

FSC Meeting memo 2021.9.30 16:00-17:00 (JST)

[Haino, Somiya, Ando, Shao, Gao, Jin, Loenardi, Lee, Yamamoto, Saha]

- Self introduction by new members

- Initial task assignment

 - Ask help for the open meeting, other tasks will be assigned in the next meetings

- Reports

 - Conferences

 - * KAGRA F2F in August

 - Had a 1.5-hour session. Filter Cavity, Mirror, FSC

 - <https://dac.icrr.u->

 - [tokyo.ac.jp/KAGRA/KSC/f2f/2021August#session07](https://dac.icrr.u-tokyo.ac.jp/KAGRA/KSC/f2f/2021August#session07)

 - Next KAGRA F2F will be on Dec 20-21, 2021 (TBD)

 - Possibility of satellite session for students, R&D is under discussion in KSC board.

 - * LVK in September 2021: Filter Cavity, FSC activity

 - <https://wiki.ligo.org/LSC/Meeting/LVKMeetingSeptember2021>

 - KAGRA future Workshop will be helpful in the upcoming LVK

 - There was coating discussions, no decision was made.

 - Lots of questions (and misunderstandings) on KAGRA

 - mirror performance. → Coherent explanations will be helpful.

 - * Dawn VI meeting on 5,6,7 October 2021 → Focus on CE

 - Information of upcoming meetings

 - * GWIC: Somiya attended as the LoC chair of GWADW

 - * GWPAW in Hannover in December 20 (in person + online)

 - * LVK in March Louisiana (in person + online)

 - * KIW9 Beijing (TBD)

 - * LISA sympo. next year (online)

- Action Items

- Open meeting for R&D activities

→ November 9th, 2021, Announcement done [Somiya]

→ Select topics by FSC at first

~9 talks 20+10 min each

Suggested topic/ person:

- Meao on some new topic
- International filter cavity update, squeezing
- (Reduction of violin mode by Tomaru + Kanda)
- Coating thermal noise
- Long recycling cavity by Komori
- Update in KAGRA+ sensitivity curve by Somiya (or somebody)
- Water gravity gradient noise
- (Mirror birefringence)
- (Wave front sensor)
- (Displacement-free interferometer)
- New idea or R&D in data analysis

→ Continue the discussion on e-mail [A/I Somiya]

If the slot is not filled, consider in the following step

FWG mailing list → Nominate external people → Call to KAGRA ML

Presentation Time zone issue should be taken into account.

* FSC wiki page framework is now ready. Contents should be filled later

* Mailing list: working on subscription

FSC members will be added to FWG mailing list [A/I Somiya]

- White paper update?

→ TBD in the next meetings

White paper will be revised (or reviewed) every year.

•Free discussions: None today

Next meeting:

End of Oct or Beginning of Nov.

Doodle Poll. Time zone will be 22:00 or 23:00 in JST?? [A/I Ando]

•Information

- FSC presentation:

<https://gwdoc.icrr.u-tokyo.ac.jp/cgi-bin/private/DocDB/ShowDocument?docid=13275>

- FSC wiki:

<http://gwwiki.icrr.u-tokyo.ac.jp/JGWwiki/KAGRA/KSC/FSC>

- Mailing list:

kagra-fsc@icrr.u-tokyo.co.jp

kagra-fwg@icrr.u-tokyo.co.jp