

Scientific Case Description

Authors / institutions

1) Title of Experiment

2) Briefly describe the aim of the experiment

3) XFEL parameters

photon energy, bandwidth: _____ keV, _____ % bandwidth (use monochromator? y__ n__)
pulse length: _____ fs, pulse energy: _____ mJ, rep rate: _____ Hz, focal area: _____ μm^2 FWHM
other: _____

4) opt. laser parameters

ns or fs system _____, wavelength: _____ nm, intensity: _____ W/cm², focal area: _____ μm FWHM,
delay wrt XFEL pulse: _____

5) main and secondary diagnostics

type: _____

spatial/spectral/temporal resolution: _____

efficiency: _____

instrument provided by (yourself, other member of consortium, unknown,...) _____

6) Novelty and importance

“if the proposed experiment is successful, the results will impact _____ (scientific areas) in _____
way and help to understand _____ further / open a new path towards _____ /

7) List of collaborators within user consortium

(cross-referencing and networking)

1. _____

2. _____

3. _____

4. _____