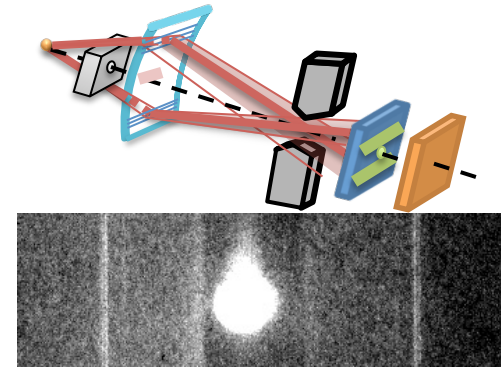
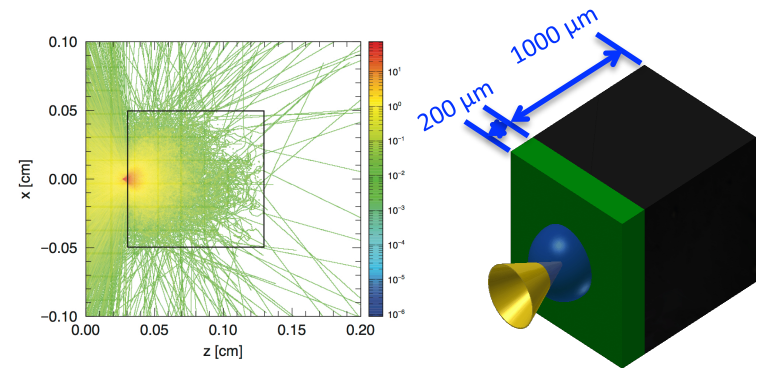


Summary

1. A Laue spectrometer is developed for quantitative high energy x-ray for fast ignition



2. Monte-Carlo simulations are conducted to model the hot electron propagation, and thus, $K\alpha$ generations.



3. A double layer target is designed for hot electron temperature and laser transfer efficiency measurement simultaneously.

4. Laser transfer efficiency to plane and cone-guided target was qualified.

