

Öffentliche
Vortragsreihe

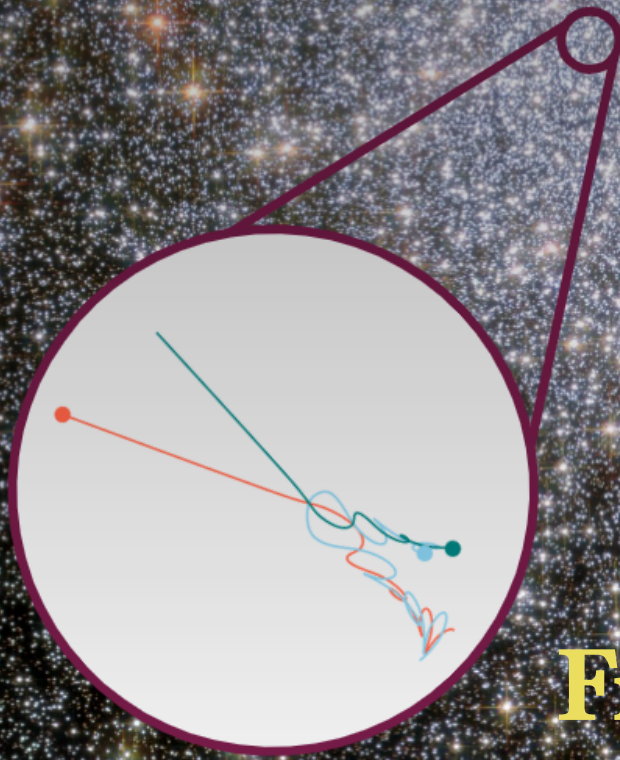
Nachts auf der Sternwarte...

Freitag, 11. April 2025, 18:30

Einlass 18:00 – 18:45

From Jewel Boxes to Treasure Troves

The wonders of stellar interactions in globular clusters



Francisco Aros

Credit: NASA, ESA, and the Hubble Heritage (STScI/AURA)-ESA/Hubble Collaboration
Acknowledgment: J. Mack (STScI) and G. Piotto (University of Padova, Italy)

Hörsaal der Universitätssternwarte

(Eintritt frei)

Livestream: <http://sternwartennaechte.univie.ac.at>



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From Jewel Boxes to Treasure Troves

The Wonders of Stellar Interactions in Globular Clusters

Dr. Francisco Aros

Globular clusters are dense stellar systems with hundreds of thousands to millions of stars in a volume that is only a couple of times larger than the distance of the Sun to its closest star. Globular clusters are also very old, with ages around 13 billion years. In such dense and old systems, it is not unusual for stars to interact with each other: flybys, captures, and even collisions and mergers happen in globular clusters. In this talk, I will guide you on the different stellar interactions that can occur in globular clusters and their exotic results, from rejuvenated stars to black hole mergers and gravitational waves.

The lecture will be given in the lecture room of the University Observatory and will also be streamed online. The link to the video stream can be found on our home page:

<http://sternwartennaechte.univie.ac.at>

The lecture will be given in English.

Der Vortrag findet im Hörsaal der Universitätssternwarte statt und wird gleichzeitig online übertragen. Der Link zum Videostream ist auf unserer Homepage zu finden:

<http://sternwartennaechte.univie.ac.at>

Der Vortrag ist in englischer Sprache.