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The Einstein Probe Mission

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Einstein Probe (EP) is an upcoming space mission dedicated to the detection and characterization of high-energy transients. It will carry one wide-field lobster-eye X-ray telescope to monitor the soft X-ray sky in 0.5-4 keV with a 3600 square-degree FoV, and a narrow-field X-ray telescope in 0.3-10 keV for deep follow-up observations and precise source locating. Transient alerts can be issued quickly to trigger follow-up observations at multi-wavelengths. Aiming for launch by the end of 2023, EP is a mission of the Chinese Academy of Sciences with the participation of ESA and MPE. This talk will introduce the latest status of the EP mission, and present the prospects of EP in the high-energy transient and multi-messenger astrophysics. Recent results from the EP-WXT pathfinder (also known as LEIA) launched in July 2022 will also be presented.

Summary

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