ePIC Collaboration Status

John Lajoie and Silvia Dalla Torre

ePIC General Meeting, May 26, 2023

REMINDER:

Major communications at the previous meeting are also included, skipping details

For more information, visit the May 11 agenda with slides and meeting recording at:

https://indico.bnl.gov/event/19185/

TODAY AGENDA

10:30 → 11:30 **General Status and Updates**

Conveners: John Lajoie (Iowa State University), Silvia Dalla Torre (INFN, Trieste)

- 10:30 **ePIC Collaboration Status**
  Speakers: John Lajoie (Iowa State University), Silvia Dalla Torre (INFN, Trieste)
- 10:55 **EIC Project Update**
  Speakers: E. C. Aschenauer (BNL), Rolf Ent (Jefferson Lab)
- 11:20 **Discussion**
  Speakers: John Lajoie (Iowa State University), Silvia Dalla Torre (INFN, Trieste)

11:30 → 11:50 **Overview of Software and Computing**

Speaker: Markus Diefenthaler (Jefferson Lab)

11:50 → 12:10 **Report from Software and Analysis Joint Meeting**

Speakers: Markus Diefenthaler (Jefferson Lab), Rosi Reed (Lehigh Unive

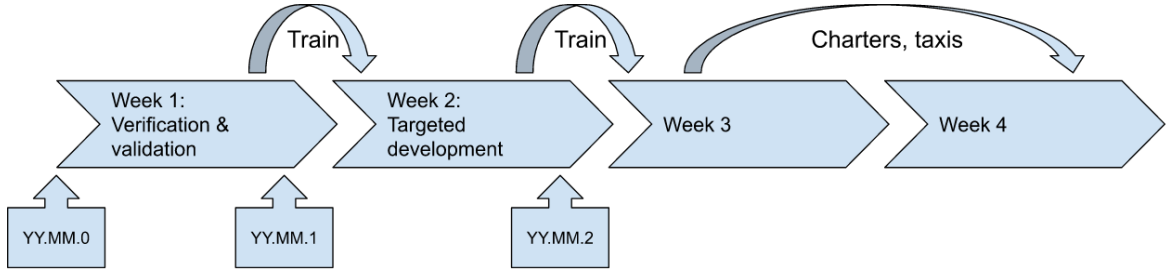
12:10 → 12:30 **Report from Background Task Force**

Speaker: Zhengqiao Zhang

With focus on the on-going simulation and analysis effort

SIMULATION EFFORT

- ***This slide is not to spoil the second part of the today agenda !***
- **It is to help focusing on the simulation activity and invite you to engage in this effort so central for ePIC success following the given project timelines**
- **We will learn about**
  - The new structure for the simulation campaign



  - The effort on progressing for well-defined reconstruction tools (as arising from a joint Soft/Comp-Analysis meeting on May 17)
  - The relevant progress in background studies and related availability of background "data"

VISIT at CERN

- **Visit at CERN** (April 24-25) – SP, TC + PM Meetings @ CERN

  - Green-light from CERN management to have **ePIC Recognized Expt. Status**, procedure will follow

  - **ALICE-ITS3: <u>main focus of the visit</u>**
    - Basis for a formal agreement CERN-EIC project established
    - Technical collaboration already started

  - **PID R&D Meeting** about ePIC-LHC synergies in this detector sector

NEWS from CC

- May 2nd–**Results of CC vote**:
  - Endorsed motion to initiate change control for pfRICH, Imaging EMCal
    - Actions towards change control process started
  - Working group structure endorsed, Convenor nominations endorsed

- **NEW:** preparing the elections to form a first set of standing Committees
  - Details in the next slide by the CC-chair

Collaboration Council Committees

Reminder and request from the Collaboration Council Chair:

> *The standing Collaboration Council Committees have essential roles in how we collaborate, share the work, and recognize accomplishments.*
>
> *Their chair-lines are elected by the Collaboration Council following nominations. These nominations are collaboration-wide.*
>
> *Please actively support the Election Committee in their role in ensuring fairness and timeliness in these important elections.*

The Election Committee has requested nominations for chair-line candidates of the:

- DEI committee
- Membership committee
- Conference and Talks committee
- Publications committee

Nominations, including self-nominations, can be submitted via:
https://forms.gle/CcXMe22c5BLyMVLk6

Self-organized Early Career effort

Early career members as defined in ePIC Charter:
"Early career members of the Collaboration comprise all graduate students and those with no more than five years post PhD experience (not counting career interruptions)."

More from the Charter:
- Three CC members from the early career group elected by their peers, at least one of them being a graduate student ← *ongoing effort*
- One EB member elected from the early career group

Self-organized Early Career effort

Kick-off initiative on March 6:

- a **survey** by questionnaire distributed y the CC-chair with the goal to **self-identify early career members** within ePIC → **early career e-mail list**

Self-organized election of the three CC members from the early career group

- "The volunteer ePIC early-career election team":
  - Derek Anderson
  - Alex Jentsch
  - Tyler Kutz
- **Nomination process** : May 5-19

Self-organized Early Career effort

- **Current step**:
  - Collecting the statements of the nominees and make them public

- Then, **election** step
  - ranked-choice voting
  - The early-career colleagues should be enrolled (registered in the dedicated e-mail list) to receive a ballot
  - e-mail list: https://lists.bnl.gov/mailman/listinfo/eic-projdet-earlycareer-l
  - Mattermost channel: https://eic.cloud.mattermost.com/main/channels/early-career
  - Institute Representative, please, invite your early-career collaborators to subscribe the e-mail list

Change Control Process

- **Imaging EMCal**
  - Regular meetings with PM and Imaging EMCalgroup
  - Working to integrate cost and schedule into P6 (S. Bazilevsky)
  - Focus on CD-3A long lead, cost, design and construction times
  - Ongoing work to optimize/integrate Imaging EMCal design
    - An in-person ePIC Barrel Imaging Calorimeter workshop at Argonne is being organized for June
  - *Work required before documentation for change control can be prepared*

- **pfRICH**
  - Working to integrate cost and schedule into P6 (B. Zihlmann)
  - Preparing documentation for change control process
  - More straightforward case for change control, *plan to go first*

ePIC is in full swing !

EPIC

May 2023

Mon	Tue	Wed	Thu	Fri
1 14:00 [closed meeting] convener chats 14:00 Software & Computing Coordination Week 18	2 08:00 Low-Q2 Tagger weekly meeting 09:00 Detector 1 TOF-PID WG Weekly Meeting 09:00 Barrel ECal Meeting 13:00 eA Study Group Meeting	3 08:00 dRICH Meeting - Readout Electronics 11:00 ePIC Software & Computing Weekly Meeting 12:30 EPIC calorimetry bi-weekly meeting	4 09:00 EPIC DAQ WG meeting 10:00 ePIC Track reconstruction meeting 10:30 dRICH Simulation Meeting - Simulation chain and resoluti 14:00 Production WG Meeting 15:00 ePIC Backward RICH meeting	5 08:30 hpDIRC DSSC Meeting 13:00 Coordinator Meeting
8 08:00 HRC weekly meeting 09:00 TIC meeting 12:00 Inclusive physics bi-weekly meeting	9 08:00 Low-Q2 Tagger weekly meeting 09:00 EPIC Far-Forward Weekly Meeting 09:00 Detector 1 TOF-PID WG Weekly Meeting 09:00 Barrel ECal Meeting +3 more	10 08:00 dRICH Meeting - Mechanics and Mirrors 12:00 Jets and HF Working Group Meeting	11 09:00 EPIC Electronics & DAQ WG meeting 10:00 ePIC Track reconstruction meeting 10:00 dRICH Meeting - Shaping and IRT 11:00 ePIC Tracking Working Group Meeting +3 more	12 08:30 Inaugural Meeting 13:00 Coordinator Meeting
15 09:00 TIC meeting 12:00 Exclusive, Diffractive, & Tagging Meeting 14:00 Software & Computing Coordination Week 20	16 08:00 Low-Q2 Tagger weekly meeting 09:00 Barrel ECal Meeting 10:00 Far Backward 12:00 EIC Project - ePIC Leadership Meeting +3 more	17 08:00 dRICH Meeting - Radiators and Prototype 11:00 ePIC Software, Computing and Physics Discussion 12:30 EPIC calorimetry bi-weekly meeting 14:00 ePIC Sc. Fibers procurement	18 09:00 EPIC Electronics & DAQ WG meeting 10:00 ePIC Track reconstruction meeting 10:00 dRICH Meeting - Geometry 12:30 ePIC Backward RICH meeting 14:00 Production WG Meeting	19 08:30 hpDIRC DSSC Meeting 13:00 Coordinator Meeting
22 08:00 HRC weekly 09:00 TIC meeting	23 09:00 Detector 1 TOF-PID WG Weekly Meeting 09:00 Kick-off Far Forward/Far Backward (Cross-Cutting WG) m 09:00 Barrel ECal Meeting 10:00 PairSpect weekly meeting +5 more	24 08:00 dRICH Meeting - Photo-sensors 12:00 Jets and HF Working Group Meeting 12:30 Joint LFHCal & Insert meeting	25 09:00 Web Presence Group 10:00 ePIC Track reconstruction meeting 11:00 ePIC Tracking Working Group Meeting 14:00 Production WG Meeting +2 more	26 08:30 Joint PID Software: Common algorithms, data structures 10:30 ePIC General Meeting 13:00 Coordinator Meeting
29 12:00 Inclusive physics bi-weekly meeting	30 08:00 Low-Q2 Tagger weekly meeting 09:00 Detector 1 TOF-PID WG Weekly Meeting 09:00 Barrel ECal Meeting 10:00 PairSpect weekly meeting +2 more	31 08:00 dRICH Meeting - Geometry and Simulations	1 10:00 ePIC Track reconstruction meeting	2 13:00 Coordinator Meeting
5 09:00 TIC meeting 12:00 Exclusive, Diffractive, & Tagging Meeting	6 08:00 Low-Q2 Tagger weekly meeting 12:00 EW&BSM - WG meeting 13:00 eA Study Group Meeting	7	8 10:00 ePIC Track reconstruction meeting 19:00 ePIC General Meeting	9 13:00 Coordinator Meeting

Major ePIC standing meetings

- **General meetings**, bi-weekly
  - Alternating the time
  - Friday Mornings: 10:30AM ET (same as current), as it is today
  - Thursday Evenings: 7PM ET (2.5 hours earlier), please take note of the new time

- **CC meetings**
  - On general meeting off-weeks
  - Presently, approximately every months
  - The participation of the institutional representatives is mandatory
  - CC meetings are open to the whole Collaboration, a part closed sessions, when needed

- **TIC meetings**, weekly
  - Monday at 9:00AM ET
  - DSC representation is mandatory!
  - TIC meetings are open to the whole Collaboration

- **Software and Computing Meetings** , weekly
  - Wednesdays 11:00 AM ET
  - Main meeting for ePIC Software and Computing

- **Coordinator meetings**, weekly
  - Coordinators and SP-office only

Organization resources, what is new

In wiki

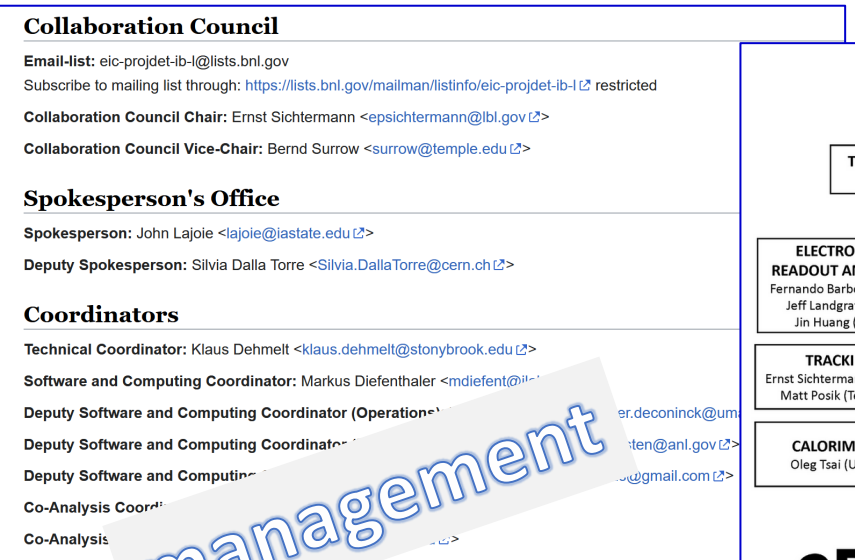
- **A page dedicated to conference talks**

(https://wiki.bnl.gov/EPIC/index.php?title=Conferences)

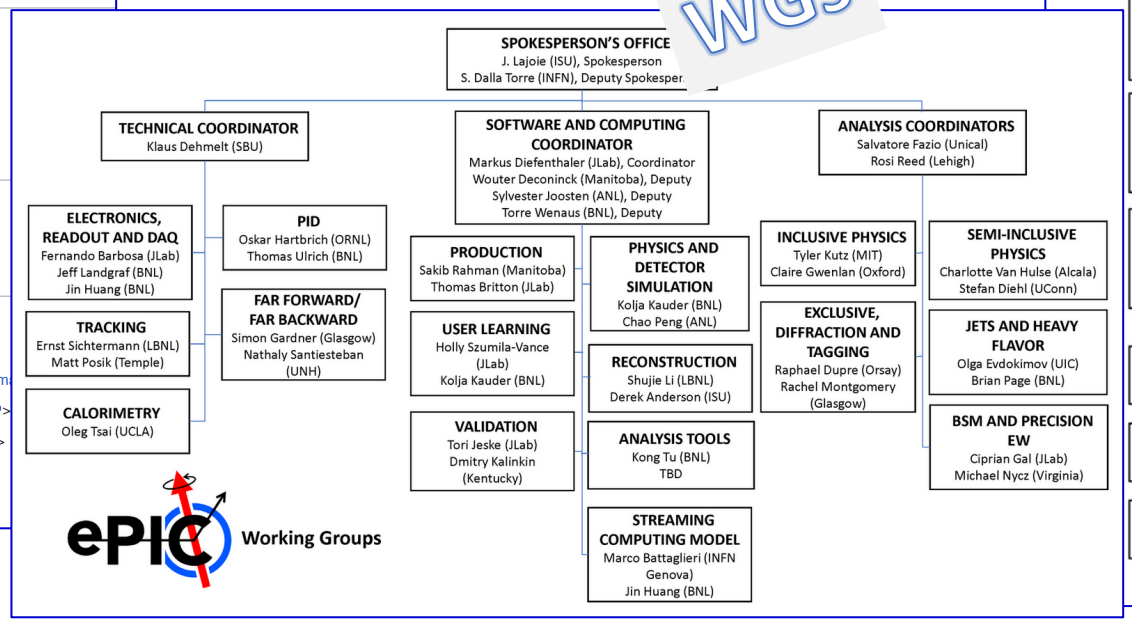
- **Updated information about the collaboration structure**

(https://wiki.bnl.gov/EPIC/index.php?title=Collaboration)

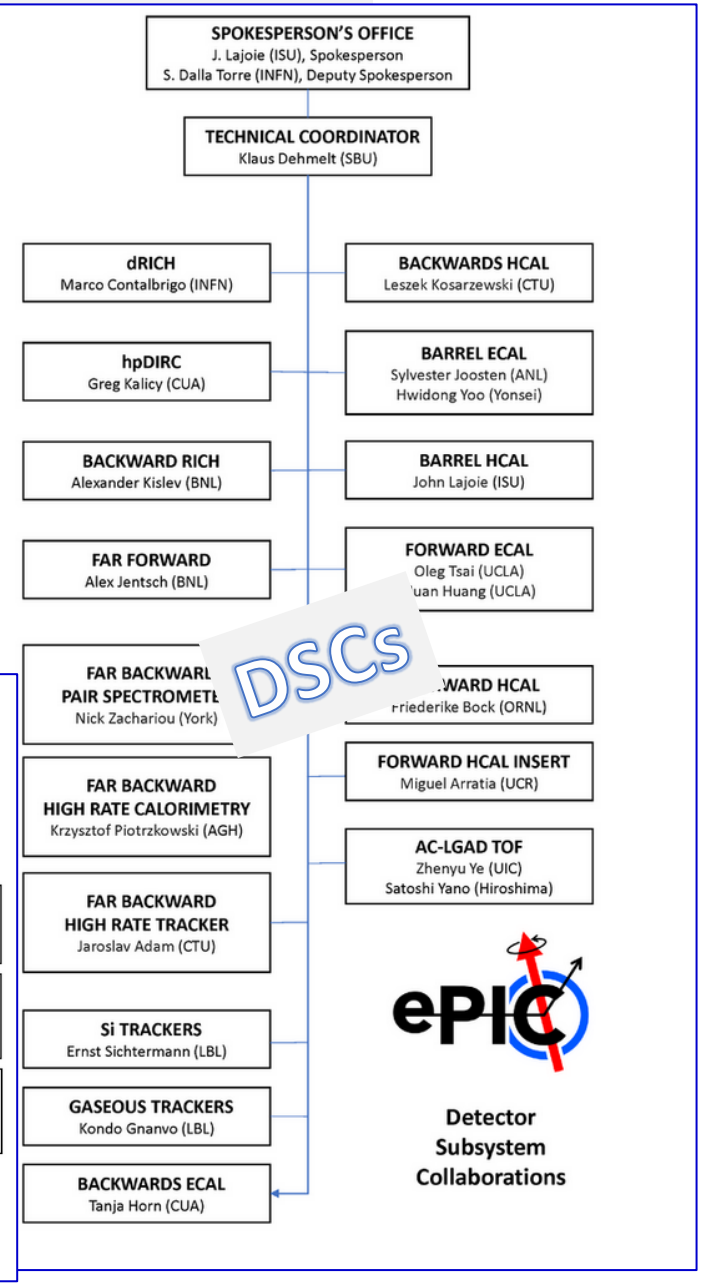
conferences



management



WGs



DSCs

Organization resources, what is new

- **With ePIC INDICO category (https://indico.bnl.gov/category/402/):**
  - **New subcategories for TIC, CC WGs and DSCs**

- **New mailing lists (lists.bnl.gov), for TIC and PWG conveners**

… and do not forget our MATTERMOST channels:

Organization resources, what is new

An effort to start an ePIC web presense:

- The only ePIC web presence so far: our precious **wiki page**
- There is clear need for more, starting from some key basic ingredients:
  - **An initial website, a phone book, document management**

SP-office plan:

- form a **small task force to initiate implementing the basic element** with an effort on a **short-time scale** and **articulate the problems** that need to be faced as part of a **longer-term strategy**

- then, **building-up on the initial effort by a larger body/committee at the collaboration level**
  - Of course, consulting the collaboration actively solicitating the collaboration input

Organization resources, what is new

An effort to start an ePIC web presence, first step:

Four main efforts as follows:

1. **Technical support**: Implementation of the technical solutions and interface with the host labs, in particular with BNL - **Maxim Potekhin**
2. **Website design**: The overall structure and navigation within the website and integration with external resources - **Thomas Ullrich**
3. **Document management**: An initial solution to archive talks, images, technical notes, etc. in a way that they can be easily accessed by the collaboration - **Peter Steinerg**
4. **User-centered design**: Ensure that web resources are properly organized and can be navigated in a way that is useful and straightforward, both to existing and new collaborators - **Markus Diefenthaler**

Organization resources, what is new

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4. **User-centere…** …perly organized and can be navigated in a way that is us… …xisting and new collaborators - **Markus Diefenthaler**

Thank you, Maxim, Thomas, Peter and Markus for your extra effort to realize an initial ePIC presence on web !