

V-264: Prof. Asif ud-Doula, Penn State University, USA from 24-28 June 2018

We would like to thank NOVA's very prompt support for the short visit of Prof. Asif ud-Doula, Penn State University USA (visiting Meudon, France), from 24 – 28 June 2018.

Dr. Asif ud-Doula is a leading astrophysicist on the time evolution of spinning stars and accretion disks, and especially on the effect of magnetic fields on winds in massive stars.

This is a key overlapping domain with our study of the O star ξ Persei with Dr. Natallia Sudnik. During his 4-day visit he gave a successful seminar on this subject, followed by numerous insightful discussions on ξ Per, with numerical calculations, which we included in our paper (see joined report on V – 264).

His visit taught us specifically the physics of the intricate interplay between rotation, magnetic field and stellar wind. It allowed us, for the first time, to build a model for ξ Per which seems to cover many observational aspects, not understood before. We were very happy with his timely visit.