Columns for DP-late_type-H2.xlsx

Column 1: Galaxy name
Column 2: H_2 mass in $M_\odot$ within the radius r_{25}[(1)] derived from CO observations, assuming the constant conversion factor X_{CO} = 2 x 10^{20} cm^{-2} (K km s^{-1})$^{-1}$ with ±30% uncertainty from Bolatto et al. (2013). See Casasola et al. (2020) for details[(2)].
Column 3: Uncertainty in H_2 mass $M_\odot$ calculated as the quadrature sum of the uncertainty on the CO emission line flux and on the X_{CO} conversion factor. See Casasola et al. (2020) for details.
Column 4: Type of H_2 mass data. Code 0 = detection, Code -1 = upper limit.

(1) r_{25} is the isophotal radius at which the optical surface brightness falls beneath 25 mag $arcsec^{-2}$.
(2) If requested, H_2 masses are also available under the assumption of the metallicity-dependent X_{CO} according to the calibration of Amorín et al. (2016). See Casasola et al. (2020) for details.

Please do not hesitate to contact us (viviana.casasola@inaf.it) if you intend to use the data for scientific analysis. The following acknowledgement would be appreciated: "This work made use of the H_2 mass data of DustPedia late-type galaxies (Casasola et al. 2020; Davies et al. 2017)."

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