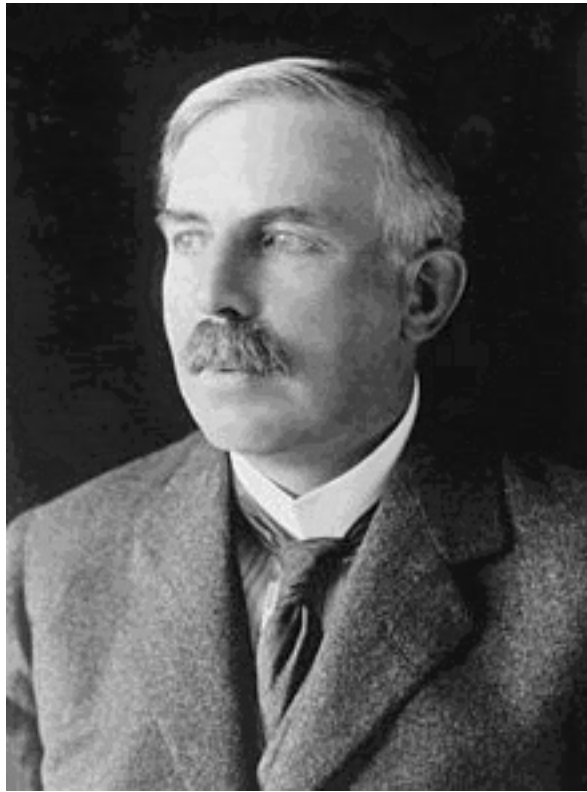
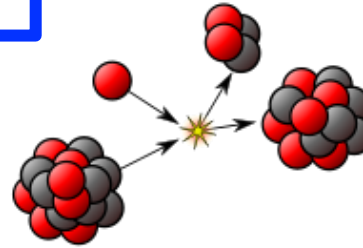




Ernest Rutherford 1871-1937

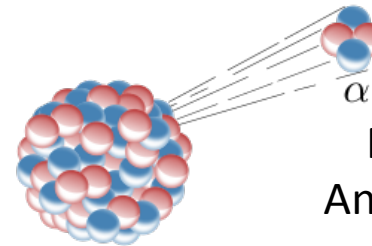
New Zealand
Britany

Nobel 1908



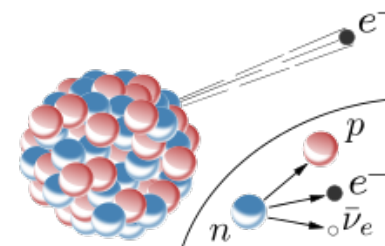
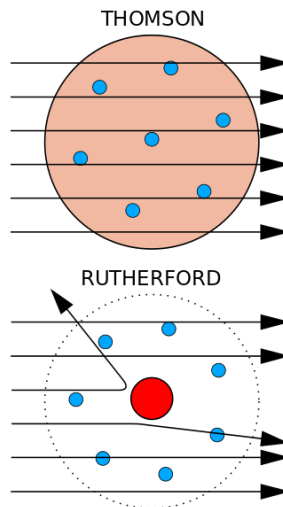
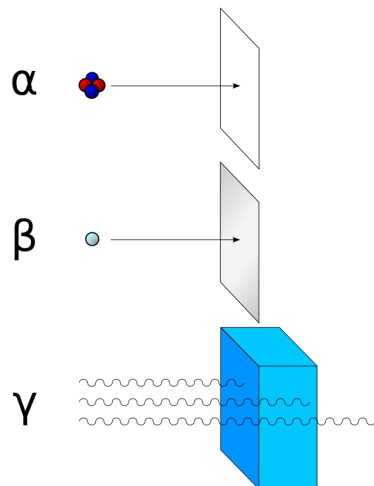
Nuclear Fision by a neutron

Scattering from
gold foils:
Disproved
Thomson's
plum cake model



Radioactive disintegration
And emission of Alpha particle
(helium atom nucleus)

Penetration of various
Radiations through matter



Radioactive decay
And proton emission,
Beta particl (electron)
And Gamma radiation.