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Simons Observatory LAT status

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The Simons Observatory is a new CMB experiment located in the Atacama desert, in Chile. It is composed of 6 Small Aperture Telescopes (SATs) and a Large Aperture Telescope (LAT). Some of these telescopes, including the LAT, have already seen first light.

The LAT aims to make arcminute-resolution maps of 50% of the sky in a wide frequency range from 30 to 280 GHz, with an unmatched depth for this sky fraction. Its main scientific goals are primary CMB (temperature and polarization), CMB lensing, and the Sunyaev-Zel'dovich effect, among many others.

In this talk, we will present a status of the LAT, describing the current state of the experiment and planned next steps. We will also show some results of the Initial Science Observations, demonstrating the current performance of the instrument.

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Classification de Session: Tuesday Afternoon