



# Updates from ACs

Rosi Reed (Lehigh) - Salvatore Fazio (Calabria)  
Analysis Coordination Meeting – February 18<sup>th</sup>, 2025

## Recap from last time:

- ❖ **Priority 1:** Each PWG picked up a tutorial task – great interaction already started with the User Learning group. **Thank you everyone!**
  - Track progress and get back to this in March
- ❖ **Priority 2:** Great discussion at the joint meeting with S&C
  - **Particle flow algorithms for jet** reconstruction are a priority for this year
    - Requires recruiting additional personnel to aid in their development
  - Separate the **hadron identification** from the task on “*Enhancing the Vertexing and PID Capabilities to Study Heavy Flavor Physics*”
  - Centralized reconstruction of kinematics. Great progress for DIS and SIDIS, exclusive also starting now (Mandelstam  $t$ )

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## ❖ **Priority 5: Develop a results validation scheme for talks/reviews/documentation**

- We need to start a culture of releasing (eventually publishing) our results
- Talks should only contain released results (or label them as “work in progress”)
- Releasing results comes with extra benefits (not just talks):
  - leads to a possible **ePIC publication** of the analysis
  - can be passed to fitters, possibly leading to a **small authors** publication
- **Extra motivation for young analyzers!**
- Releasing and publishing policies are being discussed within ePIC (Jan. Collab. Meeting)
  - they will require approval from PWG conveners
    - which in turn requires a solid and agreed-upon validation scheme



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## ❖ Priority 5: Develop a results validation scheme for talks/reviews/documentation

Kinematic reconstructions	quantity	Reco	Truth	Response (2D)	Purity/bin migration	detector acceptance-only corrected	Unfolding/full correction
(electron, JB, DA, sigma, e-sigma)	Q2	yes	yes	yes	optional	good to have	optional
	x	yes	yes	yes	optional	good to have	optional
	y	yes	yes	yes	optional	good to have	optional
	dQ2/Q2						
	dx/x						
	dy/y						
	e' energy	yes	yes	yes	optional	optional	
	e' theta	yes	yes	yes	optional	optional	
	HFS (E-pz)	yes	yes	yes	optional	optional	
	HFS (pT)	yes	yes	yes	optional	optional	
<b>Event level</b>							
	E <sub>pz</sub> (+HFS)	yes	yes	yes	optional	optional	
	E <sub>tr</sub> for calorimeter	yes	yes	yes	optional	optional	
	Calo clusters	yes	no	no			
<b>Observable of interest</b>							
	e.g., t, etc.	yes	yes	yes	yes	yes	optional
<b>Detector specific variables</b>							
	Depends						
<b>PID quantities:</b>							
	add when it comes						

### Action item:

- Discuss this within your PWG
- Work with your analyzers and PWG members to develop a clear validation scheme
- Post this upfront on the webpage/wiki of your PWG
- The scheme can evolve over time...

# European Strategy document: discussion and planning

Joint ePIC and EICUG document

page limits: ~ 10 pages + references

deadline for final submission: March 31

**See first draft attached to Indico**

# Next Early Science Workshop: planning

Dates to mind:

DIS March 24-28

QM April 6-12

Easter April 17-21

If at SBU, available slots in April:

- April 1-5 or April 21-30