

## **Seminarium Szkoły Doktorskiej NCBJ**

**Thursday, 12 January, 9:15  
room 207, Pasteura 7**

**<https://www.gotomeet.me/NCBJmeetings/phd-seminar>  
<https://events.ncbj.gov.pl/e/PhDSeminar2223>**

**Speaker:**

**Sreekanth Harikumar (Szkoła Doktorska NCBJ)**

**Title:**

**Gravitational wave lensing in General Relativity and beyond**

**Abstract:**

Gravitational lensing has been considered as a rare phenomenon, however recent advancements in technology lead to the discovery of many lensed events. Now it has become an unavoidable tool in astronomy. Like electromagnetic waves, gravitational waves could also be lensed leading to the formation of magnified multiple signals and many more. The increasing sensitivity of current detectors and planned next-generation detectors makes the future of gravitational wave astronomy looks promising. In this talk, I will present some of the interesting predictions of lensed gravitational waves and how such lensed events can be used to test modified theories of gravity.