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# -----#
# JINGLE sample catalog
#
# Refer to Saintonge et al. (2018) for a description of the contents of this catalog.
#
# Throughout the catalog, a value of -9 or -99 indicates that a given quantity is not available for a
# specific galaxy.
# -----#
# -----#
# Identifiers and basic properties
# -----#
[1] SDSSNAME      STRING      SDSS name
[2] JINGLEID      STRING      JINGLE catalog ID
[3] IDNUM        INT         JINGLE catalog number
[4] SDSSID       STRING      5-part SDSS ID
[5] OBJID        LONG64     SDSS ObjID
[6] SPECOBJID    LONG64     SDSS SpecObjID
[7] PLATE        INT         SDSS spectroscopic Plate ID
[8] MJD          LONG       SDSS spectroscopic MJD ID
[9] FIBERID      INT         SDSS spectroscopic Fiber ID
[10] RA          DOUBLE     RA from SDSS, J2000 [decimal degrees]
[11] DEC         DOUBLE     Dec from SDSS, J2000 [decimal degrees]
[12] Z           FLOAT      SDSS spectroscopic redshift
[13] Z_ERR       FLOAT      Redshift error
[14] DL          FLOAT      Luminosity distance [Mpc]
                        (Omega_m=0.3, Omega_L = 0.7, H0 = 70 km/s/Mpc)

# -----#
# Spectral information
# -----#
[15] AGNCLASS    INT         BPT-based AGN classification, -1:undetermined, 0:inactive,
                        1:Sfing, 2:Composite, 3:AGN, 4:Seyfert
[16] N2HA       FLOAT      log(FLUX_NII_6583/FLUX_Halpha_6562)
                        (using fluxes from SDSS DR10 emissionLinesPort table)
[17] O3HB       FLOAT      log(FLUX_OIII_5006/FLUX_HBeta_4861)
                        (using fluxes from SDSS DR10 emissionLinesPort table)
[18] Z_PP04_N2  FLOAT      12+logO/H from N2Ha using Pettini&Pagel (2004)
[19] Z_PP04_O3N2  FLOAT      12+logO/H from N2Ha and O3Hb using Pettini&Pagel (2004)
[20] Z_MZR      FLOAT      12+logO/H from MZR, Kewley&Ellison08, PP04 calibration, using
                        the MAGPHYS stellar mass

# -----#
# Stellar mass
# note: all the stellar masses are given in units of log(Msun) and for a Chabrier IMF.
# -----#
[21] LOGMSTAR_MAGPHYS  FLOAT  M* from MAGPHYS and CAAPR photometry
[22] LOGMSTAR_MAGPHYS_ERR  FLOAT  Error on LOGMSTAR_MAGPHYS
[23] LOGMSTAR_GRASIL    FLOAT  M* from GRASIL and CAAPR photometry
[24] LOGMSTAR_WISE      FLOAT  M* from CAAPR WISE 3.6um (assuming M/L=0.47)
[25] LOGMSTAR_WISE_ERR  FLOAT  Error on LOGMSTAR_WISE
[26] LOGMSTAR_MPAJHU    FLOAT  M* from MPA/JHU catalog
[27] LOGMSTAR_MPAJHU_ERR  FLOAT  Error on LOGMSTAR_MPAJHU
[28] LOGMSTAR_BC03      FLOAT  M* from SDSS DR10, Wisconsin method+BC03
[29] LOGMSTAR_BC03_ERR  FLOAT  Error on LOGMSTAR_BC03

# -----#
# Size and morphology
# -----#
[30] LOGMUST         FLOAT      Stellar mass surface density [log Msun/kpc^2]

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(calculated as  $\log(\mu^*) = \log(M^*/(2\pi r_{50,z}^2))$ , where  $M^*$  is from MAGPHYS )

[31]	CINDEX	FLOAT	Concentration index (ratio of r-band Petrosian R90 and R50)
[32]	AXISRATIO	FLOAT	b/a from SDSS 2D exponential fit in r-band
[33]	INCL	FLOAT	Disc inclination [degrees]
[34]	PETRORAD_KPC	FLOAT	SDSS r-band Petrosian radius [kpc]
[35]	PETROR50_KPC	FLOAT	SDSS r-band Petrosian R50 [kpc]
[36]	MORPH_ZOO	INT	Morphology from Galaxy Zoo or Choi+11(1-> spiral, 2-> elliptical)
[37]	MORPH_JINGLE	INT	JINGLE consensus morphology, comparing classifications from NED, Tempel+14, Kuminski+16 and Galaxy Zoo + visual inspection for galaxies where these four sources were inconsistent (1-> spiral, 2-> elliptical)
[38]	MORPH_TEMPEL14	INT	Morphology from Tempel+14 (-9-> no data, 0-> uncertain, 1-> spiral, 2-> elliptical)

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# **Star formation rate**

# note: all the SFRs are given in units of  $\log(\text{Msun/yr})$  and for a Chabrier IMF

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[39]	LOGSFR_MAGPHYS	FLOAT	SFR from MAGPHYS and CAAPR photometry
[40]	LOGSFR_MAGPHYS_ERR	FLOAT	Error on LOGSFR_MAGPHYS
[41]	LOGSFR_GRASIL	FLOAT	SFR from GRASIL and CAAPR photometry
[42]	LOGSFR_MPAJHU	FLOAT	SFR from SDSS MPA/JHU catalog
[43]	LOGSFR_MPAJHU_ERR	FLOAT	Error on LOGSFR_MPAJHU
[44]	LOGSFR_IRFUV	FLOAT	SFR from WISE 12um + GALEX FUV (CAAPR)
[45]	LOGSFR_IRFUV_ERR	FLOAT	Error on LOGSFR_IRUV
[46]	LOGSFR_FUVCE01	FLOAT	SFR from FUV + LTIR using CE01 templates
[47]	LOGSFR_FUVCE01_ERR	FLOAT	Error on LOGSFR_FUVCE01
[48]	LOGSFR_FUVJRM	FLOAT	SFR from FUV + LTIR using JRM templates
[49]	LOGSFR_FUVJRM_ERR	FLOAT	Error on LOGSFR_FUVJRM
[50]	AIRX	FLOAT	A_IRX from CAAPR photometry
[51]	FUVK	FLOAT	FUV-Ks colour from CAAPR photometry

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# **Environment and morphology**

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[52]	LOGMHALO_TEMPEL14	FLOAT	Halo mass from Tempel+14 catalog [ $\log \text{Msun}$ ] for galaxies classified as central or satellite
[53]	GROUPRANK_TEMPEL14	INT	Ranking of the galaxy in its group, from Tempel+14
[54]	GROUPCLASS	INT	Classification based on Tempel+14 (1-> isolated, 2-> central, 3-> satellite)

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