SACLA Users' Meeting 2022

RIKEN

JASRI

# **Capabilities of intense X-ray sciences at BL3**

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on behalf of SACLA

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## **<u>'100exa' system</u>**

SACLA

SPring. 8

Tuning time: ~4 hours Lifetime of focus: >12 hours Available photon energy: <12 keV Throughput of optics: ~80 % Typical focus size: 100x200 nm fwhm

H. Yumoto et al., Appl. Sci, 10 (2020)

# Simple view camera Option for solution sample

### 500nm-KB for HPL

Tuning time: ~2 hours Lifetime of focus: > 24 hours

#### Available photon energy: <12 keV Throughput of optics: >80 % Typical focus size: 500 nm fwhm Y. Inubushi *et al., Appl. Sci,* 10 (2020)

#### Advanced two-color mode (SASE beam+seeded beam)

