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Detector and event visualization software for CEPC

Detector and event visualization software is essential for modern high-energy physics (HEP) experiment. It plays important role in the whole life circle of any HEP experiment, from detector design, simulation, reconstruction, detector construction and installation, to data quality monitoring, physics data analysis, education and outreach. In this talk, we will discuss two frameworks and their potentials in developing visualization software for CEPC. One is the Phoenix framework, which is based on JavaScript 3D library for web-based event display. The other is based on Unity, a popular industrial platform for game development and immersive experience creation. The applications of both frameworks in HEP experiments will also be introduced.

Significance

References

Experiment context, if any

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