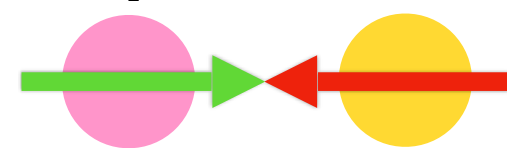
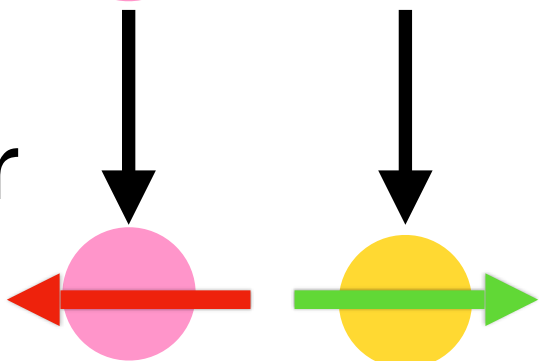


Spin State
up down



Spin
Flipper

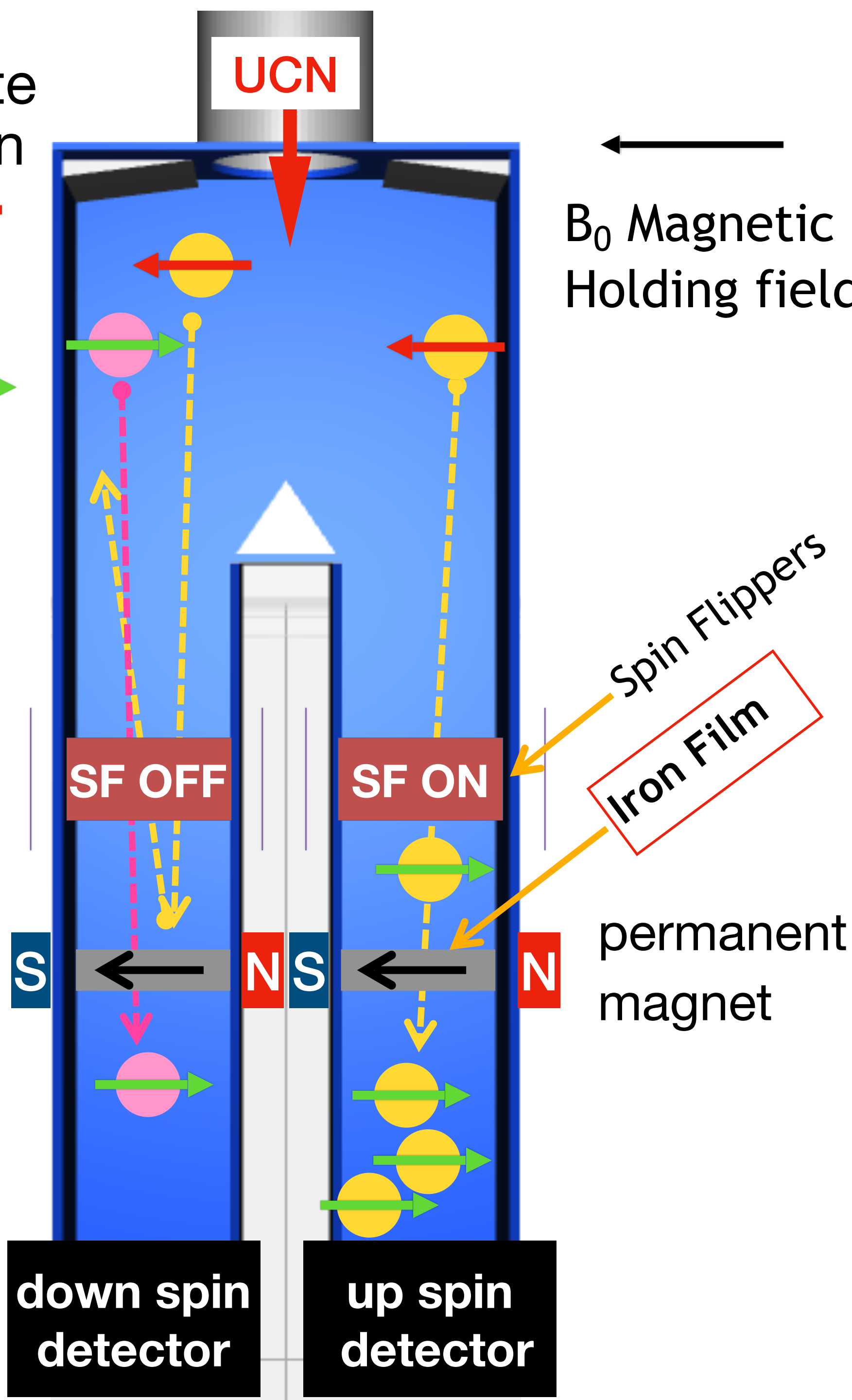


down up

UCN



B_0 Magnetic
Holding field



Spin Flippers

Iron Film

permanent
magnet

down spin
detector

up spin
detector