

Updates from ACs

Rosi Reed (Lehigh) - Salvatore Fazio (Calabria)
Analysis Coordination Meeting – January 14th, 2025



- **ePIC Collaboration Meeting** – Physics/analysis related parallel sessions:
 - **Jets and heavy flavor** [Tuesday 21, 9:00am – 1:00pm]
 - **Exclusive, Diffraction and Tagging** [Thu & Fri 23-24, 9:00am – 1:00pm]

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- **EIC Early Science – Finalized plenary session in Frascati: Wed. Jan 22nd, 9AM-1PM**
- **Deliverable:** list of **priority processes** for the early science case
 - 9:00 – 9:10 Intro and setting up the stage (**analysis coordinators**)
 - 9:10 – 9:40 Configuration and Capabilities for Phase-1 EIC (**E. Aschenauer**)
 - 9:40 – 10:10 Theory: TMDs and GPDs with the early data (**A. Bacchetta**)
 - 10:10 – 10:40 Theory: Opportunities for first EIC physics (**P. Zurita**)
 - 10:40 – 11:10 COFFEE BREAK
 - 11:10 – 11:30 SIDIS early science plans (**SIDIS PWG conveners**)
 - 11:30 – 12:50 Jets/HF early science plans (Jets+HF conveners)
 - 11:55 – 12:15 Plans with exclusive and diffractive probes (**Excl+Diff+Tag conveners**)
 - 12:15 – 12:45 **Open Mike (5' flash talks)** – up to 6 contributions! → **please advertise in your PWG!**
 - 12:45 – 1:00 Discussion on Future Deliverables
- **A follow-up workshop in ~March will have projections by all PWGs according to the priority list**



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- **Data Inputs and Requirements for Physics Analysis** – S&C coordinator asked us (ACs) for an input (10') on Jan 21, at the Collab meeting., during the joint session between the ePIC DAQ and Electronics and ePIC Streaming Computing WGs
 - **Data Inputs:** What is needed as input to the analysis (e.g., outputs from current simulations)? E.g. kinematics reconstruction? (Charlotte and Rachel are coordinating efforts for the kinematics of SIDIS and exclusive processes)
 - **Requirements:** Computational needs for analysis. For example, we currently argue that high-precision analyses require high-precision simulations, and our plans assume a factor of 10 more statistics.
- **European Strategy for Particle Physics** (see John next) – The first step is a call for input which is due March 2025.
 - Detector technologies and synergies paper -> Technical coordinators
 - **General paper on scientific synergies with the EIC** → PWG conveners + EICUG (Marco and Daniel) ³