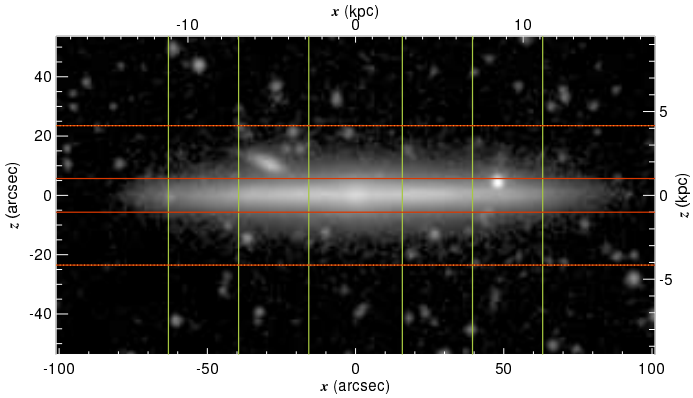
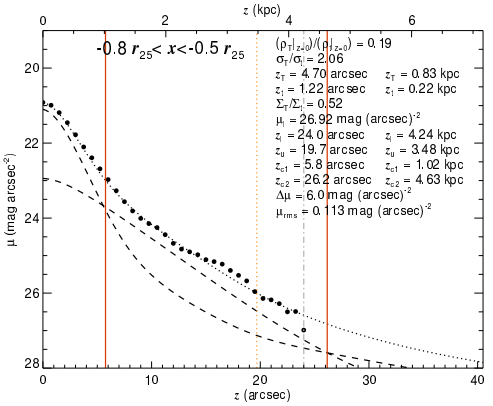
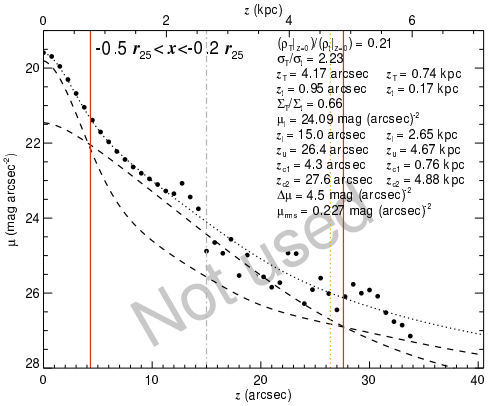
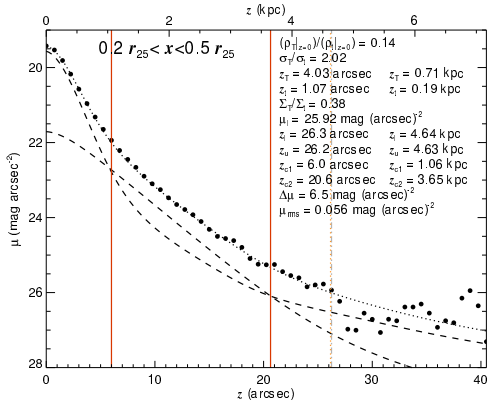
UGC 7522

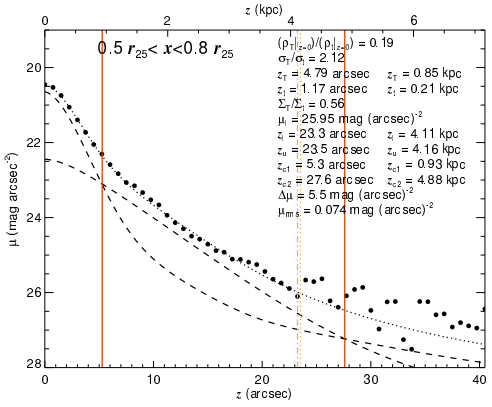


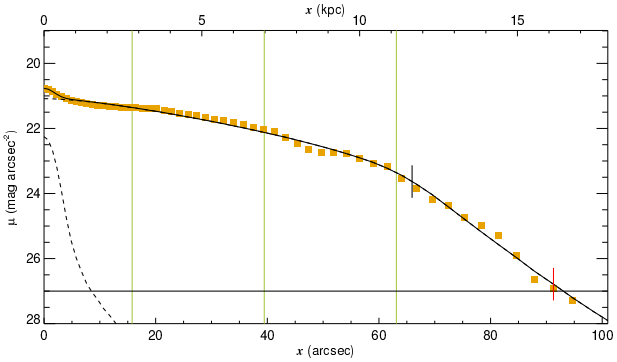
RA (J2000.0)	$12^{h}25^{m}58\overset{s}{.}36$
Dec (J2000.0)	$+03°25'49\overset{''}{.}0$
r_{25}	$78\overset{''}{.}9$
PA	$128\overset{\circ}{.}7$
$M_{3.6\mu m}$(AB)	-20.327
d	36.48 Mpc (2)
v_c	154 km s^{-1} (3)
Mean z_{c1}	$5\overset{''}{.}7$
Mean z_{c2}	$23\overset{''}{.}5$
Mean z_u	$23\overset{''}{.}5$

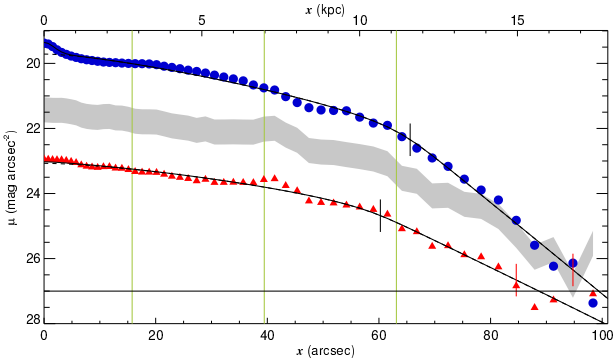












CMC properties
$r_{CMC} = 1\overset{''}{.}91$
$n = 0.55$

Total profile	Thin disc profile	Thick disc profile
Type II	Type II	Type II
$h_1 = 26\overset{''}{.}9$	$h_1 = 26\overset{''}{.}1$	$h_1 = 39\overset{''}{.}4$
$h_2 = 7\overset{''}{.}4$	$h_2 = 7\overset{''}{.}4$	$h_2 = 12\overset{''}{.}1$
$r_{12} = 65\overset{''}{.}9$	$r_{12} = 65\overset{''}{.}6$	$r_{12} = 60\overset{''}{.}3$

Component masses
$\mathcal{M}_g = 5.69 \times 10^9\ \mathcal{M}_\odot$
$\mathcal{M}_t = 14.02 \times 10^9\ \mathcal{M}_\odot$
$\mathcal{M}_T = 6.29 \times 10^9\ \mathcal{M}_\odot$
$\mathcal{M}_{CMC} = 0.57 \times 10^9\ \mathcal{M}_\odot$

Disc scale-heights
$z_t = 1\overset{''}{.}2$
$z_T = 4\overset{''}{.}5$