

Research Information



PI Name : Hideaki OHGAKI <http://www.iae.kyoto-u.ac.jp/quantum/ohgaki/>

Position : Professor

E-mail : ohgaki.hideaki.2w@Kyoto-u.ac.jp

Staff: Associate Prof. Toshiteru KII

Staff: Assistant Prof. Heishun ZEN

Staff: Assistant Prof. Jordi Cravioto Caballero (Knowledge unit)

Research Field

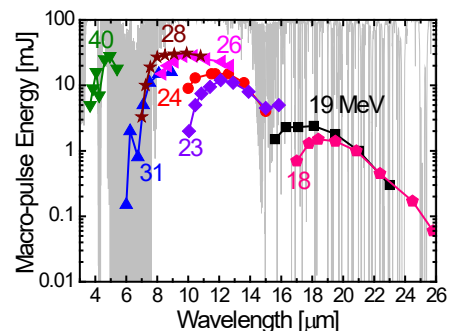
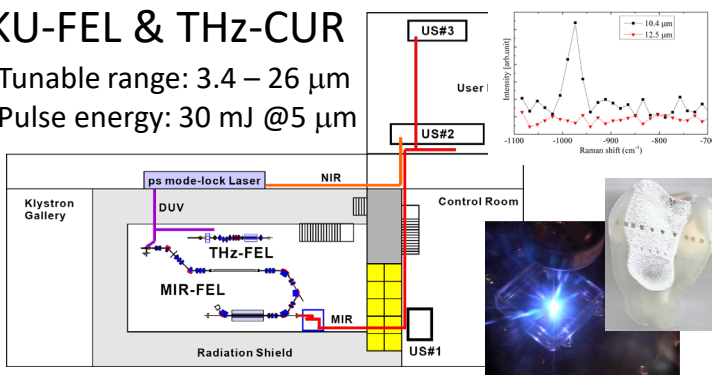
MIR Free Electron Laser and THz coherent radiation (Pump-probe Spectroscopy, Ablation, etc), Laser-Compton Gamma-ray (Nuclear Security). Compact Bulk Superconducting Undulator, Renewable Energy Implementation (Socio-Engineering)

Research Facility

KU-FEL & THz-CUR

Tunable range: 3.4 – 26 μm

Pulse energy: 30 mJ @5 μm



Research Activities

1) On-going project

Quantum Leap Flagship Program (MEXT Q-LEAP): Generation of as laser
Kakenhi: Bulk Superconducting Undulator, Isotope-CT by LCS

2) International collaboration

SICORP (JASTIP): Energy & Environment <http://jastip.org/en/>

JST SAKURA Science Program, JSPS Core 2 Core (KAPLAT)

AUN/SEED-net (Energy Engineering), e-Asia (Sugarcane Trash)

3) IAE has been conducting Zero Emission Energy Research by joint usage / research program which is available from abroad. http://www.iae.kyoto-u.ac.jp/zero_emission_e/

Comments

We are working on the very wide range photo beam science. Application study for energy materials by using unique character of our photon beams and advanced measurement system will offer a good research environment. Besides renewable energy (biomass, PV, etc) related research, especially its deployment in ASEAN has been conducting.