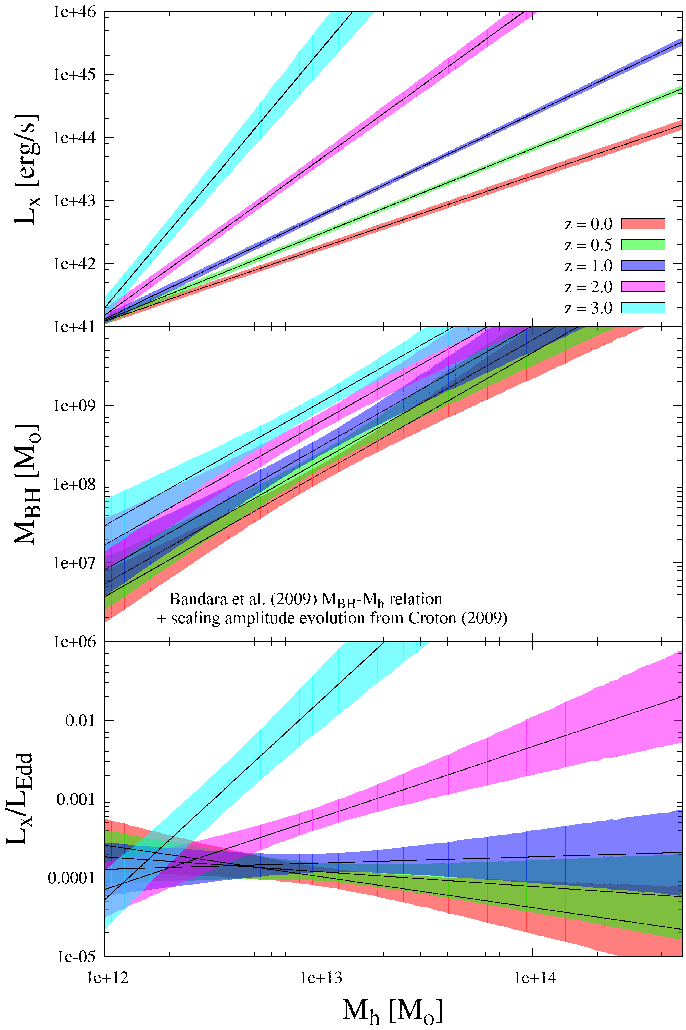
1e+46
1e+45
1e+44
1e+43
1e+42
1e+41
L_X [erg/s]
z = 0.0
z = 0.5
z = 1.0
z = 2.0
z = 3.0
1e+09
1e+08
1e+07
M_{BH} [M_O]
Bandara et al. (2009) M_{BH}-M_h relation
+ scaling amplitude evolution from Croton (2009)
1e+06
0.01
0.001
0.0001
1e-05
L_X/L_{Edd}
1e+12
1e+13
1e+14
M_h [M_O]