

WSFA2023

2023.9.25(mon) - 27(wed)

Aiina room501 / Morioka city / Iwate Pref. : 1st day Group Photo



← Online Participants

<https://indico.desy.de/event/39980/>



EAJADE General Meeting at KEK

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


Description The meeting will be held at "Yon-Go-Kan Bldg. (M02) Seminar Hall" of the Tsukuba campus.
<https://www.kek.jp/en/ForResearcher/KEKMap/>

Registration

📄 You are registered for this event.

[Check details](#)

Participants

- A Akira Yamamoto
- A Angeles Faus Golfe
- D Daniele Sertore
- E Elisa Del Core
- E Enrico Cenni
- H Hitoshi Yamamoto
- J jean-paul burnet burnet
- J Jens Osterhoff
- J Juan Fuster
- K Kaoru Yokoya
- K Karsten Buesser
- K Katsumasa Ikematsu
- K Konstantin Kruchinin
- L Laura Monaco
- L Leonor Mendoza
- M Makoto Tobiyama
- M Marc Wenskat
-  Maxence Thevenet
- M Maxim Titov
- M Mika Masuzawa
- N Natalia Potylitsina-Kube
- N Nobuhiro Terunuma
- N Nuria Fuster Martínez
- O Osamu Yushiro
- P Philip Bambade
- P Philip Burrows
- P Pushpa Bhat
- S Sergey Belomestnykh
- S Steinar STAPNES
- T Tadashi Koseki
- T Tetsuo ABE
- T Thomas Schörner
- T Toshinori Mori
- T Toshiyuki OKUGI
- Y Yuki Abe

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 → 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 (JCLab 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 25m

Speaker: Maxim Titov (CEA Saclay, Ifu)

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:
<https://indico.desy.de/event/40403/>

CFS/MDI Mini-Workshop 29 September 2023

<https://indico.desy.de/event/40176/>

Reviving former E-JADE mini-workshops

CFS/MDI Mini-Workshop

Friday Sep 29, 2023, 9:00 AM → 1:00 PM Asia/Tokyo

Yon-Go-Kan 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 | K | Karsten Buesser |
| N | Nobuhiro Terunuma | N | Nuria Fuster Martínez | P | Philip Bambade | T | Thomas Schörner | T | Tomoyuki Sanuki |
| T | Toshiaki Tauchi | Y | YASUHIRO MAKIDA | Y | Yasuhiro Sugimoto | | | | |

 See the full list



CFS/MDI Mini-Workshop 29 September 2023

Reviving former E-JADE mini-workshops

9:00 AM → 9:40 AM	Report from Sustainability Workshop Speaker: Thomas Schörner (DESY) EAJADE.WSFA2023...
9:40 AM → 9:50 AM	ILC Site Development Schedule Speaker: Tomoyuki Sanuki (BELLE (BELLE II Experiment)) 230929CFS_MDI_M...
9:50 AM → 10:10 AM	IP Area Sub-Tunnel Proposal Speaker: Nobuhiro Terunuma (KEK)
10:10 AM → 10:30 AM	Status of 3D CAD Model for Tunnels Speaker: Hitoshi Hayano (KEK)
10:30 AM → 11:00 AM	
11:00 AM → 11:20 AM	Detector Solenoid On-Site Winding Speaker: Yasuhiro Makida (KEK)
11:20 AM → 11:40 AM	TPC Beamstrahlung Backgrounds at FCC-ee and ILC Speaker: Daniel Jeans (FLC (Forschung an Lepton Collidern)) TPC_at_FCC_beam...
11:40 AM → 12:00 PM	Background and Luminosity Studies for HALHF Speakers: Antoine Laudrain (FTX (FTX Fachgruppe DTA)), Carl Mi... 230929-AntoineLau...
12:00 PM → 12:30 PM	Discussion on MDI open issues

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 $ee \rightarrow qq$)
 - 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

➔ There is lots to be done!