Constraining the parameterized post-Einsteinian framework with binary pulsar observations REMYA NAIR, Montana State University, Bozeman, NICOLAS YUNES, University of Illinois, Urbana-Champaign — The parameterized post-Einsteinian (ppE) framework provides a model independent way of searching for generic deviations from general relativity. In this talk we will present our bounds on the ppE parameters obtained from the post-Keplerian measurements of binary pulsars and also discuss the effects of mass priors on these bounds. Our results can be further used as informative priors for other Bayesian studies, e.g. those involving measurements from gravitational wave observations.

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