

Highlights of the preTDR Draft Review Process: **Software & Computing**

Thank you very much to **David Abbott**, **Domenico Elias**, and **Peter Jones** for reviewing the report on the "ePIC Streaming Computing Model," a condensed version of which will be used for the TDR.

Consistency

- Ensure consistent usage of acronyms and provide clear initial definitions (e.g., "time frames" vs. "time slices" or "prompt reconstruction" vs. "first-pass reconstruction").

Computing Model

- Establish consistency in defining the roles of Echelon 1 and 2 and their integration from the start for smoother operations and early readiness.
- Develop clearer goals and validation strategies for Echelon 3 and opportunistic resources to maximize their contributions effectively.
- Highlight the potential role of DOE's Integrated Research Infrastructure (IRI) program and High Performance Data Facility project in supporting ePIC's computing and data needs.

Computing Resources

- Address the consequences of ePIC being a compute-intensive experiment.
- Discuss simulation requirements in greater detail, particularly strategies for reducing computing needs, such as embedding simulated events into real data or AI modeling.