Lecture 5.

Spatially and temporally resolved XAS



Focusing x-rays

- Total external reflection: Bent mirrors, capillaries
- Bragg reflection from bent single crystals.
- Diffractive focusing elements: Fresnel zone plates
- Refractive focusing elements: Compound refractive lenses















Information from imaging • Distribution • Concentration → Species mapping • Speciation 200 µM

















































