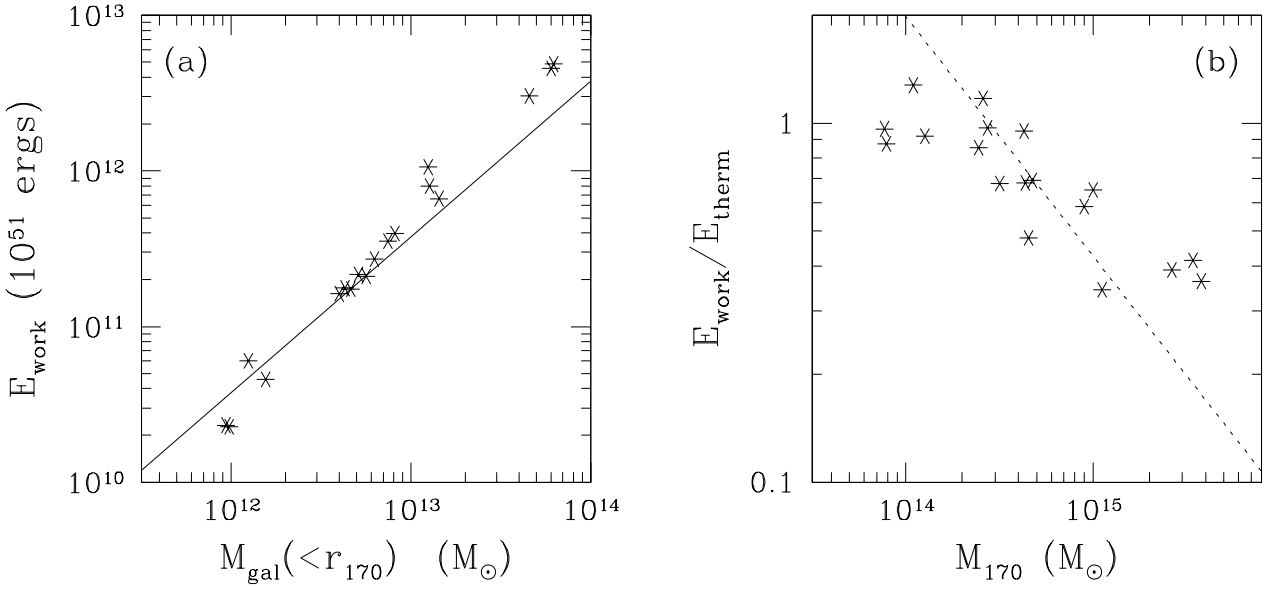
(a)
10^{13}
10^{12}
10^{11}
10^{10}
E_{work} (10^{51} ergs)
10^{12}
10^{13}
10^{14}
$M_{gal}(<r_{170})$ ($M_\odot$)
(b)
1
0.1
E_{work}/E_{therm}
10^{14}
10^{15}
M_{170} ($M_\odot$)