LIM25 - Annecy



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The Tomographic Ionised-carbon Mapping Experiment (TIME): 2025 status update

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TIME is a 200-300 GHz grating analogue spectrometer with a TES focal plane, operating from the Arizona Radio Observatory on Kitt Peak, Arizona. The degree-wide linear field of view, spanned by 16 dual-polarisation feeds with instantaneous spectrometry, makes TIME an excellent pathfinder for mm-wave line-intensity mapping. This talk will provide a general status update on how we continue to meet challenges in instrumentation and analysis, as we target an operations restart in winter 2025-26. The TIME team continues to view the experiment as a key testing ground for techniques to characterise and remove hyperspectral correlated noise and systematics, in a way that will interact closely with other LIM experiments, including some with direct personnel overlap (COMAP, CCAT/EoR-Spec).

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