



Contribution ID: 176

Type: **Oral**

## **AstroPix: Low Power CMOS Detectors**

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

AstroPix is a high-voltage CMOS monolithic silicon detector that was designed for space-based applications, specifically gamma-ray trackers. It targets low power operation in a relatively low occupancy environment with minimal dead material. These traits are synergistic with an imaging calorimeter as well and AstroPix will be the silicon technology in the Electron Ion Collider barrel electromagnetic calorimeter covering approximately 100 square meters. Characterization and performance results will be shown.

### **Early Career**

Yes

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**Session Classification:** RDC3+4+11

**Track Classification:** RDC Parallel Sessions: RDC3: Solid State Tracking