

Questionnaire

1. Title/description of experiment

Name:

Date:

Title:

Short description:

Experiment observables:

Main experiment variables:

Measurement reveals which physical parameter/property:

Describe proposed diagnostics, measurement, and repetition thereof:

2. Requirements to experiment parameters and setup

Requirements to x-ray parameters on sample

Photon energy [keV]:

Range/several values:

Detail:

Pulse energy [μ J]:

Pulse duration [fs, if requested different to standard]:

Standard is ~30-50 fs

Bandwidth [%, if requested different to standard]:

Standard is ~0.1%

Focal spot size on sample:

Wavefront accuracy:

Requirements to optical laser parameters on sample

Wavelength [nm] w/2w/3w:

Pulse energy [J]:

Spot size [FWHM, μ m]:

Spatial profile (select): Gaussian _ / flat-top x / other _ (provide detail):

Pulse duration [fs/ns, pulse shaping: y/n]:

Anything else (e.g. bandwidth, contrast):

Requirements to x-ray detection channel(s)

Diffraction [y/n]:

Parameters [range, resolution]:

Imaging [y/n]:

Parameters [range, resolution]:

Spectroscopy [y/n]:

Type:

Parameters [range, resolution]:

(in either case, provide basic requirements if available)

Requirements to optical detection channel(s)

Method:

Parameters:

Experimental setup

Include sketch (if available):

Additional comments