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Erratum: Dark matter and IMF normalization in Virgo dwarf early-type galaxies

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Key words: errata, addenda – galaxies: dwarf – galaxies: elliptical and lenticular, cD – galaxies: evolution – galaxies: general – galaxies: kinematics and dynamics.

This is an erratum of the paper ‘Dark Matter and IMF normalization in Virgo dwarf early-type galaxies’, published in MNRAS, 2016, 455, 308. We have realized that the green curves mentioned in the caption of Fig. 1, plotting the range of $f_{\text{DM}}(R_e)$ and δ_{IMF} values found if the Sérsic index, n , is varied from 0.5 to 2, have been omitted in the published version of the figure. The complete, corrected, version of Fig. 1 is provided below.

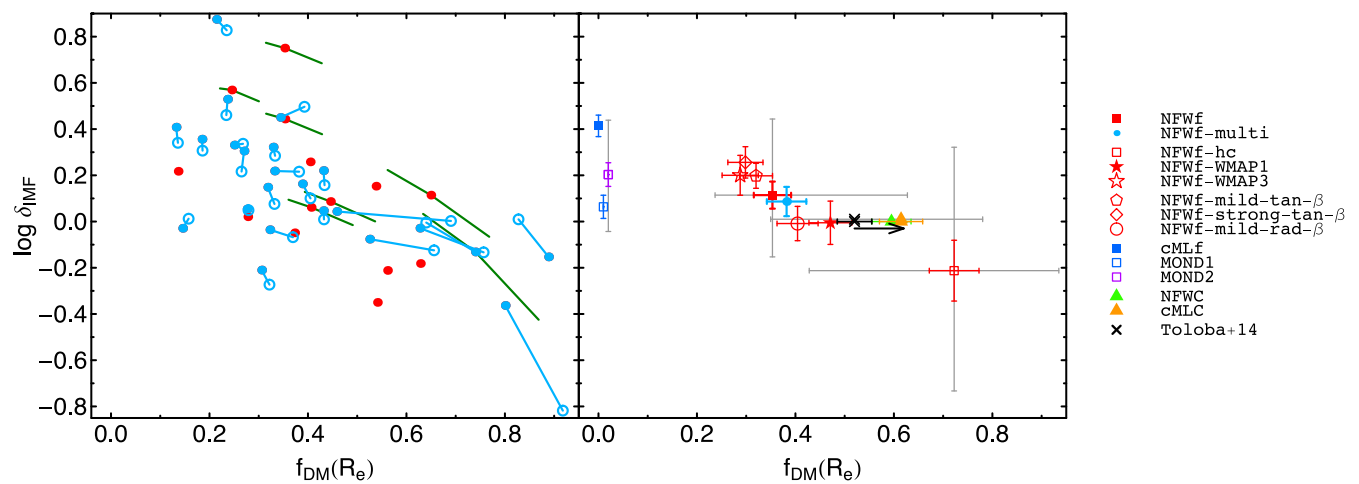


Figure 1. IMF normalization, δ_{IMF} , versus effective ($< 1 R_e$) DM fraction, f_{DM} . Left: results of the NFWf model for individual galaxies. For systems with no Sérsic index available from Janz et al. (2014), we plot the range of values found if n is varied from 0.5 to 2 (dark-green curves). Cyan symbols correspond to galaxies with either a single (dots) or double-Sérsic (open circles) fit available. Different cyan symbols are connected by cyan lines to highlight the effect of changing the parametrization of the light profile on our results. Red points are for galaxies for which only single-fit parameters are available. Right: medians and standard errors of the median are plotted for different models (see table 1): NFWf (filled red square), NFWf-multi (cyan dot), NFWf-hc (open red square), NFWf-WMAP1 (filled red star), NFWf-WMAP3 (open red star), NFWf-mild-tan- β (open red pentagon), NFWf-strong-tan- β (open red diamond), NFWf-mild-rad- β (open red circle), cMLf (filled blue square), MOND1 (open blue square), MOND2 (open violet square), NFWC (green triangle) and cMLC (orange triangle). For few representative models, the 16th-84th quantiles of the distributions are also shown as grey error bars. The median f_{DM} and the standard errors of the median from T+14 are shown as a black cross and error bars, and the change after uniforming the definition for M_{dyn} and M_* to ours is outlined with a black horizontal arrow. Legend for the symbols plotted in the right-hand panel is also shown.

REFERENCE

Janz J. et al., 2014, ApJ, 786, 105

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