

Seminar

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Measuring peculiar motions in the local universe

Peculiar motions are the observational imprint of the ongoing assembly of large structures. In order to measure them, one requires redshift data as well as a redshift-independent distance indicator. To this end, we used the Sloan Digital Sky Survey, which contains photometric and spectroscopic data covering about a quarter of the sky. With this data, we managed to derive the so far largest self-consistent sample of early-type galaxies with redshift-independent distances obtained using the fundamental plane. We compare our results to other large peculiar motion studies and provide an outlook on future expansions of our dataset.

Thursday, 11.07.2019, 14:15 Uhr

Place: D6-135