第 1603 回 天文学教室談話会

2016年10月4日(火) 16:30 より 東京大学理学部1号館西棟11階1109号室(天文学専攻会議室)にて

"Massive Stars in the Solar Neighbourhood"

Norbert Przybilla (University of Innsbruck)

Improved observational data, upgraded models and a novel analysis methodology facilitated us to study OB stars at unprecedented accuracy and precision. The investigation of a sample of single massive stars in the extended solar neighbourhood has shown that this region in the Milky Way is chemically highly homogeneous at present day, with wideranging implications for the efficiency of mixing processes in the interstellar medium, and for our understanding of the composition of interstellar dust. A comparison of these cosmic abundances with the solar elemental composition allows even new constraints on the origin of the solar system to be derived.