

20. April 2023

Einladung zum Physikalischen Kolloquium

21.07.2023 **Harald Lück, Albert Einstein Institut Hannover**
»The Einstein Telescope«
Einführung: M. Klute



The detection of gravitational waves with today's gravitational wave detectors has allowed us to eavesdrop on hidden processes in the Universe and to obtain information about processes that we cannot see using other methods. They marked the beginning of gravitational astronomy. But we are still only at the beginning of this new era. We know how to build new instruments with even greater sensitivity that will allow us to listen back to the early days of the universe, constantly registering the quivering of space-time caused by a vast number of sources. With the Einstein telescope, we want to build such an instrument in Europe. It will be bigger, more sensitive, underground and extremely cool. I will report on the current plans and developments.

Der Vortrag findet **am Freitag, den 21. Juli 2023 um 15:45 Uhr im Otto-Lehmann-Hörsaal**, Physik-Flachbau (Geb. 30.22), KIT-Campus Süd statt.