FEL-Photoablation of Hydrogenated Diamond

The Thresholds Converge at Increased Wavelengths

- First measurement of wavelength dependent ablation threshold of diamond in the IR region.
- Threshold II indicates the onset of an ablation plume. (Prompt UV photons are also observed.)
- Two thresholds in photoablation were predicted by B. Garland (Appl. Phys. Lett. 74, 1341, 1999).