**AMO Parameter Table**

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

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| **Parameter Table for AMO Spectroscopy Standard Configuration** |
| **Sample Name(s)** |  |
| **X-RAY PARAMETER(S)** |  |  |
| **X-ray energy(ies) (eV)** |  |  |
| **X-ray energy separation? (eV)** |  |  |
| **X-ray pulse duration (fs)** |  |  |
| **X-ray pulse separation (fs)** |  |  |
| **X-ray focal spot size (h x w) (µm)** |  |  |
| **X-ray beam time (# of shifts)** |  |  |
| **XTCAV needed?** |  |  |
| **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)** |  |  |
| **Time tool (TT) needed?** | **Yes  ☐** |  |