



PhD position in astrophysics at the University of Graz (Austria)

Magnetic Helicity Modeling in Solar Flares

The Solar and Heliospheric Physics research group at the University of Graz invites applications for a PhD position. The PhD project will be embedded in a FWF (Austrian Science Fund) research project, focused on the modeling of magnetic helicity in solar flares. The PhD study will cover in-depth studies of solar flare events using data from NASA's Solar Dynamics Observatory (SDO) satellite, including data from the Atmospheric and Imaging Assembly (AIA) and Helioseismic and Magnetic Imager (HMI). The international partners in the project include members of an ISSI International Team of Scientists.

PhD position profile:

We are looking for highly motivated graduates/graduate students with genuine interest in the physics of the Sun, specifically in solar eruptions which condition the space weather near Earth. The candidates are expected to have an excellent background in physics, and a good command of written and spoken English. Good knowledge and acquaintance with at least one of the following fields – solar physics, space physics, astrophysics – as well as good programming skills are required. We offer an interesting PhD project on a recent topic in solar physics that will be performed within a dynamic research group.

Duration: 3 years (Starting date: no later than 1 October 2019)

Wage: Monthly gross salary will be ~2.160 EUR (14 times per year) according to the standard personnel costs and salaries for FWF project proposals

How to apply:

Required documents (packed into one single PDF):

Motivation letter, copy of scientific certificates and transcript of studies, CV, publication list.

If applicable, please attach separately the copies of bachelor and/or master thesis.

Deadline for application: 30 April 2019

Send application electronically to: Dr. Julia K. Thalmann (julia.thalmann@uni-graz.at)

We are looking forward to your application!