Realtime detection of gravitational wave bursts NEIL CORNISH,
MARGARET MILLHOUSE, Montana State University — I will describe a new
low-latency algorithm that is being developed to detect gravitational wave bursts
using coherent wavelet denoising. The algorithm reconstructs the signals and has
the capability to produce sky localization maps in realtime. Triggers from this low-
latency pipeline will be fed to the BayesWave algorithm for in-depth study and the
assignment of signal-to-noise Bayes factors.

Neil Cornish
Montana State University

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