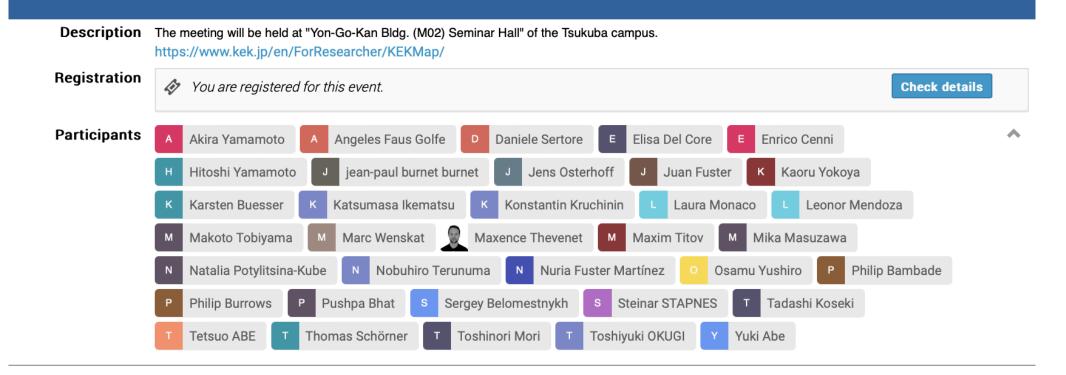




### EAJADE General Meeting at KEK

Thursday Sep 28, 2023, 11:30 AM → 8:40 PM Asia/Tokyo



#### 11:30 AM → 1:30 PM Guided tours of KEK facilities 1:30 PM → 2:30 PM Lunch break (KEK canteen) 🕚 1h 2:30 PM → 3:10 PM Welcome, opening, structural and organisational issues Convener: Dr Karsten Buesser (DESY) 2:30 PM Welcome from KEK () 10m Speaker: Tadashi Koseki (KEK) 😕 Welcome\_... 2:40 PM Scientific introduction 🕚 15m 🔀 👻 Speaker: Steinar Stapnes (CERN) intro-kek.p... 2:55 PM Organisational issues and open questions () 15m Speaker: Thomas Schörner (DESY) 20230928.... **3:10 PM** $\rightarrow$ 4:00 PM Work package reports: Work package reports (1) Convener: Thomas Schörner (DESY) 3:10 PM Work package 1 🕲 25m Speaker: Angeles Faus-Golfe (IJClab IN2P3-CNRS) 1st\_genera... 3:35 PM Work package 2 🕲 25m Speakers: Enrico Cenni, Laura Monaco (INFN) WP2 Mona... 4:00 PM → 4:20 PM Coffee break & ---ZOOM EAJADE Admin Meeting---() 20m https://desy.zoom.us/j/69078142124 4:20 PM → 6:00 PM Work package reports: Work package reports (2) Convener: Steinar Stapnes (CERN) 4:20 PM Work package 3 🕲 25m Speaker: Nuria Fuster Martinez (IFIC) 20230928... 4:45 PM Work package 4 O 25m Speaker: Maxim Titov (CEA Saclay, Irfu) 🔑 2023\_09\_K... 5:10 PM Work package 5 () 25m Speaker: Jens Osterhoff (DESY) 2023-09-28... 5:35 PM Work package 6 () 25m Speaker: Thomas Schörner (DESY) 20230928....

# Agenda: <u>https://indico.desy.de/event/40403/</u>

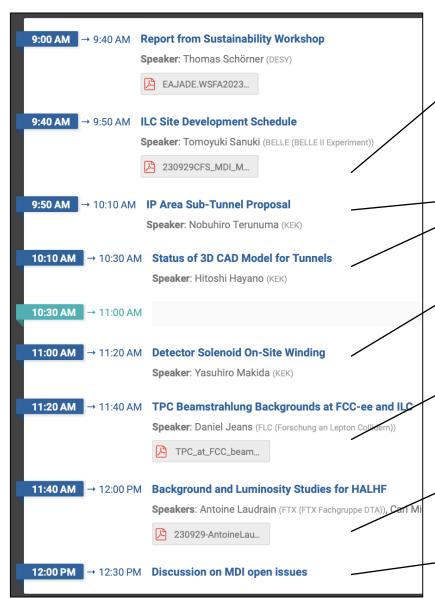
## **CFS/MDI Mini-Workshop 29 September 2023**

**Reviving former E-JADE mini-workshops** 

📰 Friday Sep	Mini-Workshop 29, 2023, 9:00 AM $\rightarrow$ 1:00 PM Asia/Tokyo an Bldg. (M02) Seminar Hall (KEK)	☑ -
Description	https://desy.zoom.us/j/69828417833	
	Meeting-ID: 698 2841 7833 Code: 314159	
Registration	You are registered for this event.	Check details
Participants	A angeles Faus Golfe D Daniel Jeans H Hitoshi Hayano J Jorge Berenguer Antequera	Karsten Buesser
	Nobuhiro Terunuma N Nuria Fuster Martínez P Philip Bambade T Thomas Schörner	T Tomoyuki Sanuki See the full lis
	T Toshiaki Tauchi Y YASUHIRO MAKIDA Y Yasuhiro Sugimoto	

## **CFS/MDI Mini-Workshop 29 September 2023**

#### **Reviving former E-JADE mini-workshops**



Creating reference schedule based on past work (site development, magnet construction, accelerator assembly time line, detector installation)

- Large uncertainty in all schedules, ball was dropped in 2019
- Local planning, legal procedures, environmental assessment, land purchase will require 4-6 years between green light and construction start.
- Detect. assembly start only after AH is ready (8-10 years after green light.
- → Reference schedule by the end of this fiscal year!
- Suggesting new access tunnel for the BDS, (espec. beam dump region)
- Optimisation of access tunnels in 3D CAD system IP has been shifted by 5 km since fewer residents affected
- Magnet winding as THE bottleneck. Discussing new sharing between on- and off-site work (smaller modules etc.)
- TPC background from Beamstrahlung comparable per BX in ILC and FCC (and Beamstrahlung dominates over ee→qq)
- But BX frequency 4.5k times higher at FCC
  - → Can a TPC work at FCC?
  - Boost leads to reduced muon momentum resolution (factor 2.2), mitigate via extended forward barrel region.
- Understanding F/B asymmetry and Bhabha / lumi requires more studies
- Beam strahlung effects + others require asymmetric bunch charge+length
- $\rightarrow$  There is lots to be done!