



MUSYC (Multiwavelength Survey by Yale-Chile)

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277,341 objects in square-degree optical catalog

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Field	# Obj.	BVR	U	В	V	R	I	z	NB5000
E- CDFS	84410	27.1 0.85"	26.0	26.9	26.4	26.4	24.6	23.6	25.5
E- HDFS	62968	26.3 0.95"	26.0	26.1	26.0	25.8	24.7	23.6	24.0
SDSS 1030	69619	26.5 0.85"	25.8	26.0	26.2	26.0	25.4	23.7	24.8
CW 1255	60344	26.5 1.15"	26.0	26.2	26.1	26.0	25.0	24.1	24.4

 5σ Point Source Limits (AB mags):

BVR-selected catalogs complete to R=25 (total mag.) A square degree imaged to the spectroscopic limit! Nelson Padilla - ROE/JSPS Workshop 2007



i) Evolution of dark matter halo masses from clustering of z<1 MUSYC galaxies (Padilla et al. 2007)

18<R<24.3 Stellarity parameter c < 0.8 (SExtractor) Photo-z: hybrid, 0.2<z_{ph}<1 ~55,000 galaxies Errors ~ 0.06*(1+z) in redshift Flux and Volume limited samples 5 photo-z slices

Calibration: using mocks.

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