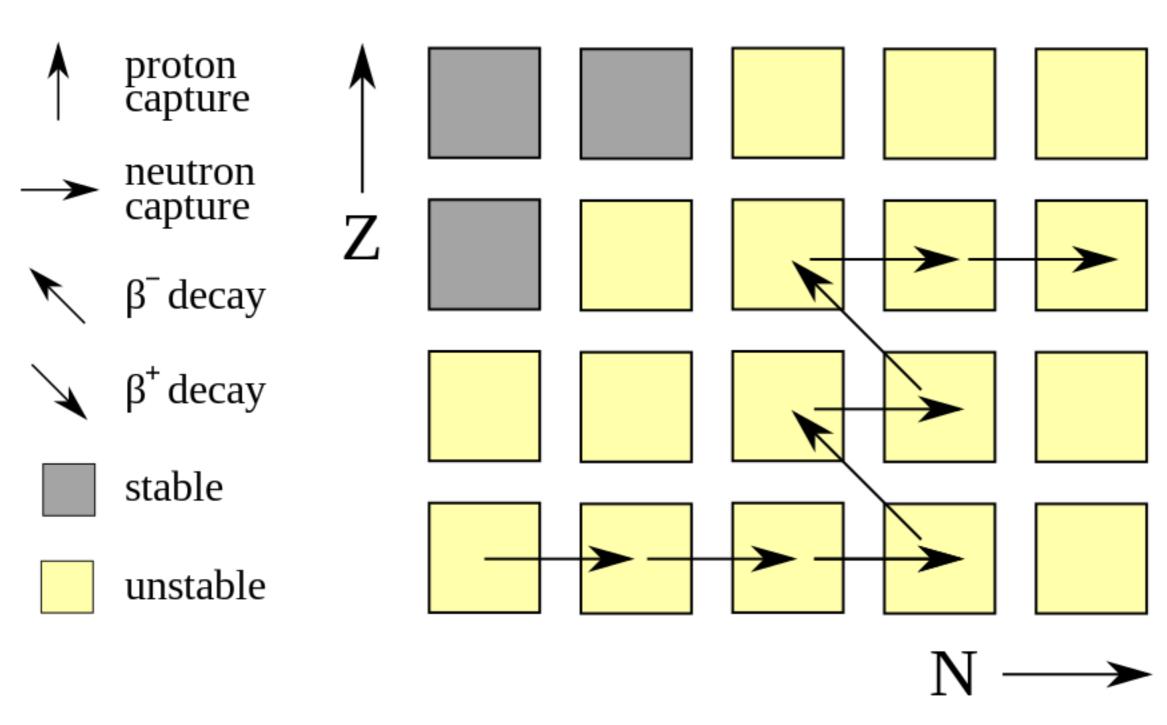
r-process rapid neutron captures

 $X(n,\gamma)Y$



synthesis of neutron-rich nuclei A > 60