



Giornata nazionale EIC\_NET 2022

## Preventivi 2023 e organizzazione

P. Antonioli  
INFN-Bologna

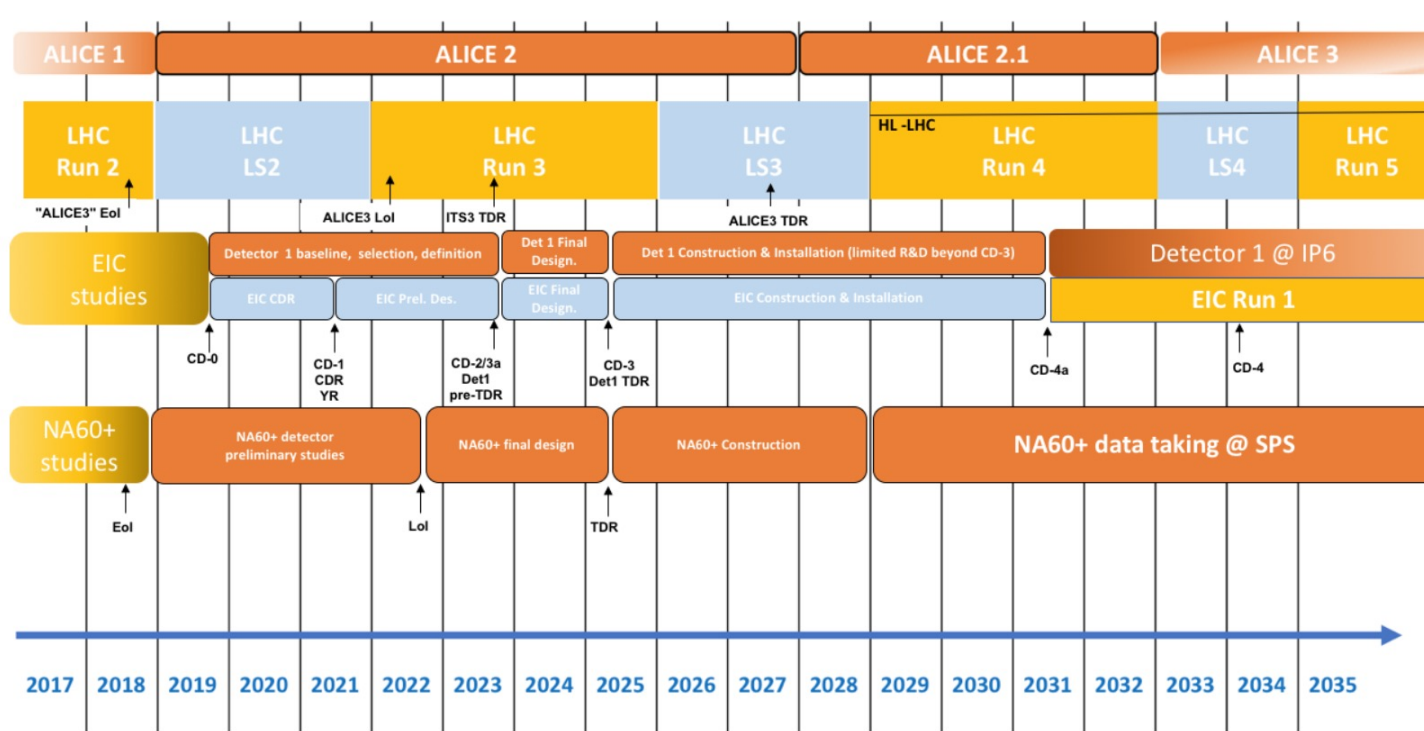
# No outline

- Move organization closer to Detector 1
- Resources, external funds and FTE
- Planning 2023 and "preventivi 2023"
  
- Miscellanea
  - EIC+JLAB sigla?
  - Status of LGAD discussions
  - Share master thesis topics
  
  - Synergies EIC – ALICE – NA60+

## Action points:

- insert SA, PV in IB Detector 1
- fix milestone dRICH
- nominations for ByLaw committee
- convene dRICH meeting at EICUG meeting

# Synergies on detector R&D activities between INFN groups working on ALICE-ITS3/ALICE3, EIC\_NET and NA60+ initiatives and ALICE Italy



- 90 KEU for 2023 synergetic to ALICE
- 400 KEU from ALICE synergetic to EIC
- missions not included (but... test beams)

# Detector-1 is a **real** Collaboration now

indico.bnl.gov/category/402/

EIC Project Detector

Create event - Navigate Parent category [calendar icon] [eye icon]

Project-Collaboration Management	15 events	🛡️ ➡️
Tracking	9 events	➡️
Calorimetry	24 events	➡️
Far Forward	5 events	➡️
Far Backward	14 events	➡️
DAQ / Electronics / Readout	10 events	➡️
Software and Computing	25 events	➡️
General Meetings	15 events	➡️
CerenkovPID	16 events	➡️
ToF-PID	5 events	➡️
Global Detector & Integration	9 events	➡️
Simulation, Production & QA	87 events	➡️
Inclusive Physics	5 events	➡️
Semi-Inclusive Physics	5 events	➡️
Exclusive, Diffraction, & Tagging Physics	3 events	➡️
Jets & Heavy Flavor	22 events	➡️
BSM & Precision EW	9 events	➡️
WG Convener Meetings	13 events	➡️

### Managers

- 👤 Bernd Surrow
- 👤 E. C. Aschenauer
- 👤 John Lajoie
- 👤 Or Hen
- 👤 Rolf Ent
- 👤 Silvia Dalla Torre
- 👤 Tanja Horn

calendar!!!

event - Navigate Parent category [calendar icon] [eye icon]

**Download current category:**  
📅 Calendar file

**Permanent link for public information only:**  
`https://indico.bnl.gov/export/categ/402.ics?from=-31`

👤 E. C. Aschenauer

# Detector 1 mailing lists

<https://lists.bnl.gov/mailman/listinfo>

<a href="#">Eic-projdet-bsmew-l</a>	<i>[no description available]</i>	
<a href="#">Eic-projdet-calo-l</a>	<i>[no description available]</i>	
<a href="#">Eic-projdet-collab-l</a>	<i>[no description available]</i>	ALL ?
<a href="#">Eic-projdet-compstw-l</a>	<i>[no description available]</i>	Andrea
<a href="#">Eic-projdet-conveners-l</a>	<i>[no description available]</i>	Andrea/Roberto/MarcoR/Silvia
<a href="#">Eic-projdet-cpid-l</a>	<i>[no description available]</i>	Roberto + <b>dRICH</b>
<a href="#">Eic-projdet-daq-l</a>	<i>[no description available]</i>	Pietro
<a href="#">Eic-projdet-excldiff-l</a>	<i>[no description available]</i>	Salvatore Marta Marcella
<a href="#">Eic-projdet-farback-l</a>	<i>[no description available]</i>	
<a href="#">Eic-projdet-farforw-l</a>	<i>[no description available]</i>	
<a href="#">Eic-projdet-globalint-l</a>	<i>[no description available]</i>	
<a href="#">Eic-projdet-inclusive-l</a>	<i>[no description available]</i>	
<a href="#">Eic-projdet-jethf-l</a>	<i>[no description available]</i>	Pietro
<a href="#">Eic-projdet-sc-l</a>	<i>[no description available]</i>	Silvia
<a href="#">Eic-projdet-semiincl-l</a>	<i>[no description available]</i>	MarcoR/Chandra/Silvia
<a href="#">Eic-projdet-simqa-l</a>	<i>[no description available]</i>	
<a href="#">Eic-projdet-tofpid-l</a>	<i>[no description available]</i>	
<a href="#">Eic-projdet-tracking-l</a>	<i>[no description available]</i>	Domenico/Giacomo

# Organization: moving closer to Detector 1

move our internal organization more strictly linked to Detector 1

"Executive Board" → Coordination group

now would include: current EB members + all management/conveners roles in Det 1 + Salvatore  
map & monitor relevant Det1 WG  
ensure R&D work is aligned with Det1

1 meeting/month (brief) + bi-directional exchange of information  
first meeting during week 15-23 July (prepare EICUG meeting)

confirm "Monday" meeting organization

tracking WG?

# Resources and grow EIC generation

reform of "assegni di ricerca" → "contratti di ricerca"

PhD positions

"shared" PhD

external funds & projects:

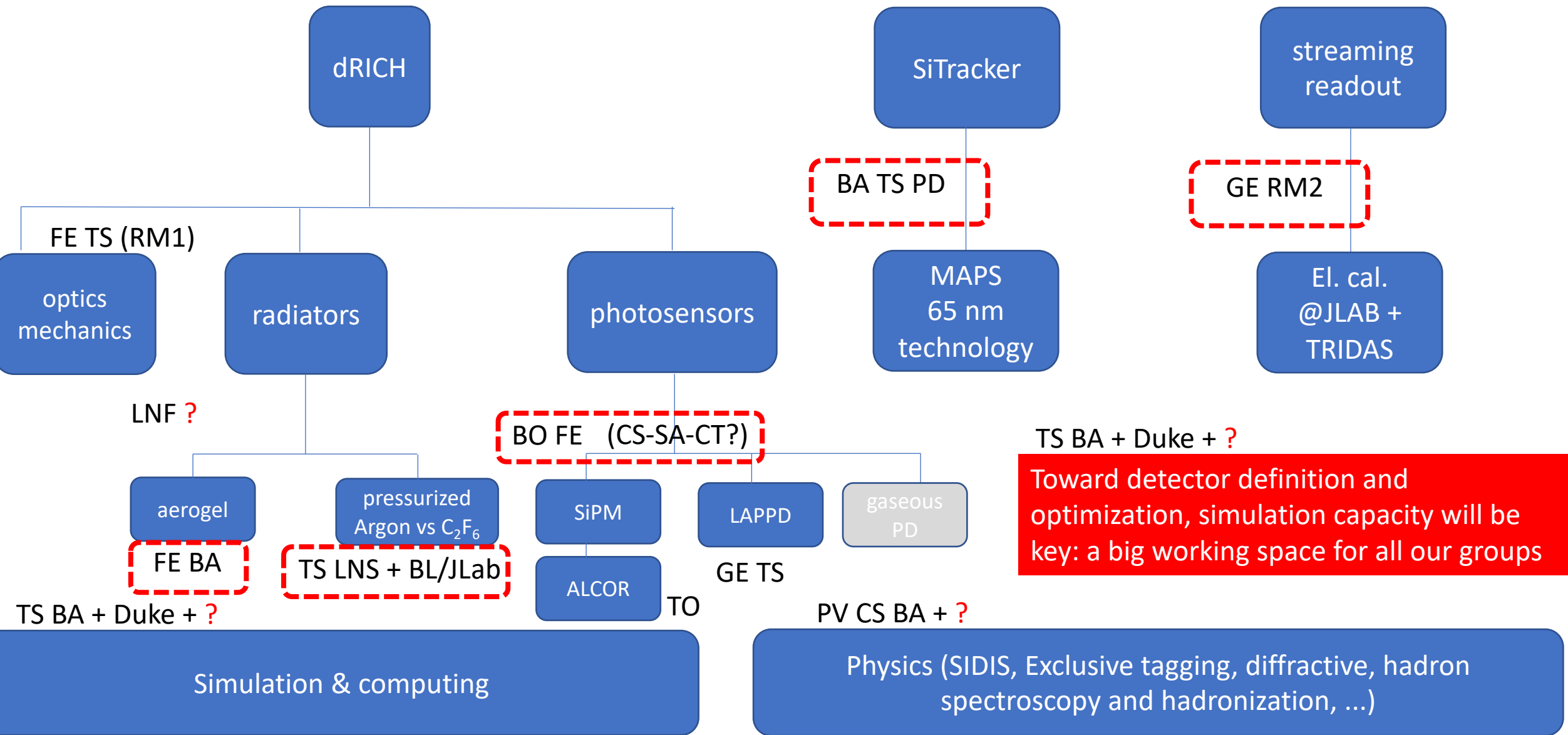
- eRD: 102, 110, (105), 111, 109
- STRONG2020+
- AIDAINNOVA successor (> 2024)
- PRIN (and mini-PRIN)
- call gruppo 5
- MAECI ?
- (no eRD generic applications IMHO)

+ our departments + INFN sections

Project	Topic
eRD101	Modular RICH / aerogel RICH
eRD102	Dual-radiator RICH
eRD103	High-performance DIRC
eRD104	Silicon service reduction
eRD105	SciGlass
eRD106	Forward EMCAL
eRD107	Forward HCAL
eRD108	Cylindrical / planar MPGD
eRD109	ASICs / electronics
eRD110	Photosensors
eRD111	Silicon tracked (excluding electronics)
eRD112	AC-LGAD (including ASIC)



# EIC\_NET "map": refining our commitments





# Preventivi 2023

Deadline: 24 luglio (23.59)

The screenshot shows a web browser window with the URL `preventivi.dsi.infn.it/#/2023/priv/s:csn3:eic_net/dashboard`. The page title is "Preventivi di Spesa" and the user is logged in as "Antionioli Pietro". The navigation menu includes "Home Page", "Dashboard - EC1", "Richieste - EC2/EC4", "FTE - EC7", "Attività - EC5", "Pianificazione - EC6", and "Milestone - EC8". The "EIC\_NET" project is selected in the left sidebar.

The main content area displays the "Progetto EIC\_NET (CSN3) - Preventivo anno 2023 -" with the following information:

Informazioni generali sul progetto.  
Nota: è possibile indicare un macroprogetto per riunire più progetti che partecipano ad attività comuni es. INFN\_E  
Il nome del macroprogetto sarà mostrato come prefisso nelle liste dei progetti di CSN e sarà possibile cercare e ordinare per questo campo

The "Obiettivi di Progetto" section contains a rich text editor with the following text:

Preparatory activities for the future experiments at the USA Electron Ion Collider (EIC). The activities include: - establishing a national and international networking to support the EIC project and to form international collaborations for the experiments at EIC; - performing physics studies, simulations and detector R&D for the future experiments at EIC.

On the right side, there are two form fields: "Responsabile Nazionale" (filled with "Pietro Antionioli") and "Linea di Ricerca" (filled with "Quark and Hadron Dynamics").

[https://preventivi.dsi.infn.it/#/2023/priv/s:csn3:eic\\_net/dashboard](https://preventivi.dsi.infn.it/#/2023/priv/s:csn3:eic_net/dashboard)

# Preventivi 2023

beginning of June "survey". → insert in "preventivi"

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	
1	Sezione Anagrafica					Richieste							Commenti esplicativi		
2	Struttura	Ricercatori	FTE (Ric)	Tecnologi	FTE (Tec)	missioni	consumo	trasporti	inventario	Licenze-sw	apparati	spservizi	Totale		
3	BA	10	2,2	1	0,05	15,00	8,00						23,00	Missioni: 5 k USA + 3 k ITA + 5 k Test-beam aerogel + 2 k Test-beam e R&D silici (da mettere su ALICE?) Consumo: 3 k contributo test su fascio al CERN campioni aerogel + 5 k acquisto e assemblaggio SiPM su pcb	
4	BO	4	1	2	0,5	15,00	35,00		10,00				60,00	10k per acquisto chiller, 5 k missioni USA, 5k missioni irraggiamento, 5k missioni test-beam, 10 k sviluppo e produzione schede di elettronica, 10 k acquisto SiPM oppure 25 k run SiPM	
5	CS	3	0,9	0	0	5,50	6,00		4,00				15,50	Networking: 3k missioni USA, 1.5k missioni Europa (PARTONS Collab.), conferenze, 1.0 viaggi Nazionali per lavoro comune LGAD e fenomenologia con altri gruppi (e.g. TO, e teorici: PV, PG). Consumi ed inventariato: Consumi e strumentazione lab per nuova attivita' LGAD, alternativamente SiPM	
6	CT	2	0,5	0	0	7,50			9,00				16,50	Missioni networking (2.5 keu) + test beam (2.5 keu). Acquisto scheda elettronica per test Sipm (DT5202 Caen+ accessori)	
7	FE	2	0,5	0	0	7,50	20,00		10,00				37,50	Missioni networking (2.5 keu) + test beam (5 keu). Ottimizzazine componenti. Ripristino laboratorio di ottica.	
8	GE	5	1,3	1	0,2								0,00		
9	LNF	2	0,1	0	0								0,00		
10	LNS	3	1,3	1	0,5	7,50	5,00	3,00		5,00	20,00		40,50	Missioni networking (2.5 ke) + test beam (5 ke) + meccanica (0.5ke). Licenze software. Realizzazione apparato e trasporto	
11	PD	2	0,4	0	0								0,00		
12	RM1	2	0,2	1	0,1								0,00		
13	RM2	4	0,5	0	0	4,00			5,00				9,00	acquisto scheda per sviluppo algoritmi di AI su FPGA	
14	TO	5	0,95	1	0,1	8,00	7,00		5,00	2,00			22,00	2 FPGA e 1 impulsatore // Cadence-LabView	
15	TS	9	4	0	0	15,00	15,00		10,00				40,00	missioni networking (detector-1 management, computer and software, dRICH); missioni R&D (LAPPD); consumi (renting LAPPD, consumi di lab); equipment (up-to-date optimized HV)	
16	RespNaz												0,00	per eventuale tasca missioni e/o indivisa post-discussioni	
17	<b>Totale</b>	<b>53,00</b>	<b>13,85</b>	<b>7,00</b>	<b>1,45</b>	<b>85,00</b>	<b>96,00</b>	<b>3,00</b>	<b>53,00</b>	<b>7,00</b>	<b>20,00</b>	<b>0,00</b>	<b>264,00</b>		

# Towards preventivi

by 7 July → inserimento dati nel sito e ANAGRAFICA – on-going discussion

by 7 July → draft annual report (PA)

8 July 10:00 AM → meeting CEI [ planning ]

8 – 18 July [ refinement annual report + preventivi ]

18 July 10:00 AM → meeting CEI [ publications policy + final touches ]

19 July – 23 July → finalization + "refereee preview"

- E' fondamentale inserire e/o inviare preventivi a supporto
- Piano missioni dettagliato
- Tasca RN "grande" o pre-allocamento a sezioni?

# Discussion

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- Moving organization closer to Detector 1
- Resources, FTE, sigle...
- Preventivi

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Backup

# Electron-Ion Collider User Group Meeting - 2022

CFNS, Stony Brook University, July 26 - 30, 2022



# The next big step



- First face-to-face meeting of the community since 3 years and first meeting of the new Collaboration
- The Collaboration will get a name!
- We need to "convene" on dRICH and set our role in tracker, computing and DAQ
- Key role of Silvia, Roberto, Andrea and Marco in SC or conveners (PID, computing, SIDIS) + Silvia/Marco in EICUG SC

	Sunday 24	Monday 25	Tuesday 26	Wednesday 27	Thursday 28	Friday 29	Saturday 30
MORNING I	EARLY	EARLY	Project+DOE Updates	Detector I	Detector II + IR8	Long Range Plan Discussion	Open
MORNING II			Detector I	Detector I	IB Meeting	RHIC TOUR	Open
AFTERNOON	CAREER	CAREER	Detector I	Detector I	EICUG Committee Updates	TAVERN on the GREEN	<del>X</del>

### Project + DOE Updates

- Update from the project
- Status of Detector I
- Status of Accelerator Design
- News from DOE

30/06/2022 11/12 from INFN attending

# EIC\_NET organization: progresses building a community

<https://agenda.infn.it/category/1147/>

EIC\_NET

Enter your search term

Simulation and Physics Performance	38 events	⇒
Miscellanea	1 event	⇒
Giornata Nazionale	4 events	⇒
Incontri con i referee	4 events	⇒
Comitato EIC Italia	3 events	⇒
dRICH	12 events	⇒
EIC_NET meetings	3 events	⇒

Monday at 11:30-13:00 bi-monthly

← today and previous editions (since 2019)

Monday at 11:30-13:00 bi-monthly

EIC\_NET meetings

Enter your search term

General meetings (online) for EIC\_NET community These meetings are at large for the whole EIC\_NET INFN community as an update channel on the various activities. They are held every 2-3 months, depending on developments on EIC project and critical achievements in R&D carried out by INFN groups.

Zoom links in each event page.

General mailing list: [eic\\_net\\_all@lists.infn.it](mailto:eic_net_all@lists.infn.it)

March 2022

28 Mar [riunione EIC\\_NET](#)

January 2022

31 Jan [riunione EIC\\_NET](#)

Quarterly general meetings (online)  
Monday 10:00 – 13:00

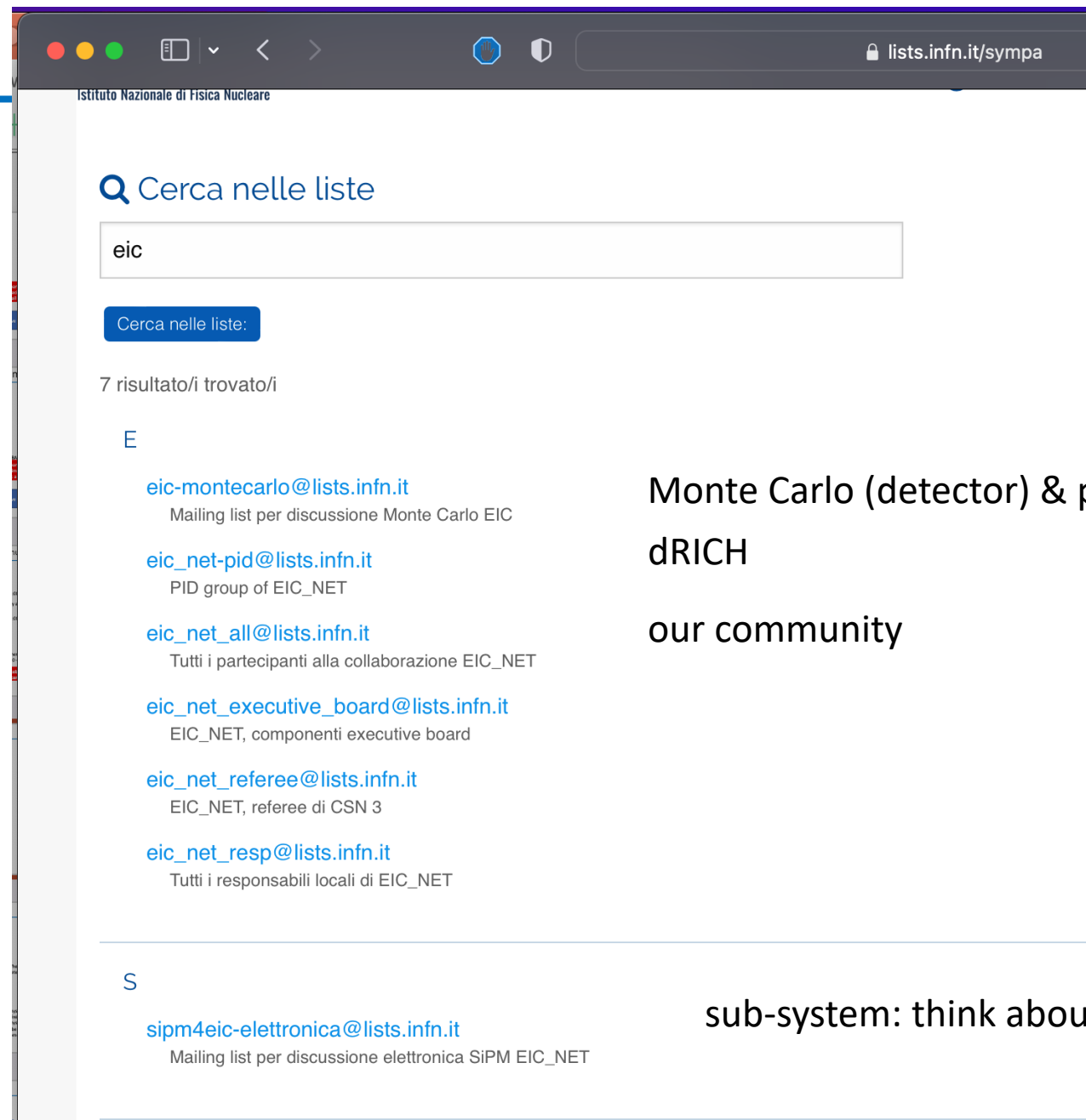
next: **October 3<sup>rd</sup>**  
**December 5<sup>th</sup>**





# mailing lists

suggestions:  
build vertex mailing list



The screenshot shows a web browser window with the URL `lists.infn.it/sympa`. The page title is "Istituto Nazionale di Fisica Nucleare". A search bar contains the text "eic". Below the search bar is a blue button labeled "Cerca nelle liste:". The search results are displayed under the heading "7 risultato/i trovato/i".

**E**

- [eic-montecarlo@lists.infn.it](mailto:eic-montecarlo@lists.infn.it)  
Mailing list per discussione Monte Carlo EIC
- [eic\\_net-pid@lists.infn.it](mailto:eic_net-pid@lists.infn.it)  
PID group of EIC\_NET
- [eic\\_net\\_all@lists.infn.it](mailto:eic_net_all@lists.infn.it)  
Tutti i partecipanti alla collaborazione EIC\_NET
- [eic\\_net\\_executive\\_board@lists.infn.it](mailto:eic_net_executive_board@lists.infn.it)  
EIC\_NET, componenti executive board
- [eic\\_net\\_referee@lists.infn.it](mailto:eic_net_referee@lists.infn.it)  
EIC\_NET, referee di CSN 3
- [eic\\_net\\_resp@lists.infn.it](mailto:eic_net_resp@lists.infn.it)  
Tutti i responsabili locali di EIC\_NET

**S**

- [sipm4eic-elettronica@lists.infn.it](mailto:sipm4eic-elettronica@lists.infn.it)  
Mailing list per discussione elettronica SIPM EIC\_NET

Monte Carlo (detector) & physics

dRICH

our community

sub-system: think about others...