

Seminar

von

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GAS STRIPPING and STAR FORMATION: THE GASP SURVEY

I will present the results of the GASP (Gas Stripping Phenomena in galaxies) survey, an ESO Large Program with MUSE studying ~ 120 galaxies at $z=0.04-0.07$ in clusters, groups and filaments to study the mechanisms of gas removal and their effects on the star formation activity (Poggianti et al. 2017 ApJ 844 48, Poggianti et al. Messenger 170 29). In addition to the MUSE data, that provides spatially resolved information about the ionized gas and the stars, we have obtained HI JVLA, ALMA, APEX and FUV and NUV UVIT@ASTROSAT high quality data to study all the gas phases and their relation with the ongoing star formation activity. I will provide an overview of the survey, that at the time of writing is 94% completed, and present some of the survey highlights so far, including the characteristics of the star formation taking place in the long tails of gas stripped by ram pressure, and the relation between ram pressure triggering and AGN triggering at the center of the stripped galaxies.

Montag, 14. Mai 2018, um 15:00 Uhr im HS

des Institutes für Astrophysik, Türkenschanzstraße 17, 1180 Wien