

Brief summary of discussion

1. BL1: timing tool will be operated in May 2018;
2. BL1: insertion device for generating circular polarized soft x-rays (~100 eV) ? Higher photon energy up to Boron K-edge (188 eV) ? (for future consideration)
3. 500 TW: Possibility of off-line use ?
 1. Full dedication of off-line use may not be straightforward
 2. We could consider to invite (potential) users to commissioning/tuning of laser or to early experiments in 2018A
 3. Collaboration among laser facilities, e.g., Osaka Univ., QST Kansai Institute, would be encouraged
4. Extended capabilities of XFEL performance
 1. Higher pulse energy: increase of pulse energy in higher photon energy may be achieved with harmonic lasing (consensus to Tanaka-san)
 2. Not only for maximizing pulse energy, but for improving spatial profile and/or spectral brightness
 3. BL1 sub-10-fs pulse duration
 4. Better time resolution. attosecond ? sub-10 fs ? Need pulse compression of XFEL and/or optical laser pulses
5. SPring-8 & SACLA combinative use
6. SACLA Basic Development Program

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7. BL2: pulse energy similar to BL3
8. SACLA future direction: Higher intensity with pulse compression or tight focusing is very important
9. Update of web information

Announcement

1. Afternoon sessions (@SACLA 2F)

Breakout sessions (13:30-15:30)

1. Mini-workshop on high energy density with XFELs (N. Ozaki)
2. Demands and proposals to SACLA from ultrafast chemistry users (S. Adachi, W. Gawelda, T. Katayama)
3. Progress and challenges in serial femtosecond crystallography (E. Nango, M. Kubo, S. Iwata)

Mini-review

1. New instrument for combinative experiments of 100-J nanosecond laser and XFEL (Y. Inubushi and T. Yabuuchi)
- ## 2. Presentations: facility part posted on HP

Next meeting, organization, etc.

1. Continuation of international users meeting (**in English**) would be highly useful
2. Next meeting: every September ? (or March ?)
 1. during summer break of universities in Japan
 2. during summer break of SPring-8 shutdown (**apologize for guesthouse issue**)
 3. need to avoid confliction with meetings by Japanese academic societies
 4. before LCLS users' meeting
3. Some parts (e.g., for non-experts including industrial parties) could be combined with SPring-8 symposium on August
4. SACLAC UC was established in May 2013. Thank you so much for Kodama-sensei's great effort !
5. Maybe good time to consider closer relationship with SPRUC (SPring-8 User Community) -> discuss with Prof. Nakagawa (chair of SPRUC)
6. When ? (FY2018 ?); Next chair ? ()