

WALLABY: a southern Tully-Fisher survey

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We report on the successful completion and release of HI data for 2,400 galaxies from the ASKAP WALLABY pilot surveys covering 300 sq.deg of (mainly) southern sky. We also provide an update on the 5-yr full WALLABY survey which is mapping galaxies in HI over a further 15,000 sq.deg. It is anticipated that, by 2028, WALLABY will have 200,000 redshifts and velocity widths for the purposes of distance determination and cosmological studies, including flow fields, Hubble constant, and growth rates. Combined with optical/radio data from northern surveys (e.g. FAST and DESI) and new methods of velocity width determination, we will shortly enter a new era of precision local cosmology.

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