

Abstract Submitted
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The Gravitational Universe - ESA's L3 mission GUIDO MUELLER, Univ of Florida, MASAKI ANDO¹, University of Tokyo, PIERRE BINETRUY, APC - Paris, PHILIPPE BOUYER, LP2N Bordeaux, LUIGI CACCIAPUOTI, ESA, MIKE CRUISE, University of Birmingham, FABIO FAVATA, MARTIN GEHLER, ESA, REINHARD GENZEL, MPE Garching, OLIVER JENNRICH, ESA, MARK KASEVICH, Stanford University, BILL KLIPSTEIN, Jet Propulsion Laboratory, MICHAEL PERRYMAN, University College Dublin, FREDERIC SAFA, ESA, BERNARD SCHUTZ, AEI Golm, ROBIN STEBBINS, Goddard Space Flight Center, STEFANO VITALE, University of Trento — Following the advice of ESA's Senior Survey Committee (SSC) the Science Programme Committee (SPC) decided in November 2013 to select the science theme “The Gravitational Universe” for their L3 mission. The Director of Science and Robotic Exploration (D/SRE) has established a Gravitational Observatory Advisory Team (GOAT) to advise on the scientific and technological approaches for a gravitational wave observatory with a planned launch date in 2034. Our team is comprised of scientists from Europe and the US as well as scientists and engineers from ESA and observers from NASA and JAXA. We meet about every ten weeks, evaluate the technical readiness of all necessary technologies, study the science impact of different mission designs, and will advise ESA on the required future technology development. We will report on our progress and plans forward to a future space-based gravitational-wave observatory.

¹For JAXA

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