

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

Tuesday, July 11, 2023 12:00 PM (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 $-2.6 \times 10^{-9} \text{ Hz s}^{-1}$ and $2.6 \times 10^{-10} \text{ Hz s}^{-1}$.

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Session Classification: Search results 1