**XPP Parameter Table (Run 21 Standard Configuration)**

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

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| --- | --- | --- |
| **Parameter Table for the XPP Standard Configuration** | | |
| **Sample** | **Sample(S) description** |  |
| **Temperature range [C]** |  |
| **X-ray Parameters** | **X-ray Energy** | **Fixed to 9(Cu k-edge)-13 keV** |
| **X-ray Pulse Duration** | **Fixed to ~50fs** |
| **Mono bandwidth [meV]**  **(default 600 meV with Diamond(111))** |  |
| **X-ray Focal spot size within 10 to 200 µm** |  |
| **X-ray polarization**  **Vertical(default), horizontal or Circular (including switching capability)** |  |
| **Detector** | **Detector positioning range,**  **List of Bragg reflections and typical scattering angles.** |  |
| **Optical beam parameters** | **Wavelength [nm]** |  |
| **Pulse duration [fs]** |  |
| **Maximum Pulse Energy [µJ]** |  |
| **Focal size (FWHM) [µm]** |  |
| **Polarization requirements?** |  |
| **Minimum fluence on sample [mJ/cm2]** |  |
| **Geometry** | **Collinear or Non-collinear up to 7 degree** |
| **X-ray Beam Time** | **Number of shifts [1 shift = 12 hr]** |  |
| **Any additional comments** | |  |