Kickoff of International Task Force Meeting for SuperKEKB

Mika Masuzawa (KEK)

From Y. Suetsugu's slides

- Activity period
 - Coming one year, before the LS1.
- Rough schedule
 - (Online) meeting per month basically.
 - Meetings are basically open, but may occasionally have closed sessions.
 - Special review by ARC per ~6 months.
 - Final report is to be submitted by the end of July, 2022.

	2021						2022						
	7	8	9	10	11	12	1	2	3	4	5	6	7
Meeting	C Kick off	0		0	0	0		0	0		0	0	
Review by Arc			0				0			As needed			Report
Machine operation				-		→		-					

Task force

- Charges
 - Consider effective ideas to realize luminosity of ~6x10³⁵ cm⁻² s⁻¹ as a result of an intermediate upgrade around 2026, which could include modifications of IR, final focus systems, injectors, but without changing the boundary to the Belle II detectors.
 - Find a realistic way before long shutdown 1 (LS1) scheduled to start Jul/2022 in order to achieve luminosity of the order of 10³⁵ cm⁻² s⁻¹ without large modification of accelerator components.

One of the important milestones

EXEK 2021

To solve challenging problems we face with SuperKEKB.

- We are entering important, crucial stages.
 - We need expertise from you,
 - We would like us to work together for SuperKEKB and future machine.

ITF kickoff meeting was held on July 28, 2021.

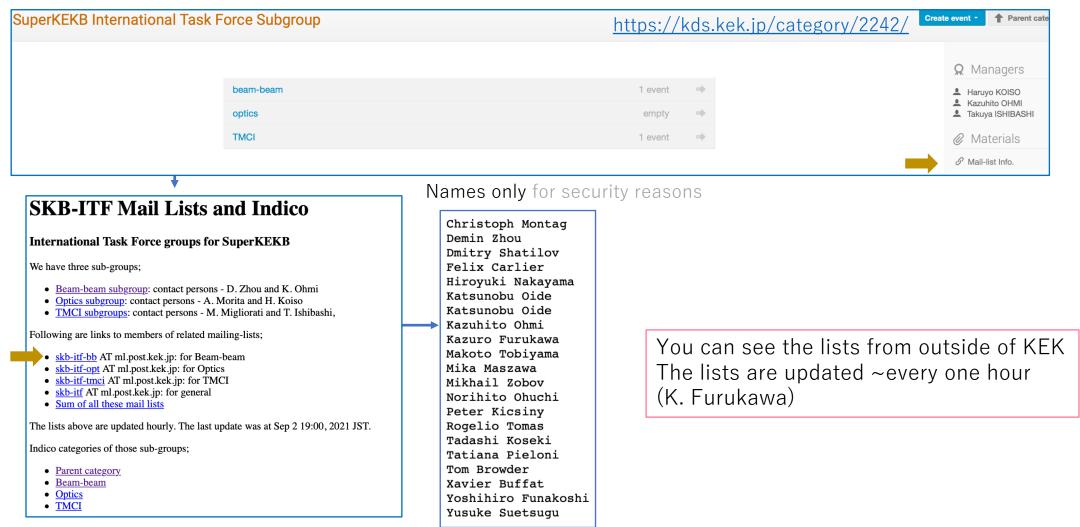
2nd one today Sep.2, 2021

- 1. Three working groups (sub-groups) organized and their indico sites created.
- ① Optics (Contact person: Akio Morita & Sub: Haruyo Koiso)
- 2 Beam-beam (Contact person: Demin Zhou & Sub: Kazuhito Ohmi)
- 3 TMCI (Contact person: Mauro Migliorati & Sub: Takuya Ishibashi), just ~10 days ago!

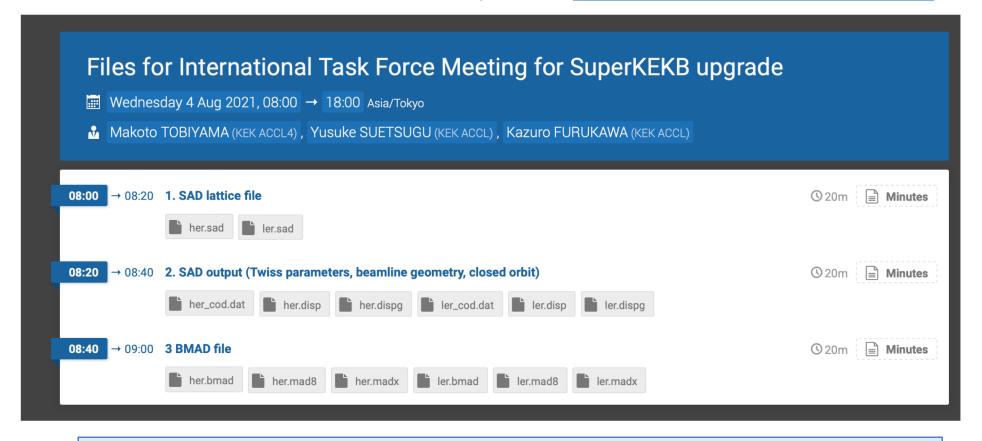




- 2. Email list for each group has been prepared. There seems be things to be improved..
- Q) Who are on each list?



3. Lattice files (sad and bmad/mad8/madx) are uploaded https://kds.kek.jp/event/39013/



Each sub-group will report on the current status in the next session.