

1st seminar in S-LLP: Seminar series  
on Long Lived Particle searches

# Opening

25 Feb, 2021

Ryu Sawada (ICEPP, Univ. of Tokyo), Osamu Jinnouchi (TokyoTech), Natsumi Nagata (Univ. of Tokyo), Hideyuki Oide (Tokyo Tech), Hidetoshi Otono (Kyushu Univ.), Satoshi Shirai (IPMU, Univ. of Tokyo)

# Seminar series on LLP searches

- A series of LLP workshops in Japan was initiated in 2017 by Osamu Jinnouchi, Hidetoshi Otono and Natsumi Nagata. They were held at Tokyo Institute of Technology in 2017–2018, and at the University of Tokyo in 2019
- Online conference/workshops are common since the last year. But the time-difference makes it difficult to fully join day-long workshops.
- We converted the style to a series of seminars with a short time so that many participants can focus on a single topic each time.

# Scope of this seminar

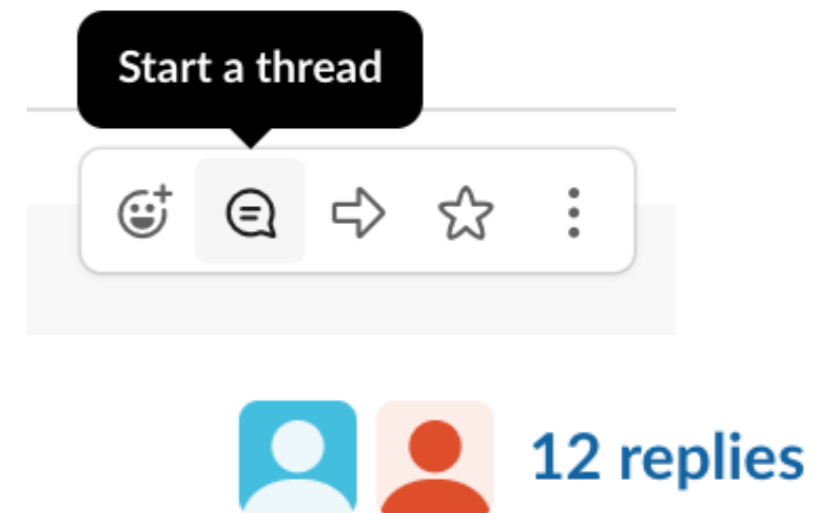
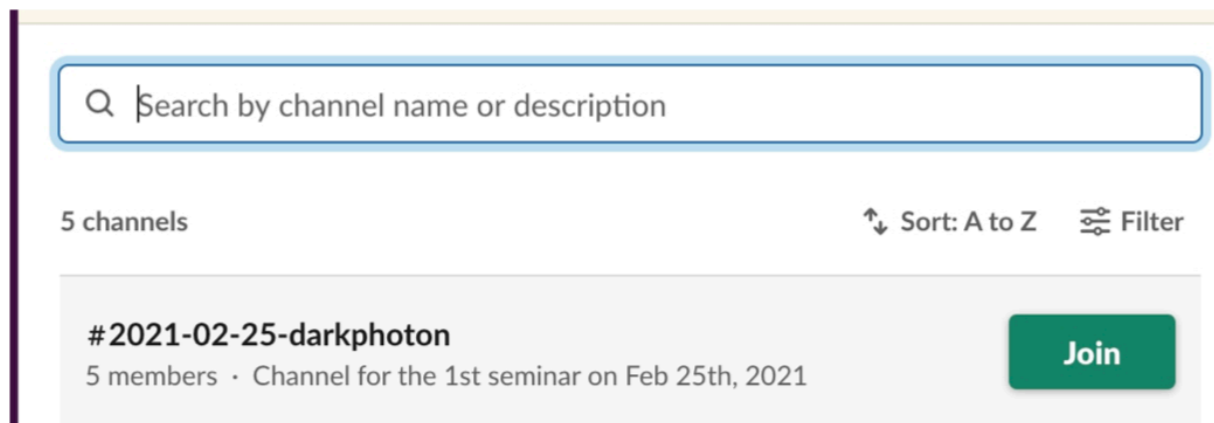
- This seminar targets on LLP models and searches which leave signatures in detectors. The scope is not limited to high energy colliders.
  - The new particle is not necessary to be produced in the detector; so the range of the lifetime can be  $O(10\mu\text{m})$  to  $O(100\text{m})$ .
- Talks will be given by experts, but participants from non-LLP communities are very welcome !

**If you have any ideas on topics and speakers for next seminars, please fill the survey on the [indico](#) of this seminar or put a comment in the “[topic-ideas](#)” channel on Slack !**

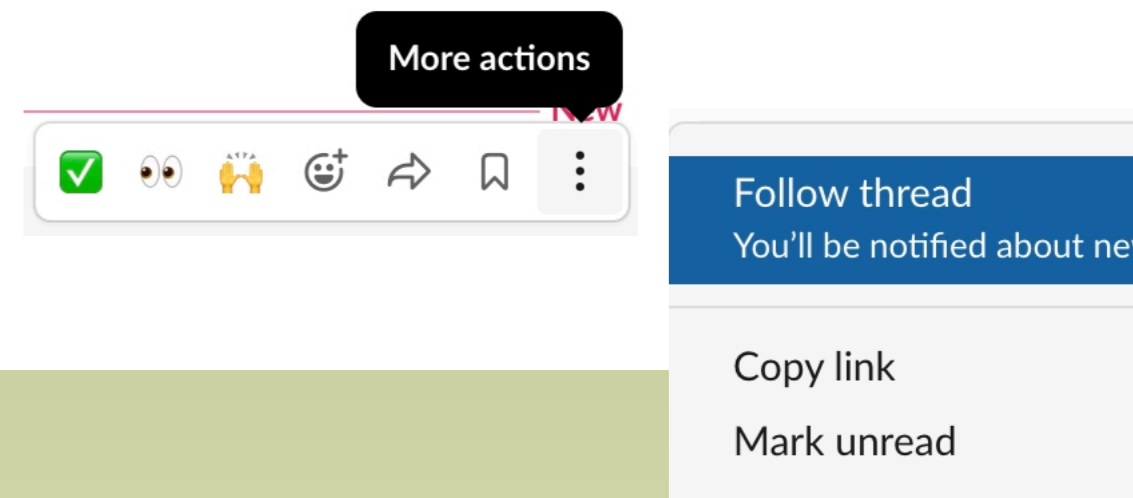
# Slack

- If you haven't, you can join the S-LLP workspace of Slack from the url written in the text file (Slack\_join\_link.txt) attached on the top page of indico. You can find also an instruction PDF.
- If you haven't, please find and join the “2021-02-25-darkphoton”

Then please click on “Browse channel”. Now you will find a channel for the next seminar such as “2021-02-25-darkphoton”, please click on the “Join” button.



- Using “thread”, several conversations can be done in a single channel.
  - Please follow interesting threads



# Questions / comments

- Slack
  - During talks, participants can chat on the presentations.
  - After talks, even after the seminar, we can send questions.
- You can ask questions/comments during the discussion sessions by raising hands in zoom. (i.e. Slack is not needed). But a session chair may pick some questions from conversations in Slack.

# Group photo

- We will take a screen shot of the zoom “Gallery” layout just before Simone’s talk.
- You may start your camera if you are fine to do.

# Recording

- Please be aware that **this seminar is recorded.**
- The recording will be uploaded to the indico top page.
- It is protected and is accessible only by registrants.