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Abstract for an Invited Paper
for the APR18 Meeting of
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LIGO and Gravitational Waves II

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This presentation will be a continuation of the talk by Rai Weiss - LIGO and Gravitational Waves I. Key technical innovations that led to the detection of gravitational waves by Advanced LIGO will be described, a review of the first detections discussed, an update of recent results will be given, and a glimpse at future plans and opportunities.