

Poster: Studying the Role of Magnetic Fields in Star Formation with BLAST-TNG and TolTEC

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Two powerful sub-mm polarimeters will begin science operations by 2019: the next generation Balloon-borne Large Aperture Sub-mm Telescope (BLAST-TNG), and the 3000 pixel TolTEC imaging polarimeter, which is being built for the Large Millimeter Telescope (LMT). In this poster I will describe the instrument parameters, sensitivities, and science capabilities of both polarimeters. BLAST-TNG is scheduled to launch in December 2018 from McMurdo Station, Antarctica and will provide simultaneous polarization observations at 250, 350 and 500 microns with diffraction limited resolution of 25 at 250 microns. In total 25

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