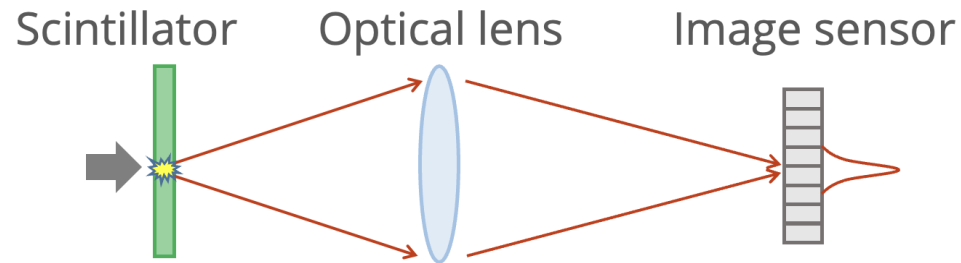


Breakout Session 2B

High-resolution detector and its applications

Organizer: N. Ozaki (Osaka Univ.), G. Yamaguchi (SACLA)

Scintillator-lens-coupled detector



DIFRAS-wf-1x



DIFRAS-wf-3.5x



DIFRAS-wf-7x



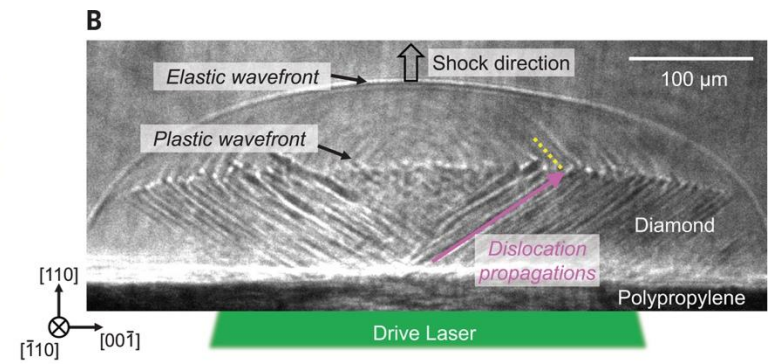
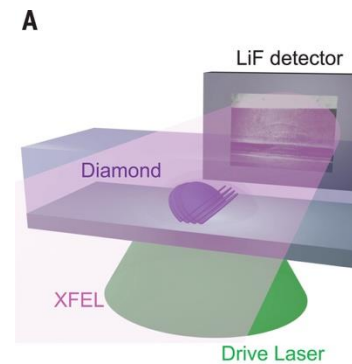
DIFRAS-wf-5.2x



DIFRAS-wf-10x

DIFRAS

LiF crystal X-ray detector



K. Katagiri et al., *Science* (2023)

Talks



High-resolution detector and its applications

Organizer: N. Ozaki (Osaka Univ.), G. Yamaguchi (SACLA)

Facility talk

“X-ray imaging detector DIFRAS for SACLA experiments”

T. Kameshima (SACLA)

User talks

“Laser fusion plasma study with XFEL imaging technique”

S. Fujioka (Osaka Univ.)

“Single-shot nano-holography with scintillator-based detector”

G. Yamaguchi (SACLA)

Discussions

- *Can we develop a high-resolution camera that can be used inside a vacuum chamber?*
 - Discussion on how we can use **DIFRAS** in a vacuum chamber
 - A proposal to create a small "**atmospheric chamber**" within the vacuum chamber and place **DIFRAS** inside it.
- *Concept for polarization X-ray imaging*

