

## **Determination of accurate dynamical masses in the pre-main sequence triple system Cru-3 with AMBER**

*Serge Correia*

*Astrophysikalisches Institut Potsdam - AIP (DE)*

We report on VLTI/AMBER observations of the low-mass pre-main sequence triple system Cru-3. The system is composed of an optical double-lined spectroscopic pair and a third unseen component. The aim is to derive the astrometric orbits of this system and, by combination with their spectroscopic orbital solutions, to measure the dynamical masses of the individual components with an accuracy of a few percent which will eventually constrain the current pre-main sequence evolutionary models. Moreover, the determination of the relative orientation of inner and outer orbits will place constraints on the physical processes involved at the earliest stages of multiple star formation.