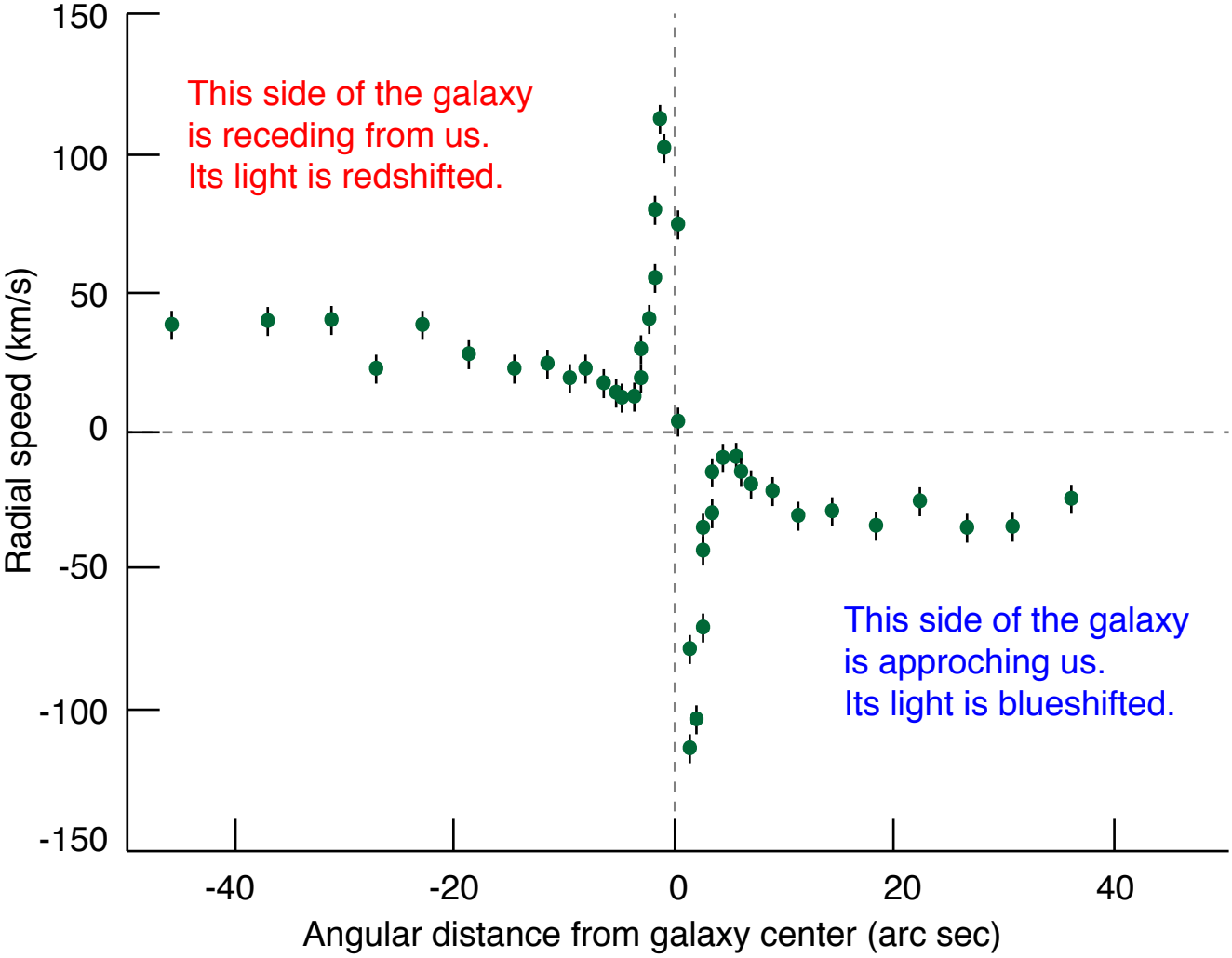
This side of the galaxy
is receding from us.
Its light is redshifted.
This side of the galaxy
is approching us.
Its light is blueshifted.
Radial speed (km/s)
150
100
50
0
-50
-100
-150
-40
-20
0
20
40
Angular distance from galaxy center (arc sec)