

Öffentliche  
Vortragsreihe

# Nachts auf der Sternwarte...

Freitag, 14. Februar 2025, 18:30

Einlass 18:00 – 18:45

## *Speed Junkies*

The origin and fate of the fastest stars in the Galaxy

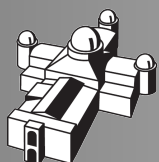


*Prashin Jethwa*

Hörsaal der Universitätssternwarte

(Eintritt frei)

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



institut für  
astrophysik  
UNIVERSITÄTSSTERNWARTE WIEN

Türkenschanzstr. 17

1180 Wien

[scicomm.astro@univie.ac.at](mailto:scicomm.astro@univie.ac.at)

# Speed Junkies

**The origin and fate of the fastest stars in the Galaxy**

**Dr. Prashin Jethwa**

*Buckle up and prepare for an interstellar ride! In this talk, we'll dive into the thrilling world of the fastest stars in the Milky Way – hypervelocity stars. These cosmic speed junkies are tearing through space at breakneck velocities, often fast enough to escape the gravitational grip of our galaxy. But where do these runaway stars come from, and what drives them to such extraordinary speeds?*

*We'll explore the explosive scenarios that create them, from close encounters with the supermassive black hole at the heart of the Milky Way to the dramatic aftermath of stellar explosions. Along the way, you'll discover how astronomers track these stellar speedsters and use them as cosmic probes to map the unseen structure of our galaxy.*

*Whether you're a stargazer, a thrill-seeker, or just curious about the extremes of the universe, this talk will leave you racing to learn more about the fast and furious lives of hypervelocity stars — and what their ultimate fate reveals about the vast, dynamic cosmos we call home.*

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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.

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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.