

**Standard Cfg. #2: Imaging parameter table**

**Matter in Extreme Conditions**

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| --- | --- |
| Proposal title |  |
| X-ray parameters | x-ray photon energy (energies) |  | keV |
| Spot size (minimum at target) |  | µm |
| beam mode |  | (e.g. SASE, seeded, etc) |
| Long pulse laser parameters | pulse duration |  | ns |
| pulse shape(s) |  | (descriptive) |
| Pulse shape(s) |  | (Optional sketches) |
| pulse energy |  | J (total) |
| phase plate (150, 300, or 600) |  | µm |
| time delays (vs X-rays) |  | ns |
| desired pressure range |  | GPa |
| Diagnostic | Desired field of view for imaging |  | µm |
| Requested imaging lens configuration(s), or “help me decide” |  | descriptive |
| filter for ePix10k  |  |  |
| etalon thickness of arm 1 in VISAR |  | mm |
| etalon thickness of arm 2 in VISAR |  | mm |
| number of VISAR test shots |  |  |
| Samples | specification of samples |  | Compositions of all layers in each proposed target |