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Large-Sized Telescopes: progress in construction and first scientific results

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Abstract: The Large-Sized Telescopes (LSTs) with mirror diameters of 23 m are the largest type of telescopes to be used in the future Cherenkov Telescope Array Observatory. Four of such telescopes are planned in the Northern (La Palma, Spain) and two in the Southern (Paranal, Chile) sites. The first telescope, LST-1, has been inaugurated in October 2018 in Observatorio Roque de los Muchachos, La Palma, Canary Islands, Spain and since then is taking commissioning and early science data. Three more telescopes are currently under construction in the same site. I will report on the progress of the project and on the first scientific results obtained with LST-1.

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