

Status and results of Gravitational-wave Astronomy



David Shoemaker
(Massachusetts Institute of
Technology, spokesperson for
LIGO Scientific Collaboration)

Friday, 23, February

10:00-

Sakata and Hirata Hall

Abstract:

I will give a brief description of the generalities that define the new field of gravitational-wave astronomy — the interaction of the instrument with the gravitational waves, and the basic concept and limitations to the detection approach. I will then summarize the results to date with the LIGO-Virgo network of detectors, and finish with a perspective for the future of the field both near-term and long-term.