Abstract for an Invited Paper for the APR06 Meeting of The American Physical Society

Status of LIGO Interferometers MICHAEL ZUCKER, California Institute of Technology

LIGO interferometers are now collecting data full time, having reached design sensitivity in the last year. This achievement required an understanding of subtle unforeseen effects and some innovative design solutions to overcome them. The journey sets the stage for still better performance, as advanced detector technologies reach maturity in laboratories around the world.