

# WPCF 2023 - XVI Workshop on Particle Correlations and Femtoscopy & IV Resonance Workshop 2023



Contribution ID: 81

Type: **Invited**

## Astronomical HBT interferometry: inside-out femtoscopia?

*Tuesday, 7 November 2023 10:20 (25 minutes)*

Astronomical HBT interferometry is simultaneously just like femtoscopy and yet as different as can be. Perhaps one can think of astronomical HBT interferometry (or intensity interferometry) as probing (transverse) momentum on scales of nano eV/c by measuring particle correlations on scales of hundreds of metres.

This talk will try to make the connection, present some new results on massive stars, and give a feeling for the exciting developments expected in the coming years.

**Primary author:** SAHA, Prasenjit (University of Zurich)

**Presenter:** SAHA, Prasenjit (University of Zurich)

**Session Classification:** Day 2 - Morning