National Research University of Information Technologies Mechanics and Optics

Department of Optical Information technologies and materials

Wide-angle X-ray scattering (WAXS) geometries. In-plane diffraction geometry; parallel beam geometry; Bragg–Brentano theta-theta and theta-2 theta geometry

> Lector : Nuriev R. K. Student: Tuzova U. V. Group : V4127c

WAXS is often used to



Difference between WAXS and SAXS



angles are observed

In-plane diffraction geometry



In-plane diffraction graph



Parallel beam geometry



Bragg-Brentano geometry





Theta-theta geometry



Theta-2 theta geometry



Theta-2 theta geometry



Scintag Pad X

Thanks for your attention