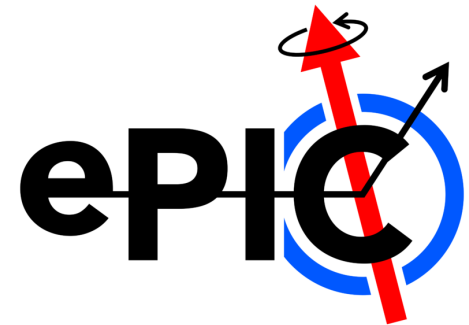


# Analysis Coordination Meeting

## June 2<sup>nd</sup> 2023

Rosi Reed – Lehigh University

Salvatore Fazio – Unical



# SCC-AC Meeting – May 17<sup>th</sup>

- Indico at: <https://indico.bnl.gov/event/19473/>
- Live notes at:  
<https://docs.google.com/document/d/1y2zb3x7rUp9jO63uE5PBMpfs-1dAGWyn-77UbUQ0VP8/edit#heading=h.xtwhflkr3s2x>
- Identified 4 priorities:
  - **Electron Finder**: Developing an efficient and accurate algorithm for identifying electrons and identifying the scattered electron of the DIS process
  - **Vertexing and PID**: Enhancing the vertexing capabilities and particle identification techniques to study heavy flavor physics
  - **Particle Flow**: Improving the jet reconstruction using particle flow information
  - **Low-Q<sup>2</sup>**: Integration of the low-Q<sup>2</sup> tagger into the reconstruction framework for precise measurements of photo production and vector mesons

# SCC-AC Meeting – May 17<sup>th</sup>

- Point of Contacts for each task:
- **Electron Finder**: Daniel Brandenburg (brandenburg.89@osu.edu)
- **Vertexing and PID**: Shujie Li (shujieli@lbl.gov)
- **Particle Flow**: Derek Anderson (dmawxc@iastate.edu)
- **Low-Q<sup>2</sup>**: Simon Gardner (simon.gardner@glasgow.ac.uk)
- Contact the POC to get involved in activities ASAP!

# PWG Meetings

- All PWGs should have biweekly meetings
  - Please use the mailing lists to announce meetings and look for contributions!
  - Populate Indico in advance with meeting coordinates
    - <https://indico.bnl.gov/category/402/calendar>
    - All conveners should have access

## EPIC

June 2023

0 long-lasting events not shown Today < >

Mon	Tue	Wed	Thu	Fri	Sat	Sun
29	30	31	1	2	3	4
	<b>09:00</b> EPIC Far-Forward Weekly Meeting <b>09:00</b> Detector 1 TOF-PID WG Weekly Meeting <b>09:00</b> Barrel ECal Meeting <b>10:00</b> DIRC Annual Meeting <a href="#">+5 more</a>	<b>08:00</b> dRICH Meeting - Sensors and Ga	<b>08:00</b> dRICH Meeting - Detector <b>09:00</b> EPIC Electronics & DAQ WG meeting <b>10:00</b> ePIC Track reconstruction meeting	<b>10:10</b> ePIC Analysis Coordination <b>10:30</b> ePIC Simulation and Reconstruct <b>13:00</b> Coordinator Meeting		
			<a href="#">+2 more</a>			
5	6	7	8	9	10	11
<b>09:00</b> TIC meeting - Focus Tracking <b>12:00</b> Exclusive, Diffractive, & Tagging <b>12:00</b> Inclusive physics bi-weekly meeting	<b>08:00</b> dRICH Meeting - Geometry and S <b>08:00</b> Low-Q2 Tagger weekly meeting <b>12:00</b> EW&BSM - WG meeting <b>12:00</b> EIC Project - ePIC Leadership Meeting <a href="#">+2 more</a>	<b>12:00</b> Jets and HF Working Group Meeting	<b>09:00</b> EPIC Electronics & DAQ WG meeting <b>10:00</b> ePIC Track reconstruction meeting <b>14:00</b> Production WG Meeting <b>19:00</b> ePIC General Meeting	<b>10:00</b> Tutorial Series: dRICH Simulation <b>13:00</b> Coordinator Meeting		
12	13	14	15	16	17	18
<b>03:30</b> In-Person Barrel Imaging Calorimeter Meeting <b>09:00</b> TIC meeting	<b>08:00</b> Low-Q2 Tagger weekly meeting <b>12:00</b> EIC Project - ePIC Leadership Meeting <b>13:00</b> eA Study Group Meeting <b>13:00</b> Background Taskforce Meeting		<b>09:00</b> EPIC Electronics & DAQ WG meeting <b>09:30</b> Web Presence Group <b>14:00</b> Production WG Meeting	<b>10:00</b> Tutorial Series: dRICH Simulation		
			AC Meeting June 2			

# Benchmarks

- Inclusive
  - Resolutions (electron, hadronic final state, kinematic variables)
  - Electron purity and efficiency
  - Reduced NC cross sections
  - Double-spin asymmetry  $A_1^p$
- SIDIS
- Jets/HF
- Exclusive + Diffraction + Tagging
- BSM + precision EW
- Benchmark analysis will be run with monthly production
  - Requires personpower as well!

# Meeting Times

- Inclusive
  - Mondays (biweekly) at 12pm EDT
  - Next meeting on Monday June 5, 2023
- SIDIS
- Jets/HF
- Exclusive + Diffraction + Tagging
- BSM + precision EW