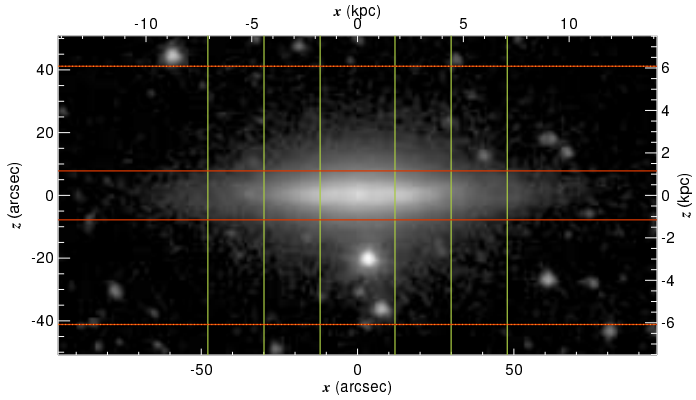
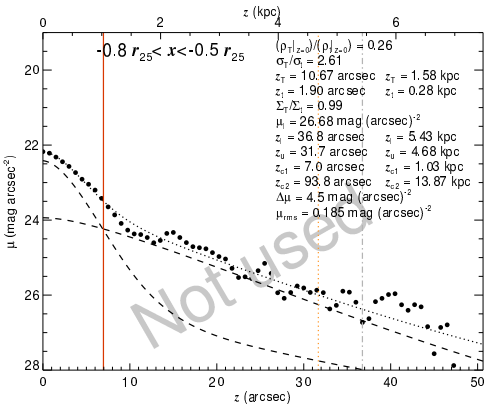
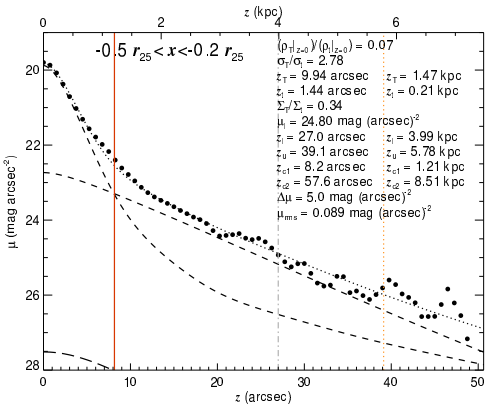
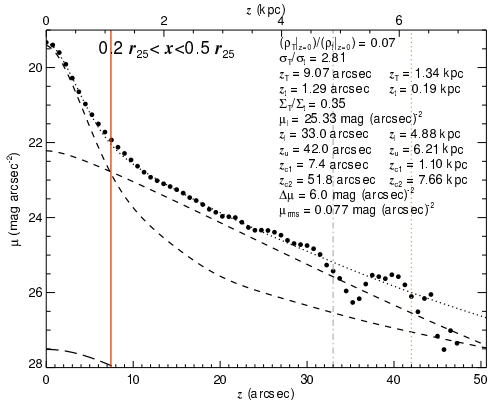


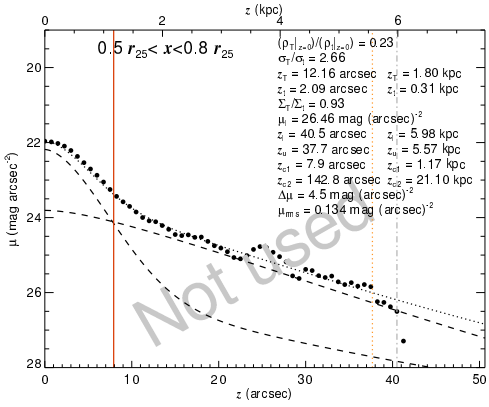
ESO 407-7

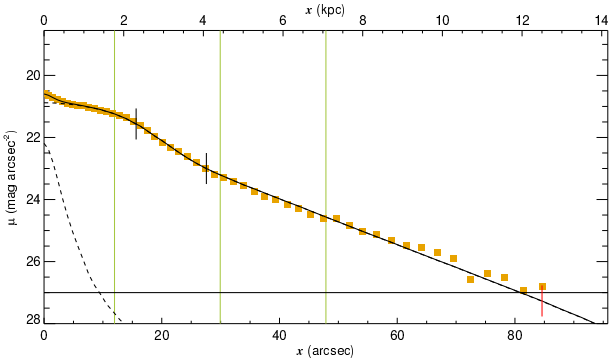
RA (J2000.0)	$23^{h}09^{m}39\overset{s}{.}40$
Dec (J2000.0)	$-36°25'12\overset{''}{.}3$
r_{25}	$59\overset{''}{.}9$
PA	168°1
$M_{3.6\mu m}$(AB)	-20.095
d	30.48 Mpc (2)
v_c	130 km s^{-1} (3)
Mean z_{c1}	$7\overset{''}{.}8$
Mean z_{c2}	$41\overset{''}{.}2$
Mean z_u	$41\overset{''}{.}2$

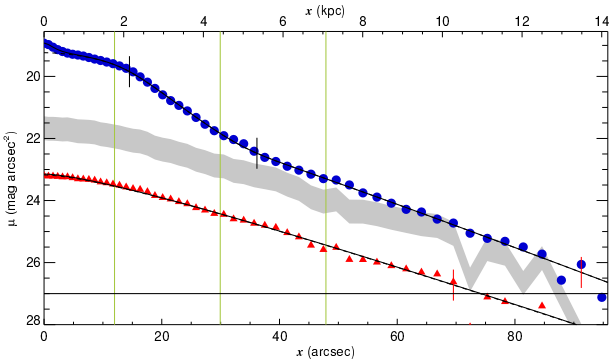












CMC properties
$r_{CMC} = 0\overset{''}{.}67$
$n = 1.22$

Total profile
Type II+III
$h_1 = 47\overset{''}{.}7$
$h_2 = 5\overset{''}{.}4$
$h_3 = 12\overset{''}{.}4$
$r_{12} = 15\overset{''}{.}6$
$r_{23} = 27\overset{''}{.}6$

Thin disc profile
Type II+III
$h_1 = 46\overset{''}{.}7$
$h_2 = 6\overset{''}{.}5$
$h_3 = 14\overset{''}{.}2$
$r_{12} = 14\overset{''}{.}5$
$r_{23} = 36\overset{''}{.}2$

Thick disc profile
Type I
$h_1 = 16\overset{''}{.}2$

Component masses
$\mathcal{M}_g = 1.97 \times 10^9\ \mathcal{M}_\odot$
$\mathcal{M}_t = 11.91 \times 10^9\ \mathcal{M}_\odot$
$\mathcal{M}_T = 4.10 \times 10^9\ \mathcal{M}_\odot$
$\mathcal{M}_{CMC} = 0.74 \times 10^9\ \mathcal{M}_\odot$

Disc scale-heights
$z_t = 1\overset{''}{.}4$
$z_T = 9\overset{''}{.}5$