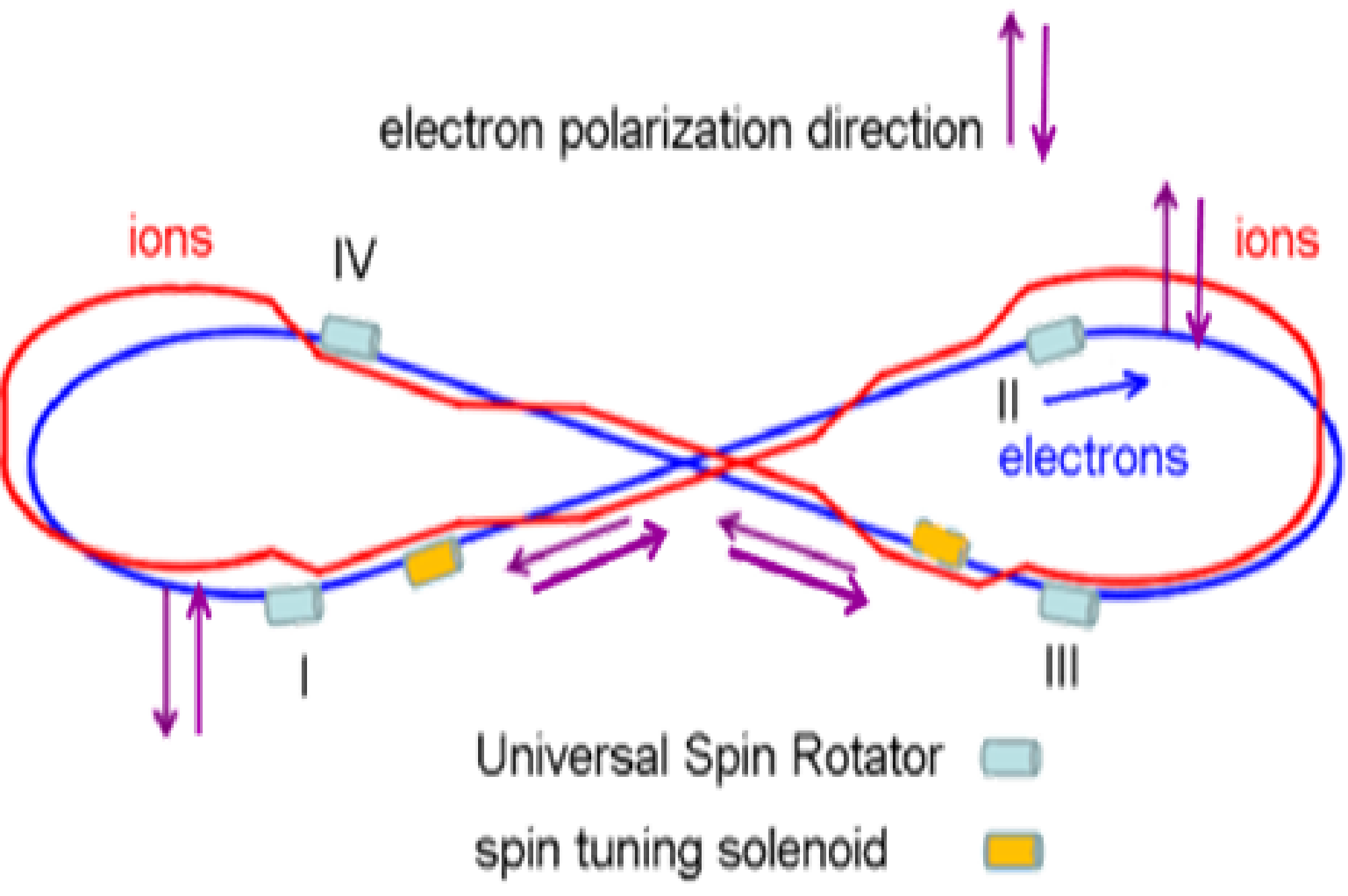
electron polarization direction
ions
IV
ions
II
electrons
I
III
Universal Spin Rotator
spin tuning solenoid