Aluminum test matrix on XAPPER

Fluence was ~0.8 J/cm²

Spot size is 1/e spot size is 1.1 mm (FWHM is 820 µm)



| Magnification | Unexposed material | 1000 shots @ 10 kV 10,000 shots @ 10 kV | |
|---------------|----------------------|---|---------------------------------|
| 50× | | | |
| 100× | Autom to to till the | | |
| 150× | | | |
| 300× | | | and an and a state of the state |
| 600× | | | |
| 1000× | | | |
| 3000× | | | |
| 6000× | | | |

Tungsten test matrix on XAPPER

Fluence was ~1 J/cm2; Irradiated for 15 minutes @ 10 Hz (9000 pulses)



Spot diameter (1/e) is 1.1 mm (FWHM is 820 µm)

| Magnification | Single crystal tungsten | | Powder met. tungsten | |
|---------------|-------------------------------|---------|------------------------------|------------------------------|
| | Unexposed | Exposed | Unexposed | Exposed |
| 150× | Surgeoux 6.0 11 - 120 - 120/4 | | Connor 1.1 1.1 111 1111 | |
| 400× | and and a second second | | and the second second second | and the second second second |
| 1500× | | | | |
| 3000× | | | | |
| 6000× | | | | |
| 10,000× | | | | |