



Istituto Ricerche Solari Locarno

PhD position in stellar physics at the Istituto Ricerche Solari Locarno

Topic: Planet engulfing scenarios

A Swiss-NSF-funded PhD position is now open at the solar physics research institute Istituto Ricerche Solari Locarno, IRSOL, located in Locarno in the Southern part of Switzerland. The project will be carried out in collaboration with the University of Geneva, and Kiepenheuer Institut in Freiburg, Germany. The PhD student will be enrolled as a PhD student at the University of Geneva.

The PhD student will have the opportunity to work in a lively small group on a challenging and cutting-edge topic. The work will address planet engulfing scenarios considering both theoretical and observational aspects. The goal will be to study the consequences on the star involved in the process of planet engulfing, through numerical modeling, and to find corresponding observational signatures. The PhD student is expected to get familiar with the instrumentation and the observational techniques at the IRSOL observatory, where it will be possible to carry out spectroscopy observations of bright stars and to perform calibration observations on the Sun. Fainter stars will be observed at the Gregor telescope in Tenerife or at other large telescopes.

We are seeking an outstanding and highly motivated candidate with a MSc or equivalent degree in astrophysics, astronomy or physics with interests in observational techniques and numerical modeling. The candidates should send a letter of motivation, a CV, academic transcripts and contact details of three potential referees by post or by email to the address below. Electronic material should be sent in a single PDF-file.

IRSOL - via Patocchi - CH-6605 Locarno Monti - Switzerland

Email: info@irsol.ch with CC: mbianda@irsol.ch

Links: www.irsol.ch

Workplace location: the PhD student is expected to spend about 2 years at the University of Geneva to work on the theoretical modeling. For the remaining period the main workplace will be at IRSOL in Locarno.

Gross annual salary: ~ 40000 CHF (ca. 34000 EUR)

Applications will be considered until the position is filled.

Start date: as soon as possible, in any case not later than summer 2012.

For more information please contact:

- Dr. Michele Bianda (IRSOL): mbianda@irsol.ch, +41 91 743 42 26
- Prof. Georges Meynet (University of Geneva): Georges.Meynet@unige.ch
- Prof. Svetlana Berdjugina (KIS): sveta@kis.uni-freiburg.de