

# Probing Dark Energy with Gravitational Wave Standard Sirens in the HEP Experimental Cosmic Frontier

GW standard sirens will become a competitive and complementary cosmological probe **by 2030** if a southern hemisphere 6m or larger fiber-based spectroscope has a **dedicated GW follow-up program** throughout the next decade

Informed and motivated by DECAM GW follow-up observations during O3 by the Dark Energy Survey Gravitational Waves (DESGW) project

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