## 2019 Meeting of the Division of Particles & Fields of the American Physical Society



Contribution ID: 459 Type: Oral Presentation

## **Current Status of the DESI Focal Plane System**

Tuesday 30 July 2019 15:00 (15 minutes)

The Dark Energy Spectroscopic Instrument (DESI) is a Stage IV dark energy experiment under construction to measure the expansion history of the Universe using baryon acoustic oscillations (BAO) and the growth of structure using redshift-space distortions (RSD). With 5000 robotically-actuated fibre positioners, the 5-year redshift survey will map 35 million galaxies and quasars and place new constraints on many cosmological parameters concerning dark energy, modified gravity, inflation, and neutrinos. I will describe and provide a status update on the DESI focal plane system, which has been built at multiple institutions, integrated at LBNL, and is ready for final installation at Kitt Peak National Observatory (KPNO).

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Session Classification: Particle Detectors

Track Classification: Particle Detectors