



UNIVERSITÀ DEGLI STUDI
DI PERUGIA

Avviso di Seminario

Lunedì 2 marzo 2020 ore 14:00

Sala Riunioni III° Piano

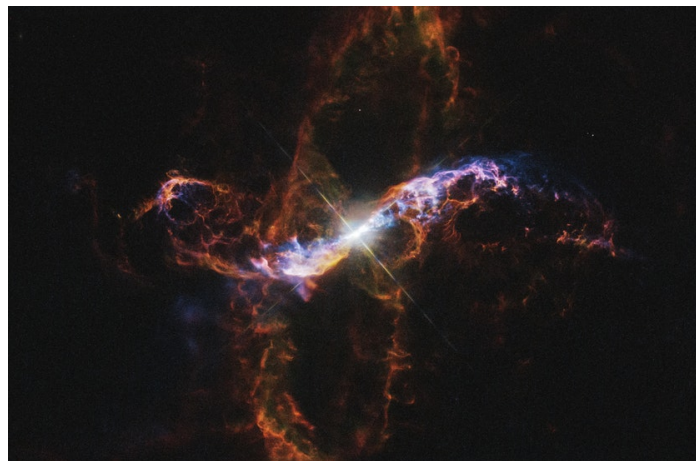
Prof. Rodolfo Angeloni

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**RAMSES II - RAMAN Search for Extragalactic Symbiotic Stars:
project concept, commissioning, and early results from the
science verification phase**

Symbiotic stars (SySts) are long-period interacting binaries composed of a hot compact star, an evolved giant star, and a tangled network of gas and dust nebulae. They represent unique laboratories for studying a variety of important astrophysical problems, and have also been proposed as likely progenitors of SNIa.

Presently, we know 276 SySts in the Milky Way and 74 in external galaxies. However, these numbers are still in striking contrast with the predicted population of SySts in our Galaxy. Because of other astrophysical sources that mimic SySt colors, no photometric diagnostic tool has so far demonstrated the power to unambiguously identify a SySt, thus making the recourse to costly spectroscopic follow-up still inescapable.



TUTTI GLI INTERESSATI SONO INVITATI A PARTECIPARE

Proponente
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