

# PHYSIKALISCHES KOLLOQUIUM

SOMMERSEMESTER 2024

Montag, 01.07.2024, 12 Uhr c.t.

**FAST RADIO BURSTS:**

**UNRAVELING AN ASTROPHYSICAL MYSTERY**

Dr. Laura Spitler, Max Planck Institute for Radio Astronomy

Fast radio bursts are short-duration, radio transients emitted by so-far unidentified astrophysical sources. What is well established is that their origins are in distant galaxies and at least a sub-set of the sources repeat. Significant progress has been made in the field in the last six years thanks to several new surveys dedicated to discovering and localizing fast radio bursts. I will give a brief status update of the field and highlight the work we are doing at the MPIfR with the Effelsberg 100-m radio telescope to understand repeating fast radio bursts. I will also briefly mention how fast radio bursts can be used as cosmological probes.

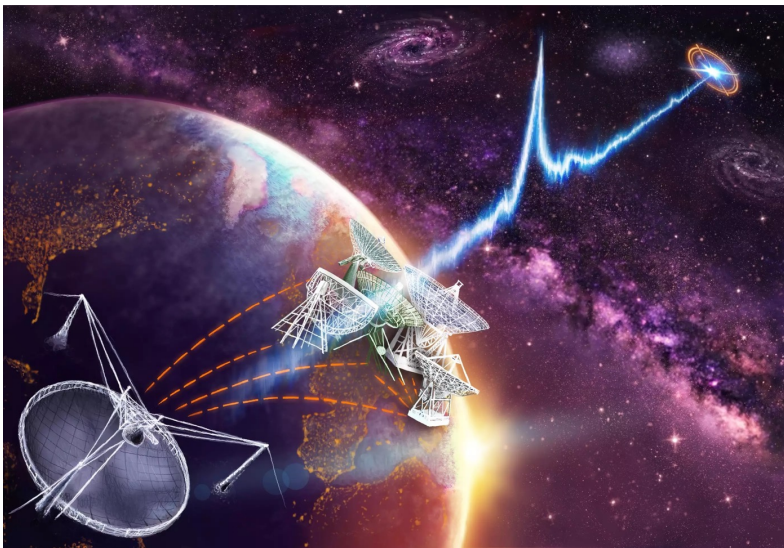


Image Credit:  
Danielle Futselaar  
([www.artsource.nl](http://www.artsource.nl))

Die Einführung erfolgt durch Anna Franckowiak

**Die Fakultät lädt alle Interessierten herzlich ein. Die Veranstaltung findet im Hörsaal HNB statt.**

