**SXR Parameter Table**

If multiple samples are planned, please add rows to the table and list all the samples proposed.

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter Table for SXR Standard Configuration (XAS/Scattering)** | | | |
| **Sample 1 Name** |  | |  |
| **Desired measurement** | **XAS** | **Small angle Scattering** | **Comments** |
| **Sample system (SiN support, TEM grid, freestanding…)** |  |  |  |
| **Single-shot experiments?** |  |  |  |
| **Applied Magnetic field?** |  |  |  |
| **Sample cooling/warming** |  |  |  |
| **X-RAY PARAMETERS** |  |  |  |
| **X-ray Energy Range (eV)** |  |  |  |
| **X-ray Energy Scanning?** | **Yes** |  |  |
| **X-ray pulse duration (fs)** |  |  |  |
| **X-ray focal spot size (µm)** |  |  |  |
| **Need monochromator?** | **Yes** |  |  |
| **Delta Polarization Control** | **Yes** |  |  |
| **Monochromatic bandwidth (ev)** |  |  |  |
| **X-ray beam time (# of shifts)** |  |  |  |
| **OPTICAL LASER PARAMETERS** |  |  |  |
| **Pump laser needed?** | **Yes** | **No** |  |
| **Wavelength (nm)** |  |  |  |
| **Pulse duration range (fs)** |  |  |  |
| **Maximum pulse energy (µJ)** |  |  |  |
| **Focal size (FWHM) (µm)** |  |  |  |
| **Polarization requirements?** |  |  |  |
| **Minimum fluence on target (mJ/cm2)** |  |  |  |
| **TSS time tool needed?** | **Yes** |  |  |