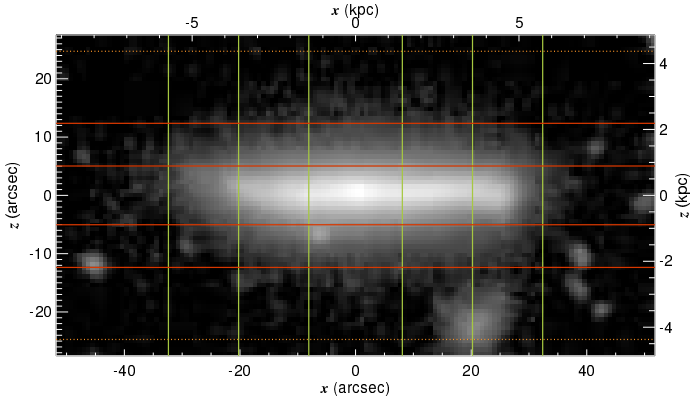
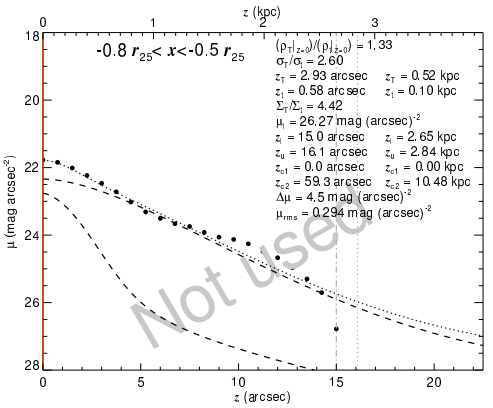
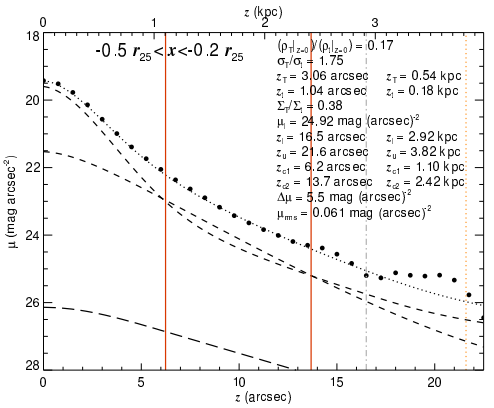
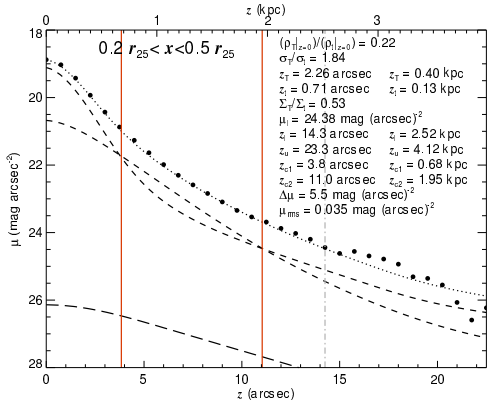
IC 1553

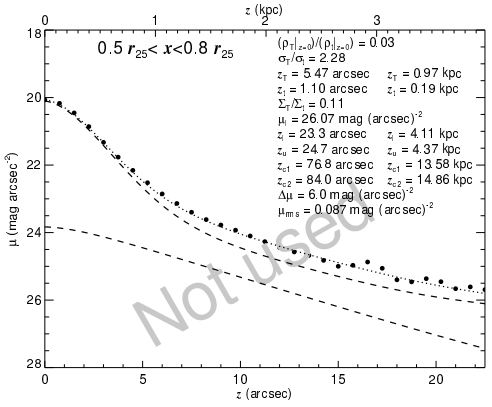


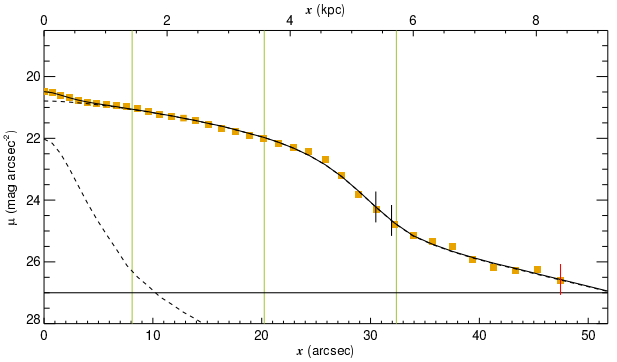
RA (J2000.0)	$00^{h}32^{m}40\overset{s}{.}12$
Dec (J2000.0)	$-25°36'27\overset{''}{.}1$
r_{25}	$40\overset{''}{.}5$
PA	15°0
$M_{3.6\mu m}$(AB)	-19.840
d	36.48 Mpc (2)
v_c	128 km s^{-1} (3)
Mean z_{c1}	$5\overset{''}{.}0$
Mean z_{c2}	$12\overset{''}{.}4$
Mean z_u	$24\overset{''}{.}7$

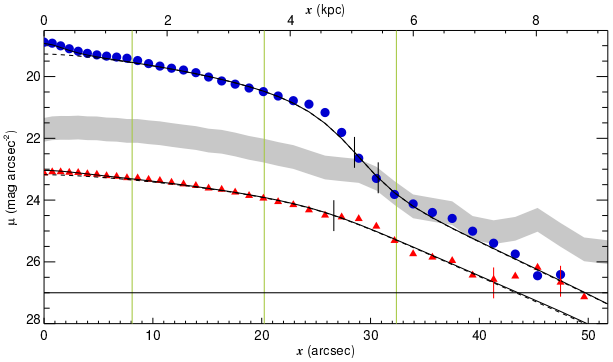












CMC properties
$r_{CMC} = 1\overset{''}{.}14$
$n = 0.99$

Total profile Type II+III
$h_1 = 14\overset{''}{.}6$
$h_2 = 0\overset{''}{.}4$
$h_3 = 12\overset{''}{.}8$
$r_{12} = 30\overset{''}{.}5$
$r_{23} = 31\overset{''}{.}9$

Thin disc profile Type II+III
$h_1 = 15\overset{''}{.}8$
$h_2 = 0\overset{''}{.}8$
$h_3 = 6\overset{''}{.}0$
$r_{12} = 28\overset{''}{.}5$
$r_{23} = 30\overset{''}{.}7$

Thick disc profile Type II
$h_1 = 23\overset{''}{.}1$
$h_2 = 6\overset{''}{.}5$
$r_{12} = 26\overset{''}{.}6$

Component masses
$\mathcal{M}_g = 2.96 \times 10^9\ \mathcal{M}_\odot$
$\mathcal{M}_t = 8.63 \times 10^9\ \mathcal{M}_\odot$
$\mathcal{M}_T = 4.00 \times 10^9\ \mathcal{M}_\odot$
$\mathcal{M}_{CMC} = 0.77 \times 10^9\ \mathcal{M}_\odot$

Disc scale-heights
$z_t = 0\overset{''}{.}9$
$z_T = 2\overset{''}{.}7$