

[RSS](#) | [Make brahmand.com your home page](#)



Tuesday, Jan 19, 2010 02:10 IST

- [HOME](#)
- [PLANETS](#)
- [MISSILES](#)
- [AVIATION](#)
- [SATELLITES](#)
- [GALAXIES](#)
- [MYSTERY](#)
- [VIDEO GALLERY](#)
- [CHILDREN'S CORNER](#)
- [TALKING PICTURES](#)

- [Top News](#)
- [Global News](#)
- [India News](#)
- [Specials](#)
- [KNOW HOW](#)
- [Interviews](#)

Enviar consulta

You are here : [Home](#) » Planets

-

Font Size

-

[Print](#)

-

[Email to friend](#)

-

[Discuss](#)

-
-

Scientists observes red giant stars to study presence of carbon in atmosphere

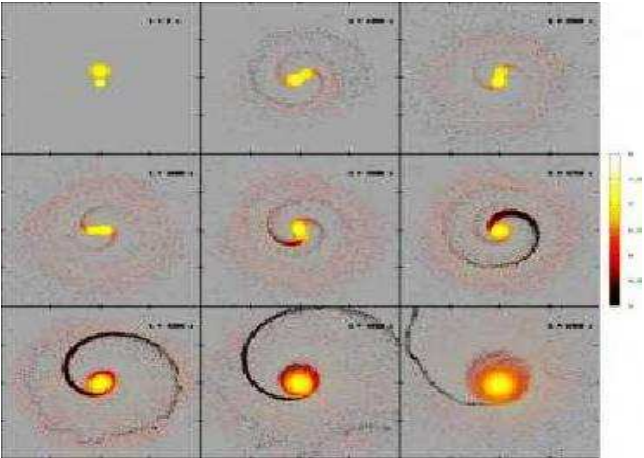
Last Updated: Jan 18, 2010

50 Hotels in Granada
Book your hotel in Granada online.
Find your hotel on a city map!
[www.Booking.com/Granada](#)

Cursos Técnicos Granada
Cursos Técnicos En Granada
Cursos Con Prácticas y Bolsa Empleo
[www.MasterD.es/Cursos_Granada](#)

Web design from 295€
Professional web design from Arayo Webstudios.
[www.arayoweb.com](#)

Ads by Google



The temporary hydrodynamic development (projection in the X-Y plan) of the binary system made up of a [helium](#) white dwarf and the core of a red giant. University of Granada Photo.

More News

Hotel Granada por 30€
Las Mejores OFERTAS en Granada Reserva
Aquí,Paga Luego en el Hotel
[MejoresOfertas-Viajes.com/Granada](#)

Photographer and writer
John MacDonald Photographer, writer
Travel,reportage,wedding,portrait
[www.jmacd.co.uk](#)

The Carbon Cycle
Studying carbon cycle is a key to predicting
Earth's climate change
[www.america.gov/carbon.html](#)

Ads by Google

GRANADA (BNS): Scientists of the department of Theoretical and Cosmos Physics of the University of Granada in Spain recently conducted a research work, where they have analysed the chemical composition and the evolutionary state of spectral type R [carbon](#) stars to try to explain the origin of the carbon enrichment present in its atmosphere.

According to a press release by the University of Granada, type-R stars are peculiar red giant stars, as they show a higher presence of carbon than oxygen in their atmosphere.

Type-R stars are classified into hot-R stars and cold-R stars, depending on their effective temperatures.

The study has determined the chemical composition of a 23 type-R star sample (both hot and cold), using spectrums in the optics with high-spectral resolution, in order to obtain information about the origin of this type of stars, as reported in the release.

Numeric simulation were carried out for the first time of the most favourable scene for the formation of a hot-R stars i.e.; the fusion of a helium white dwarf with a red giant.

With the research work the scientists have come to a conclusion that cold-R stars are identical to type-N stars (or normal carbon stars) but hot-R stars are different.

The research was conducted by Olga Zamora Sánchez and supervised by professors Carlos Abia and Inmaculada Domínguez. The scientists have also studied the essential observational features of type-R stars (distribution in the Milky Way, kinematics, luminosity, etc.).

The scientists of the University of Granada are of the viewpoint that this type of study has no immediate applications but the information obtained could be very valuable in the future as carbon is very important for the possible development of life in the Universe.

· **Ads by Google** [Granada Travel](#) [Atmosphere](#) [Carbon Cycle](#) [Space](#) [Carbon Credits](#)

- 
- Font Size
- 
- [Print](#)
- 
- [Email to friend](#)
- 
- [Discuss](#)
- 
- 

[INDIA NEWS](#)
[GLOBAL NEWS](#)

- [Russia will launch 2 satellites, a freighter to ISS in Feb](#)
- [China launches third navigation satellite](#)
- [Boeing to bid on NASA's ISS Cargo Mission Contract](#)
- [India to buy 29 more MiG-29K](#)
- [India to receive second Phalcon AWACS in March](#)
- [ACA awards defence contracts to companies across UK](#)
- [Russia-US, START-1 treaty replacement in progress: Medvedev](#)
- [UK awarded RAF's engine contract to Rolls-Royce](#)