European ILC community meeting Wednesday 28 Sept 2022, 10:00 → 12:00 Europe/Zurich				
Descripti	on https://desy.zoom.us/j/99341718959			
	Meeting ID: 993 4171 8959 Passcode: 190525			
10:00 → 10:05	Welcome Speaker: Steinar Stapnes (CERN)	©5m 🕑 ▼		
10:10 → 10:45	 Very brief update on IDT EB matters ILC panel and visits of KEK management to the US LDG meeting and ILC presentation in November Lumin and power discussion at eeFACT EAJADE Sustainability presentations ATF etc Speaker: Steinar Stapnes (CERN)	©35m 🕝 ▼		
10:50 → 11:20	WG3, ECFA panels WG3, ECFA panels and DESY conference Speakers: Aidan Robson (University of Glasgow (GB)), Jenny List (Deutsches Elektronen-Synchrotron (DE))	⊙30m 🕑 🕶		
11:20 → 11:30	AOB and next meeting	©10m 🕑 💌		

Previus meeting 24.8 – brief updates

- Still optimism for MEXT funding request to the ILC Technology Network (aka Priority WPs)
- Meeting with Fabiola Gianotti and Mike Lamont Friday the same week
- Extending the CERN-KEK IDT agreement
- LDG meeting 5.9

Additional developments in September, I will also cover – briefly:

- eeFACT Higgs factory power and luminosities
- ESSRI 2022 tomorrow
- EAJADE and ATF3 kick-off/CB in January



Budget request officially submitted:

"MEXT submitted its budget request for 2023 Japanese Fiscal Year to the Ministry of Finance, which includes the KEK funding available for the ILC R&D, 9.7 Oku-yen. This is a factor of two increase compared to the 2022 budget level. The next step is the budget plan of the Ministry of Finance to the Diet, which should be released in December."

KEK (Yamauchi, Okada, Michizono) visited SLAC and Fermilab during the last two weeks

Next IDT panel meeting will take place 20.10

Focusing on discussing the steps and issues to be solved during the preparation phase of a global project (aiming to reach a general agreement on what these are).

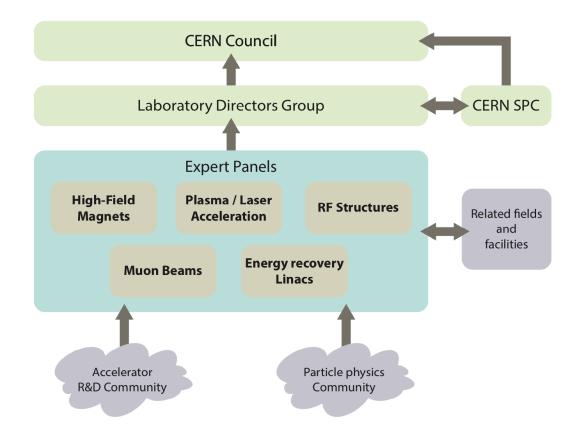
CERN interactions

Updated Fabiola Gianotti and Mike Lamont on the priority WPs and possible European model for executing "our" part:

- Agree that CERN can play coordinating role
- KEK material funding support very important (estimated to 4 MCHF)
- Aim to involve CERN personnel, fellows, PJAS as much as possible within current budget planning
- Limit number of CERN-European Lab contracts (only when funds need to flow)
- Present in LDG meeting this autumn, Nov 10th
- Extending existing CERN-KEK ILC IDT agreement by 2 years

LDG meeting 5.9

- Agreed to present European ILC planning in next meeting 10.11
- Informed leader of the RF panel, Giovanni Bifossi, about ILC programme
- Various panels reports in the Council this week, RF report well written covering among other the RF challenges of LCs (it is not project specific)



(Expected) Time Critical WPs (Europeriodential

				ma	terial (M\$)			Н	R (FTE-	yr)	
			1	2	3	4	Sum	1	2	3	4	Sum
WPP	1	Cavity production	0.63	0.51	0.46	0.87	2.47	3.12	2.78	0.58	1.05	7.52
WPP	2	CM design	0.03	0.01	0.00	0.00	0.04	0.35	0.23	0.00	0.00	0.58
WPP	3	Crab cavity	0.25	0.35	0.00	0.00	0.60	1.50	2.00	4.00	2.00	9.50
WPP	4	E- source	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WPP	5											
WPP	6	Undulator target	0.00	0.20	0.30	0.10	0.60	0.00	0.50	1.00	0.00	1.50
WPP	7	Undulator focusing	0.02	0.07	0.00	0.00	0.08	0.60	0.85	0.50	0.00	1.95
WPP	8	E-driven target	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WPP	9	E-driven focusing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WPP	10	E-driven capture	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WPP	11	Target replacement	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WPP	12	System design	0.00	0.00	0.00	0.00	0.00	0.70	0.70	0.00	0.00	1.40
WPP	13											
WPP	14	Injection/extraction	0.00	0.05	0.00	0.00	0.05	0.05	0.05	0.00	0.00	0.10
WPP	15	Final focus	0.02	0.10	0.00	0.00	0.12	1.00	1.00	0.50	0.50	3.00
WPP	16	Final doublet	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.05
WPP	17	Main dump	0.00	0.00	0.00	0.00	0.00	0.05	0.05	0.05	0.05	0.20
WPP	18											
Tota	.1		0.94	1.29	0.76	0.97	3.96	7.36	8.21	6.63	3.60	25.80
		SRF infra	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		ATF infra	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Total	0.94	1.29	0.76	0.97	3.96	7.36	8.21	6.63	3.60	25.80

Presenting the programme

European presentation of ILC studies

WP1 with three tasks, or WP1-3: SRF

- SRF: Cavities, Module, Crabs

WP2 Sources

- Concentrate on undulator scheme positrons, consult on others

WP3 DR including kickers

- Low Emittance Ring community

WP4 ATF activities

- Groups active in ATF (including new ones)

WP5 Implementation

- Dump, CE, Cryo, Sustainability, others

Personnel with interest and skills in European labs, local infrastructure

CERN LC, project office Material funds as estimated (major/core part from KEK), local funding

EAJADE



65th ICFA Advanced Beam Dynamics Workshop on High Luminosity Circular e+e- Colliders (eeFACT2022)

12–16 Sep 2022 INFN Frascati National Laboratories Europe/Rome timezone

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During eeFACT:

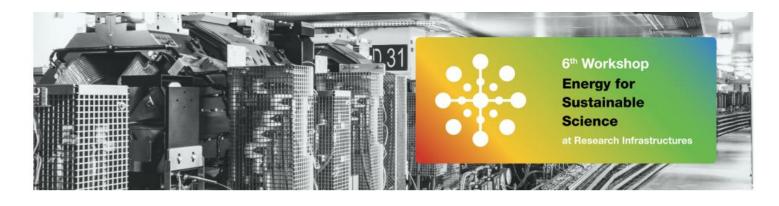
Interesting discussion session arranged in relation to AF3 (Snowmass), checking a bit more closely the assumption behind the luminosity and power numbers for the various Higgs factory options. Keep in mind: the Implementation Task force took the proponents Lum & Pow numbers as provided (i.e. no special scrutiny).

Interesting session but no revealing new insights I felt (but I did not attend Thursday part with the less mature concepts).

Link to the talks at: <u>https://agenda.infn.it/event/21199/timetable/#all.detailed</u>

17:00	Power limit concerns	Vladimir Shiltsev 🥝
	Link #2 Aula Salvini	17:00 - 17:10
	C^3	Emilio Nanni 🥝
	Link #2 Aula Salvini	17:10 - 17:30
	CERC and ReLiC	Vladimir Litvinenko et al. 🥝
	Link #2 Aula Salvini	17:30 - 18:00
18:00	HELEN	Sergey Belomestnykh (REMOTE) 🥝
	Link #2 Aula Salvini	18:00 - 18:20
	FIG	Todd Satogata 🥝
	EIC	Tobb Saloyala

9:00	FCCee	FRANK ZIMMERMANN
	Link #2 Aula Salvini	09:00 - 09:30
	CEPC	Jie Gao (REMOTE)
	Link #2 Aula Salvini	09:30 - 10:00
0:00	CLIC	Steinar Stapnes (REMOTE)
	Link #2 Aula Salvini	10:00 - 10:30
	ILC	Benno List (REMOTE)
	Link #2 Aula Salvini	10:30 - 11:0



29–30 Sep 2022 ESRF, Grenoble				Enter your search t
Europe/Paris timezone				
	15:00	MD-1-21, ESRF 14:50 - 15:15	⊢rançois ⊔ebray	
		Energy management University Darmstadt Christopher Ripp	ESRF EBS energy management	Christian Nevo
		MD-1-21, ESRF 15:15 - 15:40	Auditorium, ESRF	15:15 - 15:40
		Coffee break	Coffee break	
		ESRF01, ESRF 15:40 - 16:00	ESRF01, ESRF	15:40 - 16:00
	16:00	Sustainability at Fermilab and the PIP-II Project Tiffany Price	A big science facility as a living-lab for ene Frédéric Wurtz	ergy transition:
		Sustainability studies for Linear Colliders Steinar Stapnes	ISO 50001 Energy management Nicolas	Bellegarde et al.
		MD-1-21, ESRF 16:25 - 16:50	Auditorium, ESRF	16:25 - 16:50
	17:00	Investitgating energy futures: The KITTEN test facility for Giovanni De Carne	Water, reduction in consumption and treats Serge Deleval	ment of efflue
		Sustainable accelerator R&D in the UK Ben Shepherd	Rare earth and Life cycle management	Denise Voelker
		MD-1-21, ESRF 17:15 - 17:40	Auditorium, ESRF	17:15 - 17:40
		Closeout	Superconducting alternative magnets	Lucio Rossi
			Auditorium, ESRF	17:40 - 18:05

ESSRI 2022: https://indico.esrf.fr/event/2/

See IAEA presentation of Benno: https://conferences.iaea.org/event/264/contributions/21011/ Regular meetings of List, Michizono, Saeki, Titov, Stapnes:

Planning underway of how to address sustainability in a more general way, among others carbon footprint of facility and acc. work, of materials and their processing, etc.

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Likely a (the) dominating CO2 impact by 2040-50

Relevant for ILC, CLIC, other machines, and EAJADE (WP4)

Other points

EAJADE approaching grant agreement – Thomas would normally report. Start February-March.

Initiative to "refresh/renew" ATF collaboration and activities with kick off meeting and CB in January (Terunuma, Faus-Golfe). Will also benefit from EAJADE.