

Plenarvorträge (PV)

Plenarvortrag PV I Mo 11:30 HG X und HG Aula
From Disks to Planets: The Formation of Planetary Systems — ●THOMAS HENNING — Max Planck Institute for Astronomy, Königstuhl 17, D-69117 Heidelberg, Germany

More than 400 extrasolar planets have been detected until today. These "new worlds" are characterized by a large range in orbital and structural parameters, demonstrating the diversity of planetary system ar-

chitectures. At the same time, observations at infrared and millimetre wavelengths have revealed the presence of protoplanetary disks around young stars and allowed the determination of their physical and chemical composition. The lecture will summarize our knowledge of planetary system formation in these disk, bridging the gap between their circumstellar micron-sized dust particles and planetary bodies of many 1000 kilometers in size.