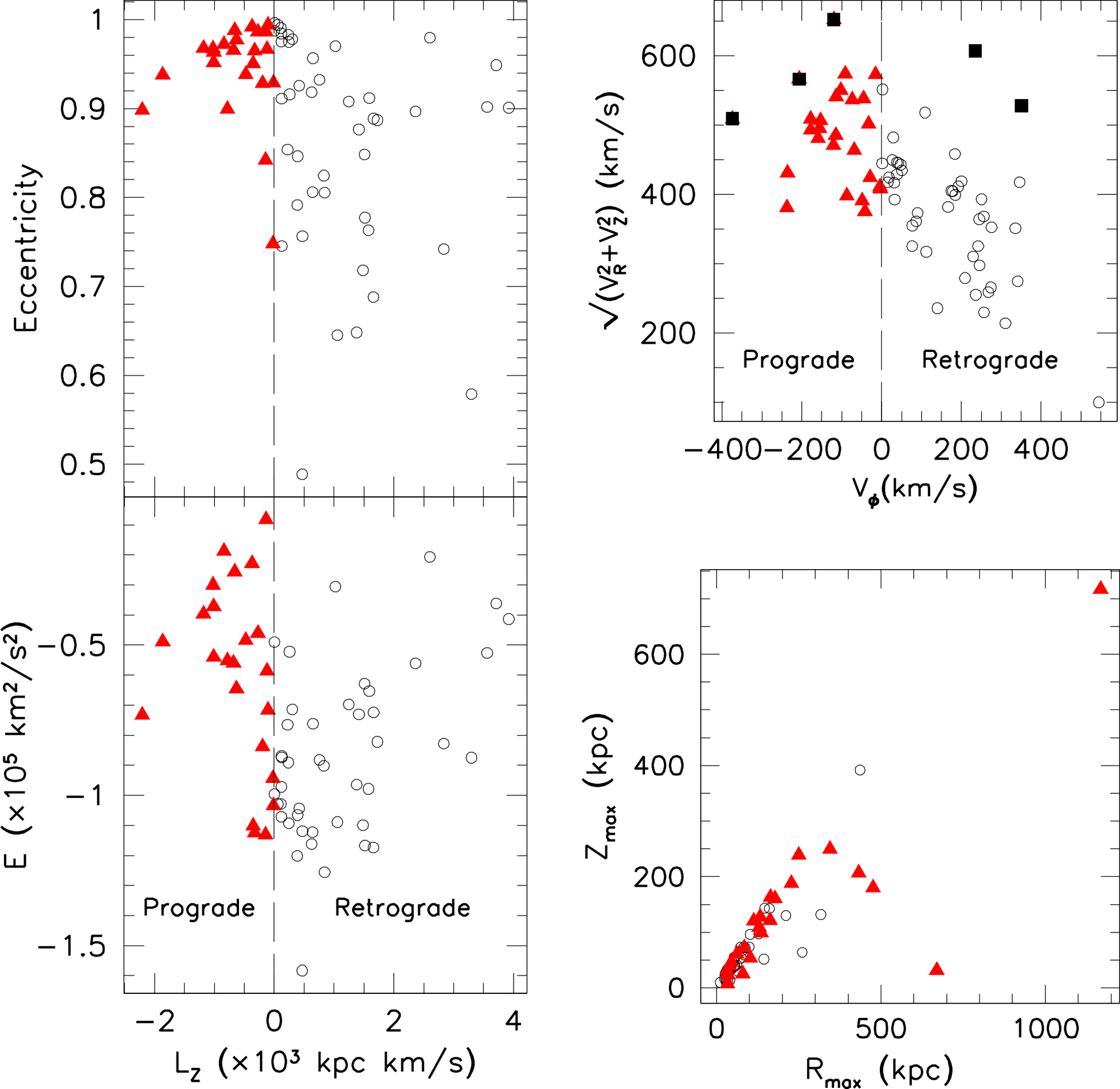
Eccentricity
1
0.9
0.8
0.7
0.6
0.5
$\sqrt{(V_R^2+V_Z^2)}$ (km/s)
600
400
200
Prograde
Retrograde
−400
−200
0
200
400
V_ϕ(km/s)
E ($\times 10^5$ km^2/s^2)
−0.5
−1
−1.5
Prograde
Retrograde
−2
0
2
4
L_z ($\times 10^3$ kpc km/s)
Z_{max} (kpc)
600
400
200
0
0
500
1000
R_{max} (kpc)