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Deep Einstein@Home all-sky search for continuous gravitational waves in LIGO O3a public data

Tuesday, 11 July 2023 12:00 (20 minutes)

We present the results of the volunteer computing project Einstein@Home all-sky search for continuous gravitational waves in the LIGO O3 public data. This is the most sensitive search to date for the probed waveforms, with frequencies in the 20-800 Hz range and spin-downs between -2.6 x 10° -9 Hz s $^{\circ}$ -1 and 2.6 x 10° -10 Hz s $^{\circ}$ -1.

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