

Welcome and News

ATHENA Collaboration meeting
February 24th , 2022

Silvia Dalla Torre



Today Agenda

- 11:00** → 11:10 **Welcome & News**
Speaker: Silvia Dalla Torre (INFN, Trieste)
- 11:10** → 11:20 **ATHENA @ conferences**
Speakers: Franck Sabatié (CEA Saclay), Yulia Furletova (Jefferson Lab)
- 11:20** → 11:35 **Steps beyond DPAP: Project updates**
Speakers: Dr E. C. Aschenauer (BNL), James Yeck (University of Wisconsin-Madison and Brookhaven National Laboratory), Rolf Ent (Jefferson Lab)
- 11:35** → 11:50 **Steps beyond DPAP: EICUG activities**
Speaker: Renee Fatemi (University of Kentucky)
- 11:50** → 12:00 **Steps beyond DPAP: IB update**
Speaker: Ernst Sichtermann (Lawrence Berkeley National Laboratory)
- 12:00** → 12:20 **Software news and plans**
Speakers: Sylvester Joosten (Argonne National Laboratory), Sylvester Joosten (Argonne National Laboratory)
- 12:20** → 12:50 **Collaboration discussion/ open mic: proposal development – physics**
- 12:50** → 13:00 **AOB**

ATHENA and Conferences

News from EIC world

IB news

Focus on ATHENA software approach

Direct contributions from everyone in the ATHENA Collaboration; today: focus on physics

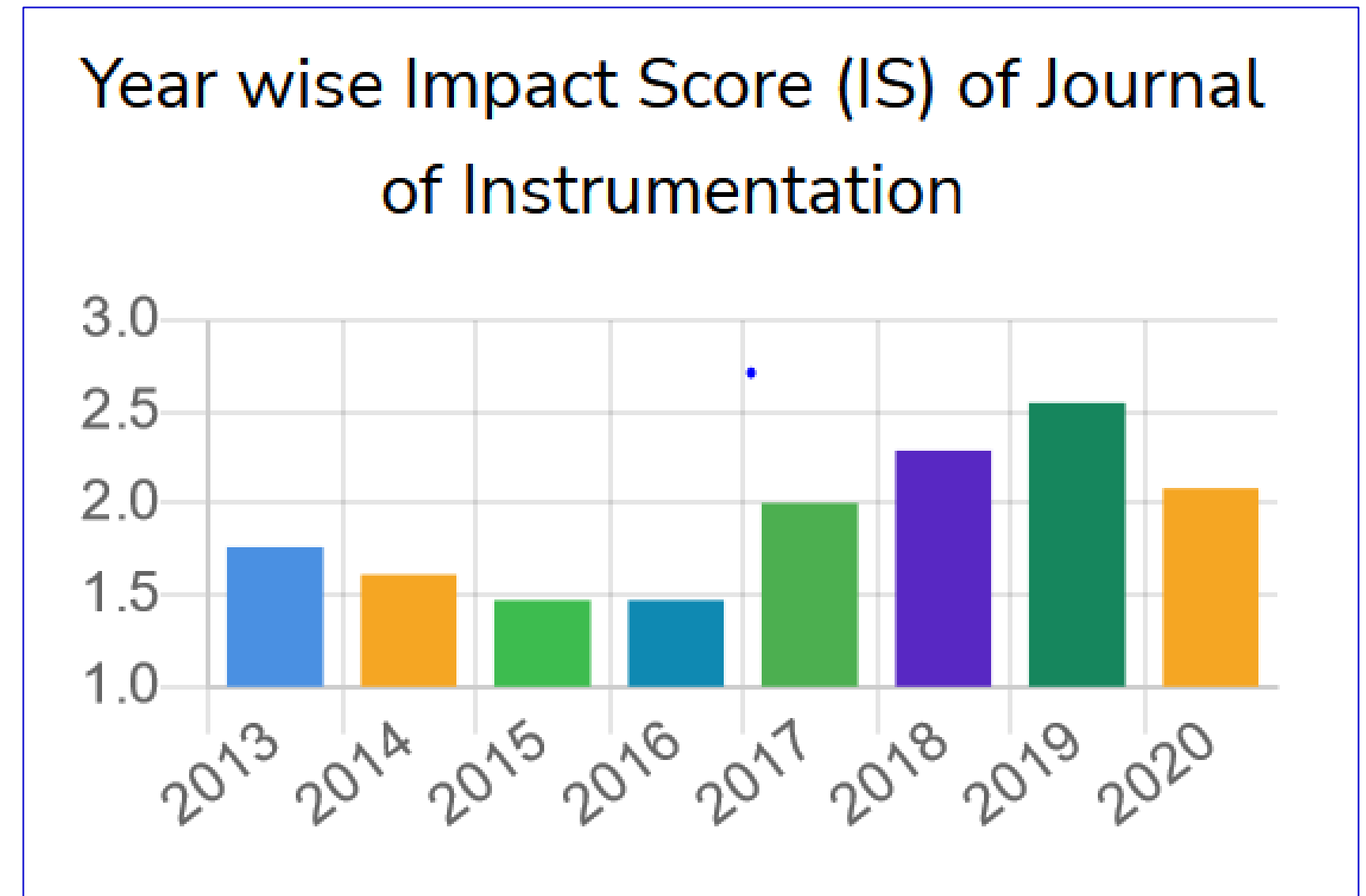
The future of our Proposal (as scientific document), an update

- **3 publication paths**, which will go-on in parallel
 1. The **project** will make the proposals public after March 1st
 - ⊙ In the form they have been submitted after stripping out the costing information
 2. **Printing** a limited (Athena has not yet a budget !) number of copies
 - ⊙ Polishing the text well advanced, over by this week
 - ⊙ Reminder: Printing possible due to the contributions of
 - CFNS (thanks to Abhay Despande)
 - Saclay (thanks to Franck Sabatie)
 3. Extracting the scientific content (detector and performance) for **publication in an instrumentation journal: JINST**
 - ⊙ Submission ~ mid March

Publishing ATHENA Proposal in a JINST



- JINST
(Journal of INSTRumentation)
 - For comparison, current NIMA IS: 1.82



- The Journal has been contacted and it is ready to publish a large-size manuscript

Building-up our future

- **Present status:**
 - Anticipating the close-out of the DPAP process
 - ⦿ Date and format still to be communicated
 - **the conclusion of the “Call for Proposal” may not coincide with the DPAP close-out**
 - ⦿ Outcome of the process by the Project Management may come at a later time

Building-up our future, cont.



- The meaning of the process and its outcome:
 - We are fully **confident in the DPAP scientific judgement**
 - ⦿ We strongly believe that, even if ATHENA as full detector is not selected as the path to follow, all what is scientifically valid in our proposal will survive
 - Therefore, we will assume the DPAP conclusions as the guidelines to be followed together with the whole EIC community in an enlarged collaboration
 - In this spirit:
 - ⦿ Meeting with representatives of the 3 proposals now weekly during the EICUG-SC meeting (reference: Renee's talk)
 - ⦿ Bilateral communications with the representatives of other collaborations

Building-up our future, cont.



- The **activity during the transition phase** from “proposal period” to “detector design for pre-TDR and, later, TDR”
 - Document the work done as starting point for next steps
 - Continue the R&D: this is at the basis of the advancement in detector design
 - Progress in physics studies: they will be in any case critical for the next steps

ATHENA, Scientific Intellectual Property

- **ATHENA is a Collaboration** → our common scientific production is property of the whole Collaboration
 - Therefore, **talks** about ATHENA as a whole, or about ATHENA subsystems, or about physics studies using ATHENA detector, or about software developments realized in the context of ATHENA activities, have to be given “on behalf of the ATHENA Collaboration”, after appropriate greenlight and filtering
 - ⦿ reference to the dedicated report, today
- Any other public distribution of **information related to ATHENA, by the web or other media**, has to follow the same rules:
 - “on behalf of the ATHENA Collaboration”
 - **appropriate greenlight and filtering**