



Contribution ID: 253

Type: **Oral**

## MPGD as tracker for EIC

*Wednesday, 8 November 2023 11:00 (15 minutes)*

(on behalf of EIC-eRD108 MPGD consortium)

Excellent tracking over large kinematic acceptance is one of the most important requirement for EIC Physics program. The proposed MPGD trackers in EIC will cover both central and forward rapidity regions to provide additional space point to complement Si hits needed for pattern recognition along with nominal timing resolution for background rejection. This talk will focus on current MPGD configuration in EPIC along with various R&D activities to develop low channel, low radiation length and good spatial resolution MPGD tracker which can be used either as an upgrade for EPIC or as main tracker in possible second detector in EIC.

### Early Career

Yes

**Primary author:** TARAFDAR, Sourav (Vanderbilt University)

**Presenter:** TARAFDAR, Sourav (Vanderbilt University)

**Session Classification:** RDC6

**Track Classification:** RDC Parallel Sessions: RDC6: Gaseous Detectors