

PhD positions in the KOSMA group at Cologne

Applications are invited for up to 3 Ph.D. positions in (sub-)mm/far-infrared astronomy in the KOSMA group at the I. Physikalisches Institut der Universitaet zu Koeln, using the Herschel Space Observatory, the NANTEN2 submillimeter telescope and the stratospheric observatory SOFIA, as well as other astronomical facilities. The prime scientific focus of the KOSMA group is on the study of star formation and the evolution of the interstellar medium in the nuclei and disks of nearby galaxies and the Milky Way through spectrally resolved observations in the (sub-)mm and far-infrared. Our group is strongly involved in several key programs with Herschel, in particular the PRISMAS, HEXOS, WADI, and HEXGAL guaranteed time key projects, and the HERMES open time key project (see http://herschel.esac.esa.int/Key_Programmes.shtml for more information on these projects). The interpretation of observations is supported by in-house extensive modelling (e.g. SimLine, KOSMA-tau. The KOSMA group has contributed key instrumentation to the Heterodyne Instrument for the Far-Infrared (HIFI) on Herschel and to SOFIA and is a major partner of the new NANTEN2 telescope near the site of the future Atacama Large Millimeter Array (ALMA) in the Chilean Andes at 5000m altitude.

The successful applicants are expected to participate in the definition and execution of the Herschel key programs, to support/perform the complementary observational program, in particular at NANTEN2 and SOFIA, and to participate in the analysis and interpretation of the resulting data. Prospective applicants can obtain more information on our website at <http://www.ph1.uni-koeln.de/jobs> or by contacting one of the KOSMA members (e.g. stutzki@ph1.uni-koeln.de).

Candidates should have an education in physics and/or astronomy and a strong interest in the research fields mentioned above. Closing date for applications is July 31st, 2008, but search will continue until the positions are filled. Applicants should send a CV, documentation on their education and a short statement on their research interests, and should give the names and addresses of two referees.