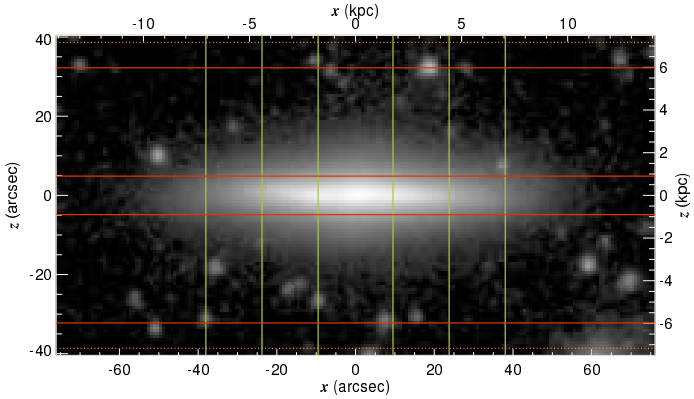
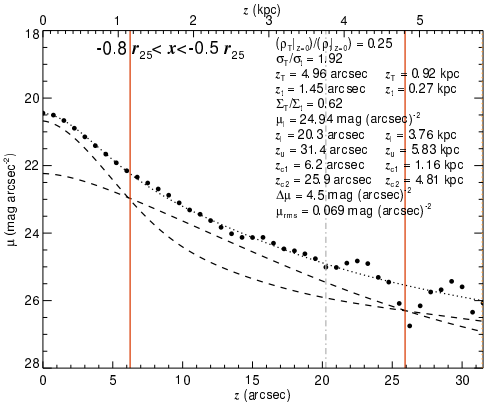
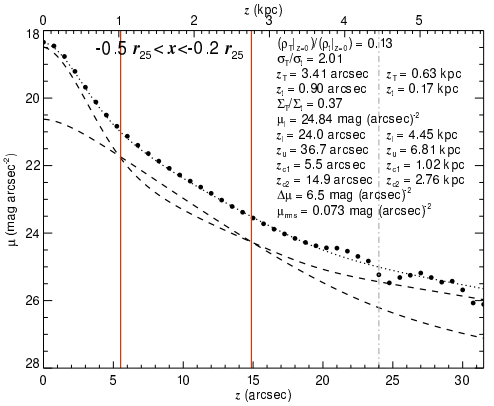
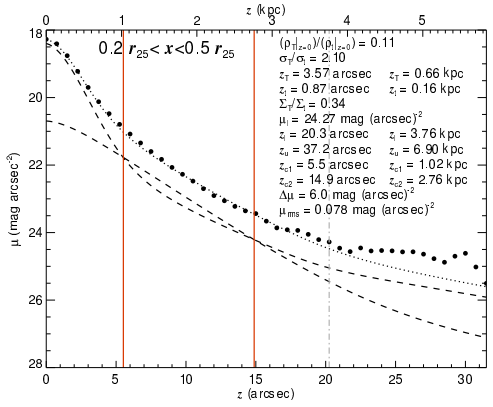


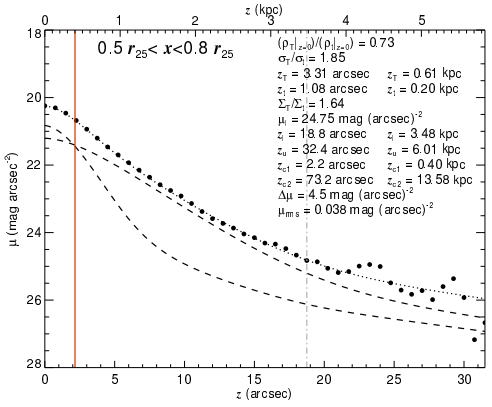
NGC 4749

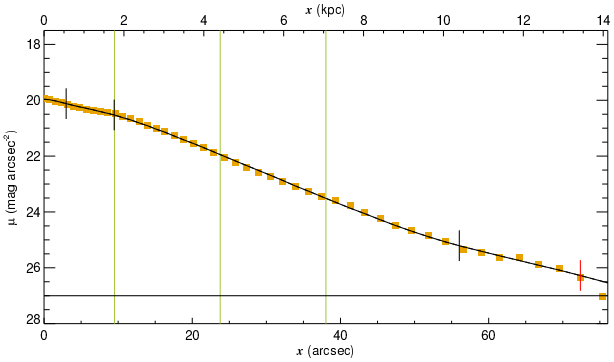
RA (J2000.0)	$12^{h}51^{m}11\overset{s}{.}97$
Dec (J2000.0)	$+71°38'12\overset{''}{.}2$
r_{25}	$47\overset{''}{.}5$
PA	156°.4
$M_{3.6\mu m}$(AB)	-21.088
d	38.27 Mpc (2)
v_c	167 km s^{-1} (3)
Mean z_{c1}	$4\overset{''}{.}9$
Mean z_{c2}	$32\overset{''}{.}2$
Mean z_u	$38\overset{''}{.}6$

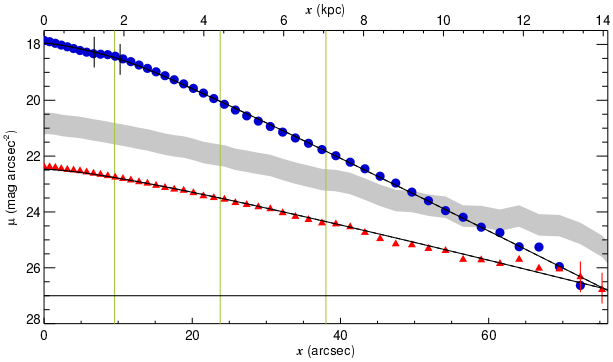












CMC properties
No CMC

Total profile
Type III+II+III
$h_1 = 2\overset{''}{.}5$
$h_2 = -30122\overset{''}{.}0$
$h_3 = 8\overset{''}{.}2$
$h_4 = 14\overset{''}{.}9$
$r_{12} = 3\overset{''}{.}0$
$r_{23} = 9\overset{''}{.}5$
$r_{34} = 56\overset{''}{.}0$

Thin disc profile
Type III+II
$h_1 = 9\overset{''}{.}3$
$h_2 = 41\overset{''}{.}2$
$h_3 = 7\overset{''}{.}8$
$r_{12} = 6\overset{''}{.}8$
$r_{23} = 10\overset{''}{.}3$

Thick disc profile
Type I
$h_1 = 15\overset{''}{.}1$

Component masses
$\mathcal{M}_g = 1.71 \times 10^9\ \mathcal{M}_\odot$
$\mathcal{M}_t = 28.80 \times 10^9\ \mathcal{M}_\odot$
$\mathcal{M}_T = 13.18 \times 10^9\ \mathcal{M}_\odot$
$\mathcal{M}_{CMC} \sim 0$

Disc scale-heights
$z_t = 1\overset{''}{.}1$
$z_T = 3\overset{''}{.}8$