

**Prize Talk**

PV IX Wed 11:20 B Audimax

**Gravitational Wave Astronomy: Listening to the sounds of the dark universe!** — ●KARSTEN DANZMANN — Albert-Einstein-Institut, Hannover

For thousands of years we have been looking at the universe with our eyes. But most of the universe is dark and will never be observable

with electromagnetic waves. Since September 14th, 2015, everything is different: Gravitational waves were discovered! We have obtained a new sense and finally we can listen to the dark side of the universe. The first sounds that we heard were from unexpectedly heavy Black Holes and Neutron Stars. But nobody knows what other dark secrets are waiting for us out there.