**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:*

1. **Requirements to experiment parameters and setup**

**Requirements to x-ray parameters on sample**

*Photon energy [keV]:* *Range/several values:* *Detail:*

*Pulse energy [µJ]:*

*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, µm]:*

*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**