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Present status of Kyoto University Free-Electron Laser facility, KU-FEL

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There are two accelerator based infrared light sources in Kyoto University Free-Electron Laser (FEL) facility. One is a mid-infrared FEL covering the wavelength range from 3.4 to 26 micro-m driven by 40-MeV multi-bunch electron beams supplied from an S-band RF gun and an S-band linac. The other is a coherent undulator radiation* covering the wavelength range from 0.1 to 0.6 THz driven by 3.6-MeV electron beam supplied from an S-band RF gun. Present status of those accelerator based infrared light sources will be reported in the conference.

Funding Agency

Footnotes

*H. Zen et al., Physics Procedia 84, pp.47-53 (2016).**S. Krainara et al., Review of Scientific Instruments 90, 103307 (2019).

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Yes

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