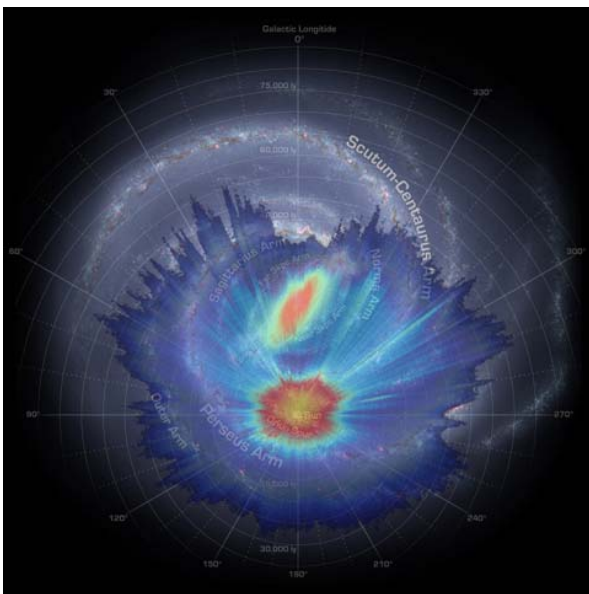


Physikalisches Kolloquium

Prof. Dr. Matthias Steinmetz

Leibniz-Institut für Astrophysik Potsdam

**There is no place like home –
Unveiling the chemo-dynamical evolution of the Milky
Way with the Gaia satellite and spectroscopic surveys**



The Milky Way is the cosmological environment we can study in most detail. As such it provides the ideal test bed for studying our concepts on how galaxies form and evolve. The recent data release of the astrometric satellite Gaia is providing information on the velocities and positions of stars in the Galaxy in unprecedented detail. Large spectroscopic surveys complement these data with detailed information on the chemical composition of stars. Both data sets together allow us to disentangle structure, kinematics and formation history and give us new insights on the chemo-dynamical evolution of the Galaxy.

Montag, 08.07.2019, 16:15 Uhr

Ort: Hörsaal 6