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Gravitational Wave Calibration Error for Supernovae Core Collapse BRAD RATTO, MICHELE ZANOLIN, Embry-Riddle Aeronautical University — The existence of gravitational waves reveals yet another method in which information is transmitted across the cosmos, bringing with it further insight into the inner workings of our universe. However, the instrument induces distortions in the gravitational waves. In this talk I will describe these effects, how the laser interferometers software tries to correct for them, and how the data analysis algorithms attach errors on the estimated physical parameters. The explicit examples come from GWs from Core collapse Supernovae.

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