

Abstract Submitted
for the APR06 Meeting of
The American Physical Society

A Search for gravitational wave signals from known pulsars using early data from the LIGO S5 run MATTHEW PITKIN, University of Glasgow, THE LIGO SCIENTIFIC COLLABORATION — We have analysed the first months of data collected in the fifth science run of LIGO to look for gravitational wave signals from known radio pulsars. The S5 run promises unprecedented sensitivities for these targets. We present a status report from this investigation, using pulsar timing data taken prior to S5, and consider the implication for a search based on a full year of S5 data.

Matthew Pitkin
University of Glasgow

Date submitted: 13 Jan 2006

Electronic form version 1.4