

PHYSIKALISCHES KOLLOQUIUM

Wintersemester 2018/19

Das Kolloquium findet (soweit unten nicht anders angegeben) jeweils montags 17:15 Uhr im Hörsaal P des Physikalischen Instituts auf dem Hubland Campus Süd der Universität Würzburg statt.

03. Dezember 2018

Prof. Sara Buson
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Fakultät für Physik und Astronomie

Amtrittsvorlesung: New Roadmaps throughout our Universe

Abstract

Everything we have known about the Universe, we have learned by studying the light. In the past decade, the advent of a new generation of space- and ground-based observatories, such as the Fermi Gamma-ray Space Telescope and Cherenkov instruments, has provided a huge boost in our understanding of the most energetic and violent phenomena that characterize the extreme cosmos. Understanding such phenomena can be exceptionally rewarding as they provide us with an indirect way to test physics conditions inaccessible to any human-attained Earth' laboratory. Undoubtedly, the astrophysics field consolidates as secure land for panchromatic discoveries and, mostly, opens an exciting window into new opportunities and unprecedented perspectives. In fact, since very recently, we have now two new "senses" to map the Universe and tackle particle physics: we have just started "hearing" at gravitational waves and detecting the elusive cosmic neutrinos. I will explore how deciphering and combining the information carried by the different messengers are the keys to peek through many different veils of our Universe.

Für die Dozenten der Fakultät für Physik und Astronomie

Frau Prof. Dr. Erdmenger, Prof. Dr. Bode, PD Dr. Behr und Herrn Steppert