Evidence for Dark Matter



Rotation of galaxies

Velocities of stars in dwarf galaxies





Hot gas in galaxy clusters



Collisions of galaxy clusters



Galaxy
interactions



Dark energy survey

Gravitational lensing

$$\left. rac{\Omega_{
m DM}}{\Omega_{
m B}} \right|_{
m CMB} = \left. rac{\Omega_{
m DM}}{\Omega_{
m B}} \right|_{t_0} = rac{1}{2}$$