

Seminarium Zakładu Fizyki Teoretycznej

Departament Badań Podstawowych
Narodowego Centrum Badań Jądrowych

15 stycznia 2020 r. (środa), godz.12:15
NCBJ, sala 404, Pasteura 7

dr Adam Zdrożny

Zakład Astrofizyki, NCBJ, Pasteura 7, Warszawa

“Current state of observations from LIGO-Virgo detectors”

ABSTRACT:

The aim of a talk is to give an overview current state gravitational wave observations. During three science runs (2015-2016, 2016-2017, 2019-2020) of Advanced LIGO-Virgo detectors multiple binary merger events were observed. Most of the events are binary black hole mergers, but nine detected events had neutron star component. Those observations, especially GW170817, brought additional way to study neutron stars. Data that being gathered by LIGO-Virgo detectors could be used to constrain neutron star equation of state.

Serdecznie zapraszamy,

M. Kowal, W. Piechocki, J. Skalski, L. Szymanowski