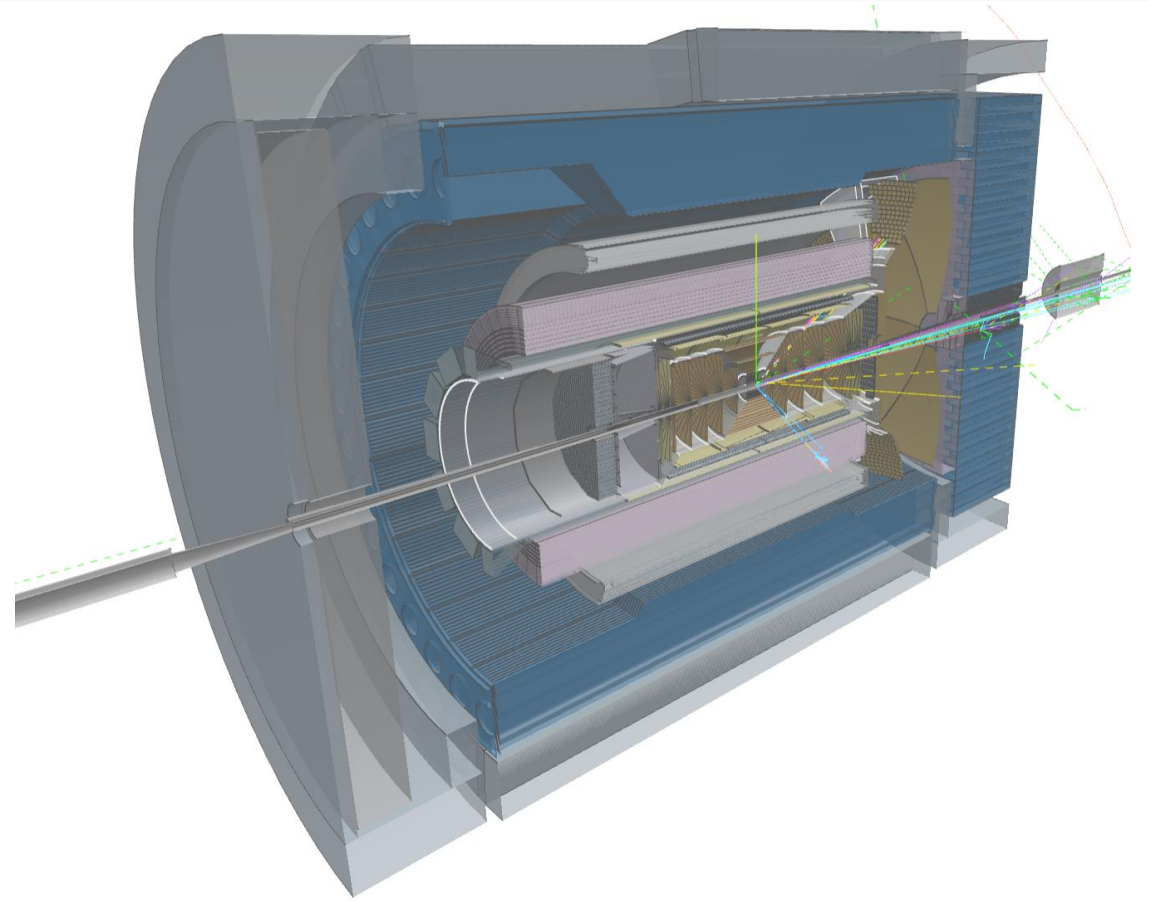
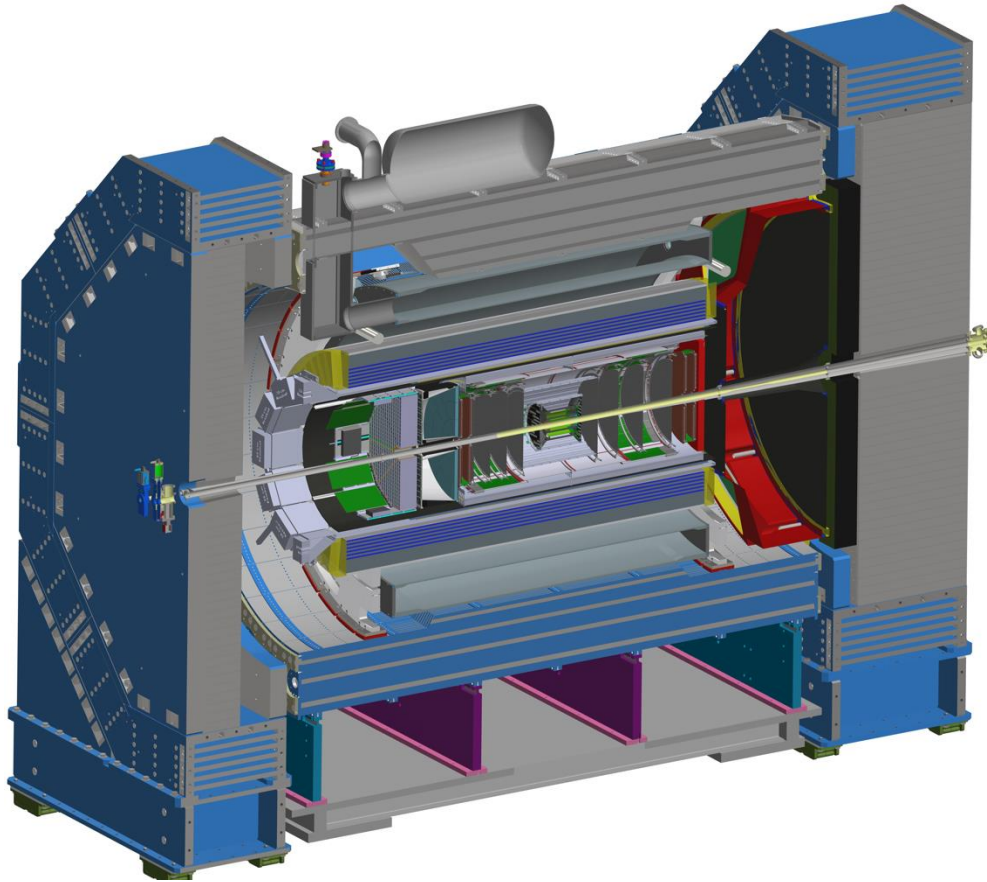


ePIC **Geometry**: Improving the Workflow for the Comparison



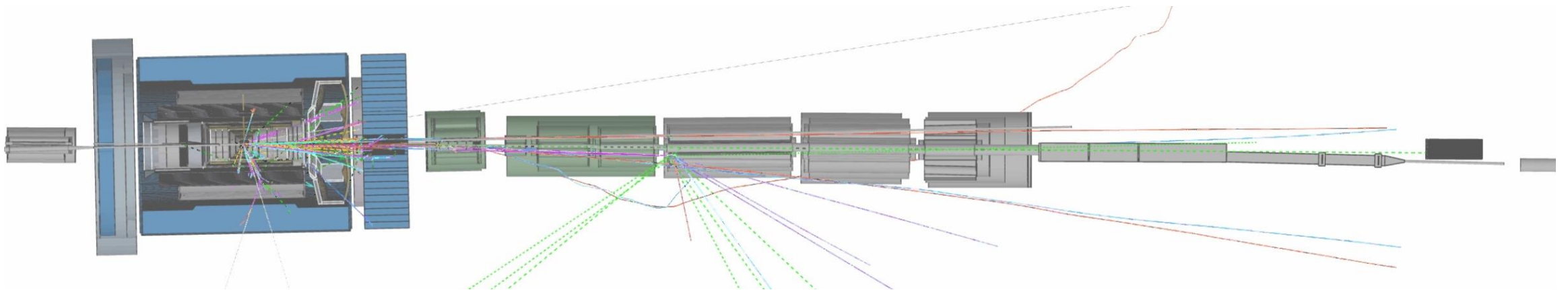
Markus Diefenthaler (Jefferson Lab)

Detector **Design** and Description

Silvia reminded on the **co-design concept** and the role of the need for **high-fidelity simulations**.

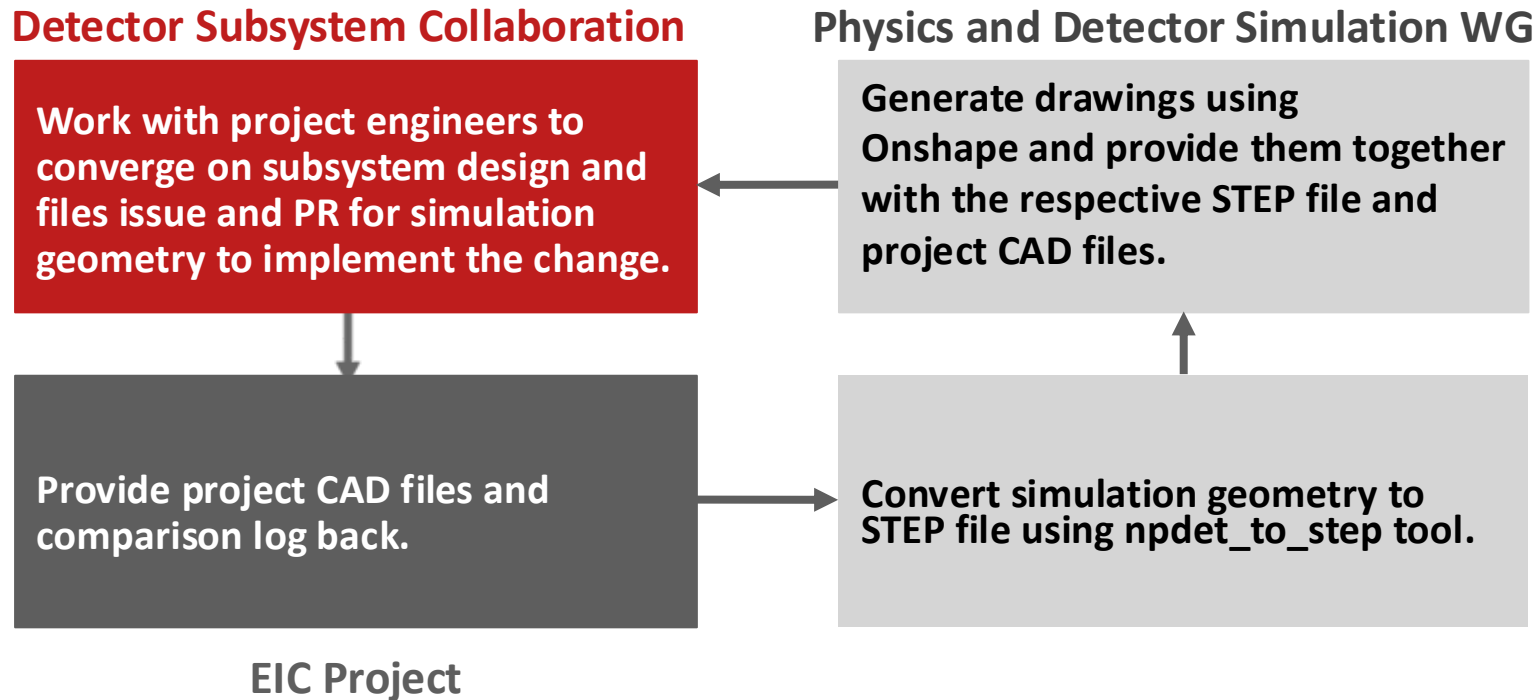
Sakib presented status of **comparison** between the **engineering and simulation designs** (CAD-DD4hep).

We will discuss with you **possible improvements to the workflows**.



Captured from the **ePIC Event Display**

Geometry Validation Workflow and Challenges

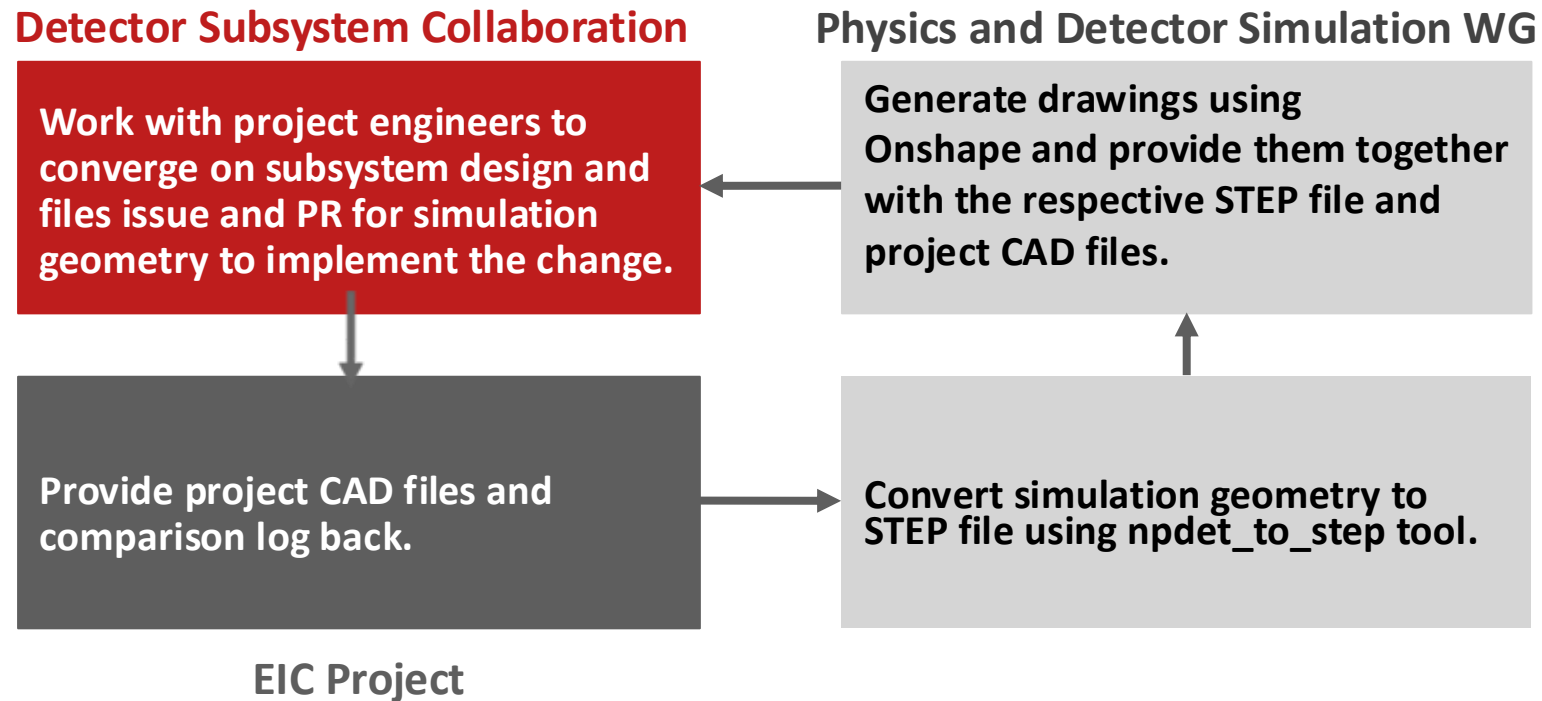


Challenges:

- **Unclear Ownership:** Workflow exists but no formal roles and responsibilities.
- **Unclear Reporting and Tracking** at the collaboration-wide level.

→ **Lack of ownership and visibility slows validation and risks inconsistencies in detector design.**

Geometry Validation Workflow Discussion



Possible Solution:

- **Unclear Roles and Responsibilities:**
 - Which parts of the workflow should DSCs own going forward?
- **Reporting and Tracking:**
 - Should updates to detector geometry also be presented at TIC meetings?
 - Can we define milestones for the comparison with the September envelopes?

Contacts

Coordinators and WG Conveners



Development



Dmitry Kalinkin



Simulation WG: Simon Gardner, Sakib Rahman



Reconstruction WG: Derek Anderson, Chandra Chatterjee, Shujie Li.

Infrastructure



Torre Wenaus

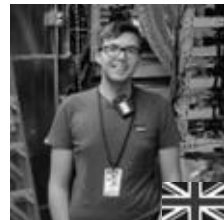
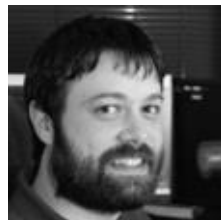


Streaming Computing WG: Marco Battaglieri, Taku Gunji, Jeff Landgraf.

Operations



Holly Szumila-Vance



Production WG: Thomas Britton, Sakib Rahman. User Learning WG: Stephen Kay, Sasha Prozorov. Validation WG: Torri Jeske.