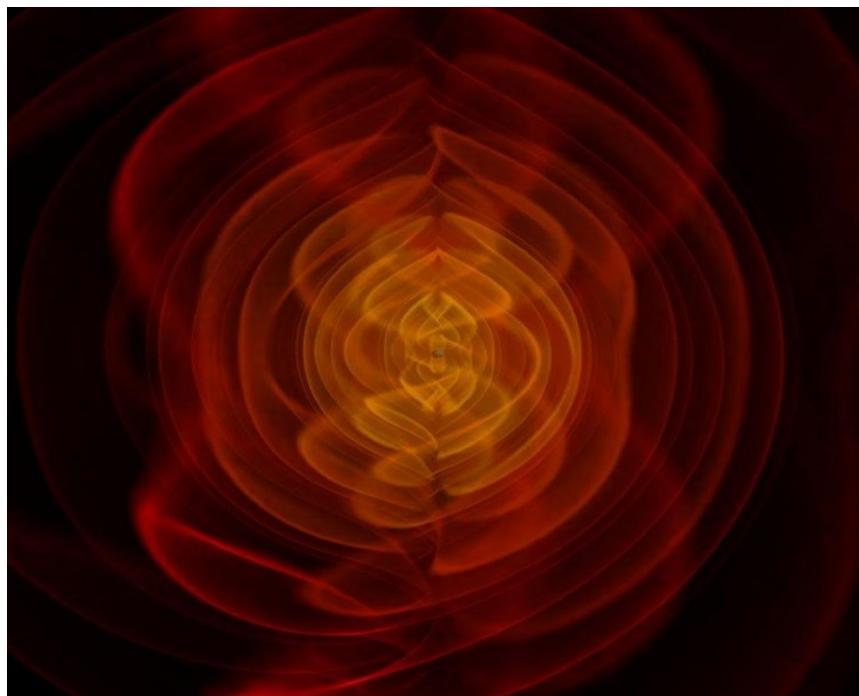




Catching gravitational waves: A new discovery and a new astronomy.

Sheila Rowan (University of Glasgow)

Tuesday, 14 June 2016, 16:45 h, DESY Auditorium



Credit: Simulation of gravitational wave emission from merging black holes (NASA/C.Henze)

Close to a century after Albert Einstein predicted the existence of ripples in space-time - 'Gravitational waves' – the advanced detectors of the Laser Interferometer Gravitational-wave Observatory (LIGO) recently detected such signals for the first time, starting a new era in astronomy. This talk will explain the nature of gravitational waves, describe what sources out in the Universe can produce them, explain how they are detected, what the signals were that the LIGO detectors actually have captured and what the future of this new era in astronomy might look like.

- **Coffee, tea and cookies will be served at 16:30h**
- **After the seminar there is a chance for private discussions with the speaker over wine and pretzels**