

MULTIplexed Survey Telescope (MUST): an overview and current status

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While the current extragalactic spectroscopic surveys have accumulated millions of spectra of galaxies, more data are required for significant advancements in our understanding of the Universe and fundamental physical laws. To this end, the MULTIplexed Survey Telescope (MUST) is conceived by Tsinghua University to achieve this ambitious goal. Located at the Saishiteng Mountain, Qinghai Province of Northwest China, MUST will survey the northern sky. With a 6.5m diameter primary mirror and ~20,000 optical fibers on the focal plane, MUST will carry out cutting-edge wide-field spectroscopic surveys with unprecedented efficiency. It aims to pursue a wide range of studies, including but not restricted to the large-scale structure of the Universe, the nature of dark energy, the distribution of dark matter, and the formation and evolution of galaxies.

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