

Seminarium Astrofizyczne
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<https://www.gotomeet.me/NCBJmeetings/seminarium-astrofizyczne>
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Andrzej Królak

(National Center for Nuclear Research and Institute of Mathematics, Polish Academy of Sciences)

**Recent observations of gravitational waves by LIGO, Virgo,
and KAGRA detectors**

I shall present the most recent results of gravitational wave observations obtained by consortium of LIGO, Virgo, and KAGRA projects. I shall make a brief introduction to gravitational radiation phenomenon. I shall present status of current ground-based gravitational wave detection projects. I shall present highlights of the detections of gravitational wave signals during the observational runs O1, O2, and O3 of the LIGO and Virgo detectors. The detected signals originate from coalescence of compact binary systems consisting of black holes and neutron stars. I shall present the status of the ongoing O4 run of the detectors and I shall summarize results of the recently completed first part of the run.

Serdecznie zapraszam,
Agnieszka Majczyna, on behalf of the SOC