

DIS2023: XXX International Workshop on Deep-Inelastic Scattering and Related Subjects



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Type: **Parallel talk**

Overview of the ePIC Detector

Tuesday, 28 March 2023 09:00 (20 minutes)

The international ePIC collaboration has formed to design and construct the general purpose detector to be ready at the beginning of operation of the Electron-Ion Collider. ePIC will be located at the IP6 interaction region of the RHIC/EIC accelerator. By measuring inclusive and semi-inclusive DIS (where the target is shattered) and exclusive processes (where the target is left intact) in electron-ion collisions with high-luminosity over a large range of parton momentum and spatial resolution, profound mysteries in the fundamental structure of visible matter can be explored with unprecedented precision. The planned measurements demand challenging detector requirements.

The ePIC science and detector will be described and the status and future path summarized.

Participate in poster competition?

Submitted on behalf of a Collaboration?

Primary author: MILNER, Richard (MIT)

Presenter: MILNER, Richard (MIT)

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