



D2 PHASER with XFlash

● XRD and XRF on a Desktop

- Superb energy resolution <math><180\text{ eV}</math> ($\text{CuK}\alpha$)
- Elemental range from K to Hf (~ 3 to 20 keV)
- Outstanding suppression of sample fluorescence for best peak to background ratio
- Switching to a single wavelength, e.g. $\text{CuK}\beta$, to minimize peak overlaps
- Phase identification up to ab-initio structure determination
- Element identification and monitoring of concentrations