



ATHENA monthly meeting, June 3rd, 2021

AGENDA

- News
- Update on the Charter
- Towards final detector configuration/update since the last meeting
(each detector WG)
- Software news including status of introducing in the simulation the services of the detectors
- Proposal Committee



ATHENA monthly meeting, June 3rd, 2021

Our pre-collaboration has a name!

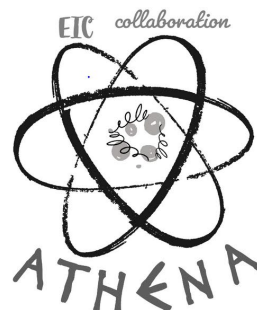
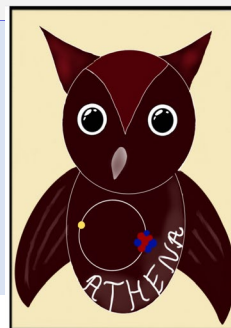
- As communicated to you on May 18th via e-mail, the winner of the competition for the collaboration name is:

ATHENA

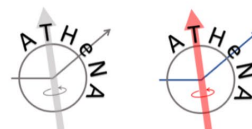
A Totally Hermetic Electron-Nucleus Apparatus

- The competition for the ATHENA logo is ongoing

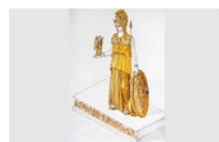
Proposed ATHENA LOGOs



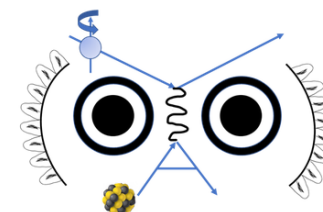
Entry 17



Entry 18 (version a and b)



Entry 23





ATHENA monthly meeting, June 3rd, 2021

ATHENA web-page (<https://sites.temple.edu/eicatip6/>) enriched:

- **ATHENA events in the calendar with INDICO and ZOOM coordinates**
- **Recent updated NEWS**
 - Here you can find the gallery of proposed graphics for the **ATHENA logo**
- **WG information**
 - Conveners
 - E-mail list (subscribe to the ones relevant for you !)
- **List of institutes in the pre-collaboration**
- **Another channel of connection: join ATHENA on Slack**

https://join.slack.com/t/eicip6/shared_invite/zt-nsocbr8y-~lrhqi8We6FjV1CmnmVVTQ

Structuring the collaboration

- **On long-term (a few weeks): the **charter** is being drafted** (*dedicated report later today*)
- **To make possible the present activity (time is short !):**
 - **A **Coordination Committee**** (managerial matter while waiting for the charter and the formal ATHENA governance):
 - Silvia Dalla Torre, Abhay Deshpande, Olga Evdokimov, Yulia Furletova, Barbara Jacak, Alexander Kiselev, Franck Sabatie, Bernd Surrow
 - **A **PROPOSAL COMMITTEE**** for costing, detector design and integration, drafting (*dedicated report later today*)
 - The **Working Groups** and the team of their **Conveners**

WGs and Conveners

Software & Computing Working Group

CONVENERS: Sylvester Joosten, Dmitry Romanov, Whitney Armstrong, Andrea Bressan, Wouter Deconinck

PHYSICS

- **Inclusive Working Group**

CONVENERS: Barak Schmookler, Qinghua Xu, Paul Newman

- **Semi-Inclusive Working Group**

CONVENERS: Marco Radici, Anselm Vossen

- **Jets/HF/EW-BSM Working Group**

CONVENERS: Ernst Sichtermann, Stephen Sekula, Brian Page, Miguel Arratia

- **Exclusive/Tagging Working Group**

CONVENERS: Salvatore Fazio, Spencer Klein, Daria Sokhan

DETECTORS

- **Tracking Working Group**

CONVENERS: Laura Gonella, Domenico Elia, Francesco Bossu, Matt Posik

- **PID Working Group**

CONVENERS: Tom Hemmick, Roberto Preghenella, Franck Guerts

- **Calorimetry Working Group**

CONVENERS: Oleg Tsai, Paul Reimer, Vladimir Berdnikov

- **Far Forward Working Group**

CONVENERS: Alexander Jentsch, John Arrington

- **Far-Backward Working Group**

CONVENERS: Krzysztof Piotrkowski, Jaroslaw Adam

- **Polarimetry Working Group**

CONVENERS: Ciprian Gal, Oleg Eyser

- **DAQ Working Group**

CONVENERS: Alexandre Camsonne, Jeffery Landgraf

ATHENA monthly meeting, June 3rd, 2021

Collaboration meetings

□ Regular general EIC@IP6 meetings

- **Bi-weekly meetings:** 11:00AM (EDT) - 02:00PM (EDT) for May 13 and May 27
- **Monthly meetings:** 08:00 PM (EDT) - 11:00 PM (EDT) for May 6 and June 3
- **Permanent ZOOM links:**

Thursday - US/EU - 11:00AM (EDT) - 02:00PM (EDT) / Bi-weekly

<https://temple.zoom.us/j/98280886660?pwd=Mk9hMUU1TUdITysvYkVLNTRjbUVYQT09>

Password: eic@ip6

Thursday - US/Asia - 08:00PM (EDT) - 11:00PM (EDT) / Monthly

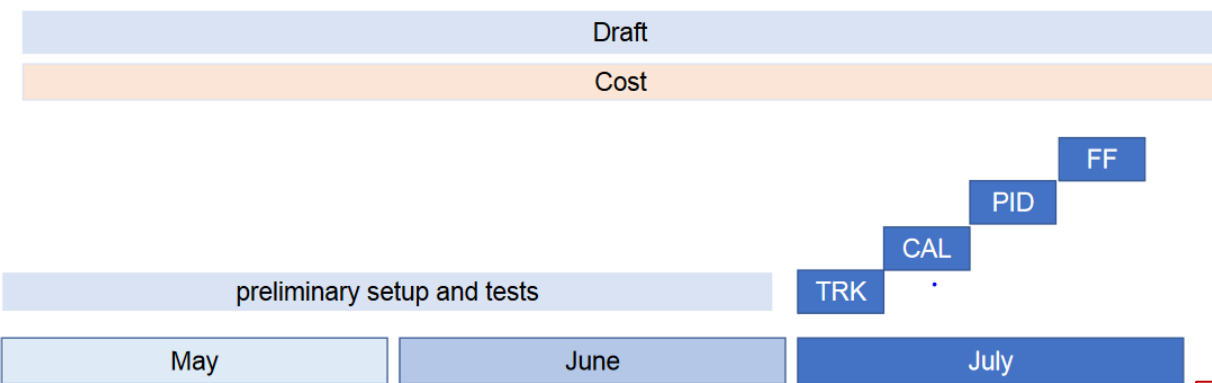
<https://temple.zoom.us/j/96313723031?pwd=UEpuSHVWQ3N3aVpvZlIGajMvSVF0Zz09>

Password: eic@ip6

- The **Organizing Committee is sharing the responsibility** of organizing weekly organizing meetings, bi-weekly meeting etc. on a rotating basis!

ATHENA monthly meeting, June 3rd, 2021

Timeline overview

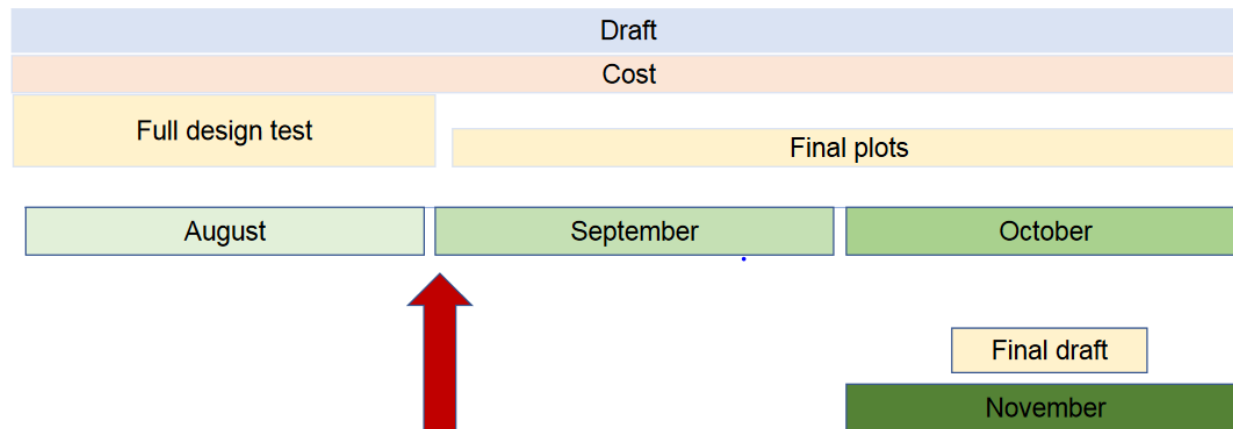


8 May 2021

Executive board formed

Implementation of final designs

Timeline overview



Final design completed

8 May 2021

ATHENA monthly meeting, June 3rd, 2021

Other main events

- **WG Conveners & Coordination Committee**
 - **May 11th, May 21st, June 4th**
- **Joint EIC Project Management Team & EIC proposal coordination Team meeting (monthly)**
 - **May 6th:**
 - Project report
 - description and discussion about software tools for detector costing
 - **June 3rd :**
 - IR progress → start a series of dedicated meeting
- **Shared integration model software, tool to support detector integration**
 - **Dedicated meeting on May 17th**

ATHENA monthly meeting, June 3rd, 2021

charge to WGs

□ Highlights of charge elements:

- **Detector WG's:** Technology choices / Estimate of services, support + active materials / Implementation into global experimental model / Simulation of subsystem performance in the global experiment / Costing of each subsystem
- **Physics Validation WG's:** Identify key observables described in YR / 2-3 plots which will illustrate the ability of EIC@IP6 to address NAS report and YR / Additional physics performance plots that would give a competitive advantage for the proposal?
- **Software WG:** Full detector assembly / Assist detector and physics WG's to perform simulation and detector integration / Complete and improve reconstruction software