific case**

*Background to the research proposal*

*Scientific problem to be tackled*

*Aims, objectives, assumptions, scope*

**Methodology**

Requested Beam(s)

*To be identified among the outputs of ELI-NP, and further specifying the characteristics that depend on the type and focus: radius, width, divergence, energy and energy resolution, intensity on target, beam spot on target, etc. If known, please specify the existing setup at ELI-NP where the needs of the proposed experiment would be fulfilled;*

Targets

*Nature, thickness, special characteristics/approvals;*

Instrumentation and detectors

*Identification of the experimental setups and the specifications of the equipment installed in the experimental halls, type and number of detectors needed and/or available and associated electronics, configuration(s), need of modification of an existing equipment (if it is the case), data acquisition and data storage / online processing needs, etc.*

Request to use own equipment *(with description), if it is the case.*

Theoretical support

*short description of the necessary calculations and developments, simulations*.

Envisaged results

Risks and mitigation

**Reference list**