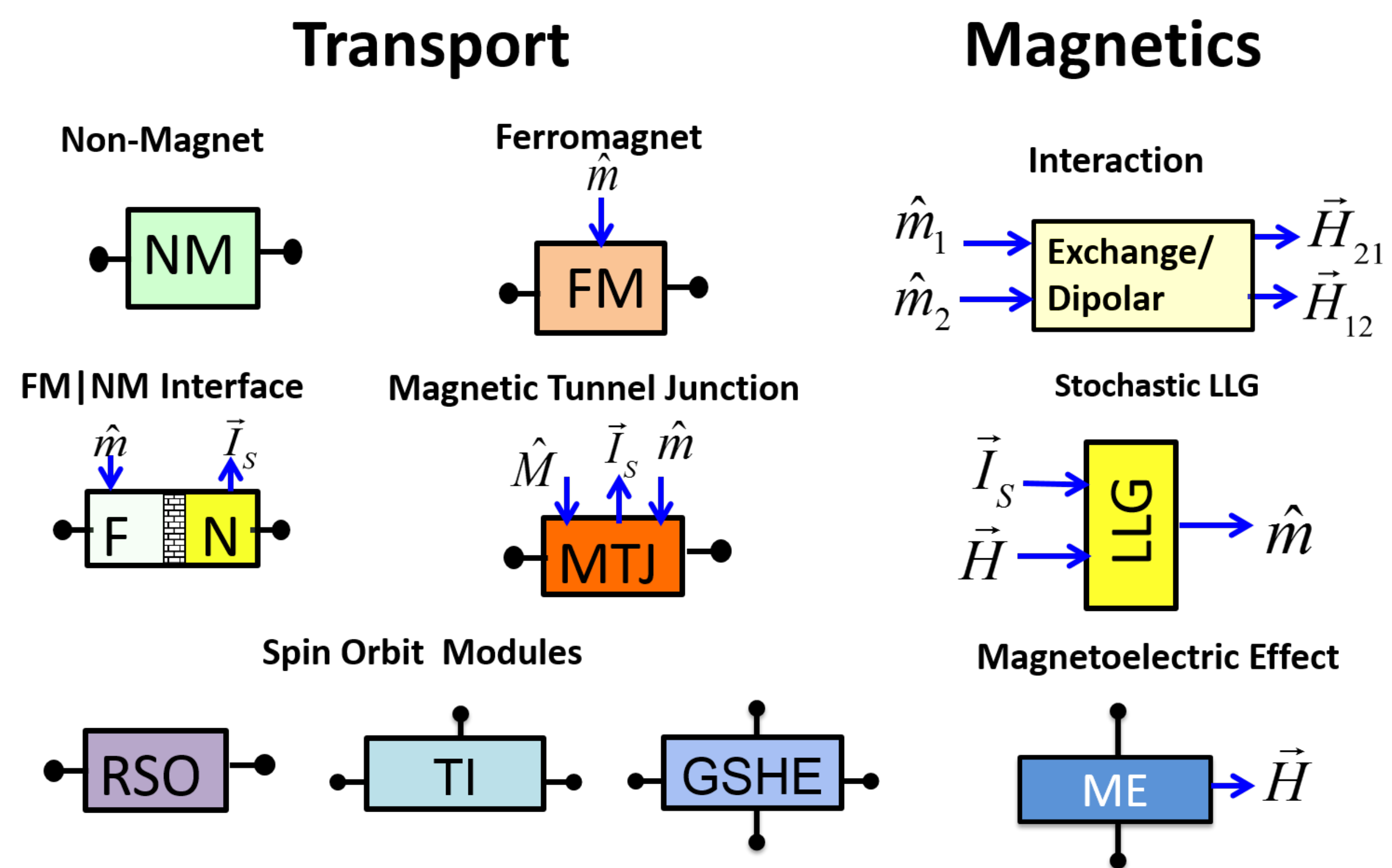
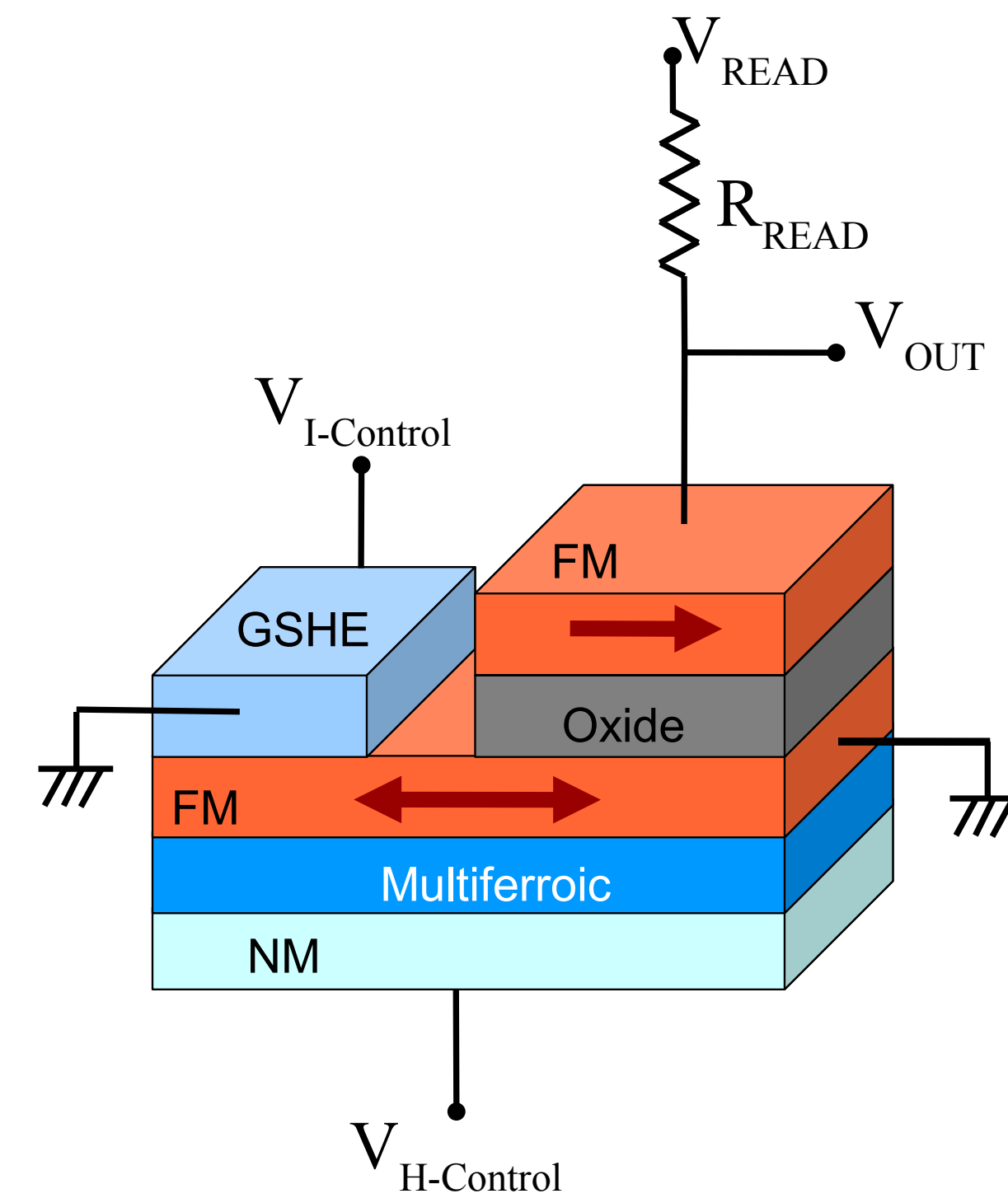




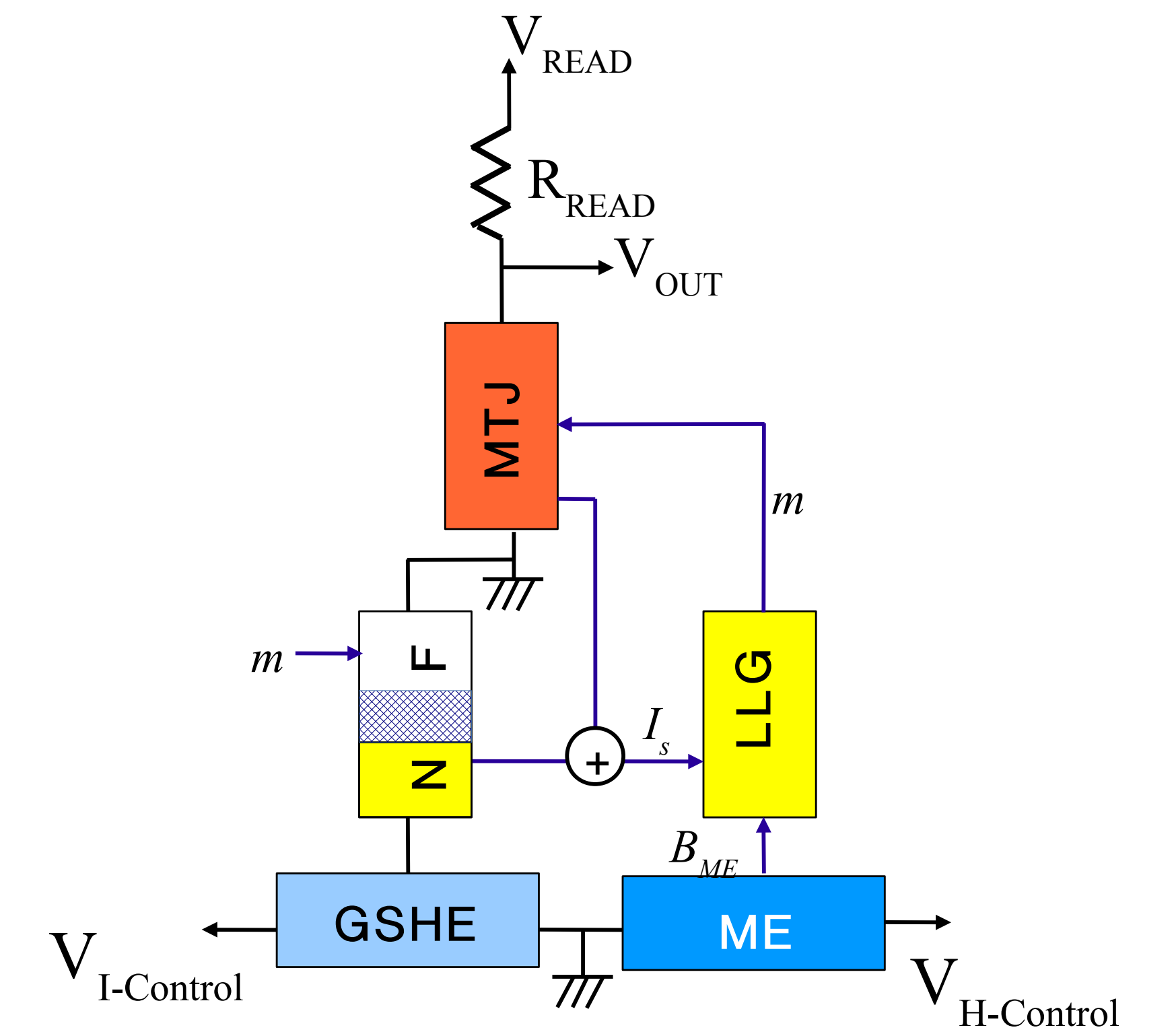
Modular Approach to Spintronics



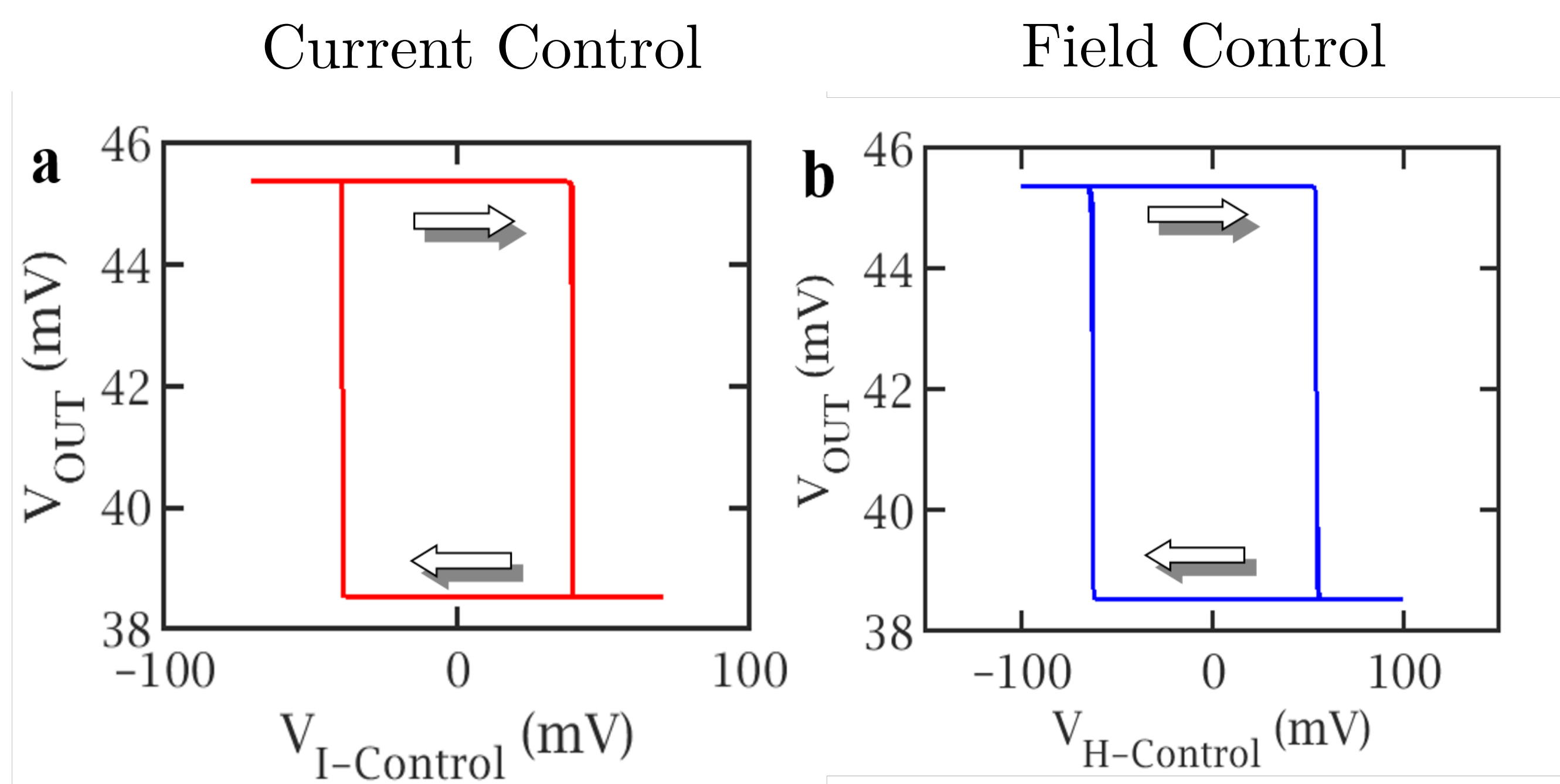
Oscillator Design



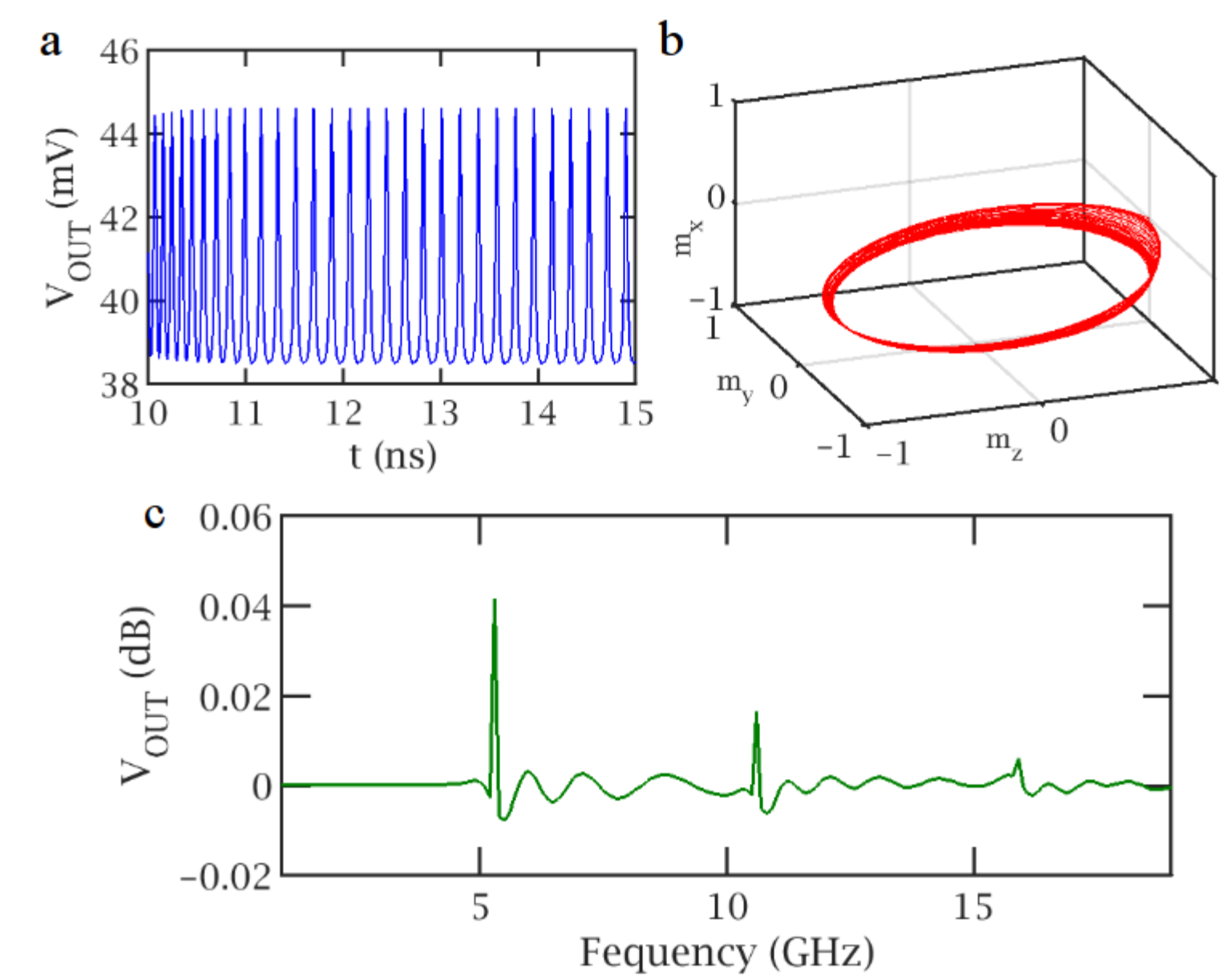
Spin-Circuit Model



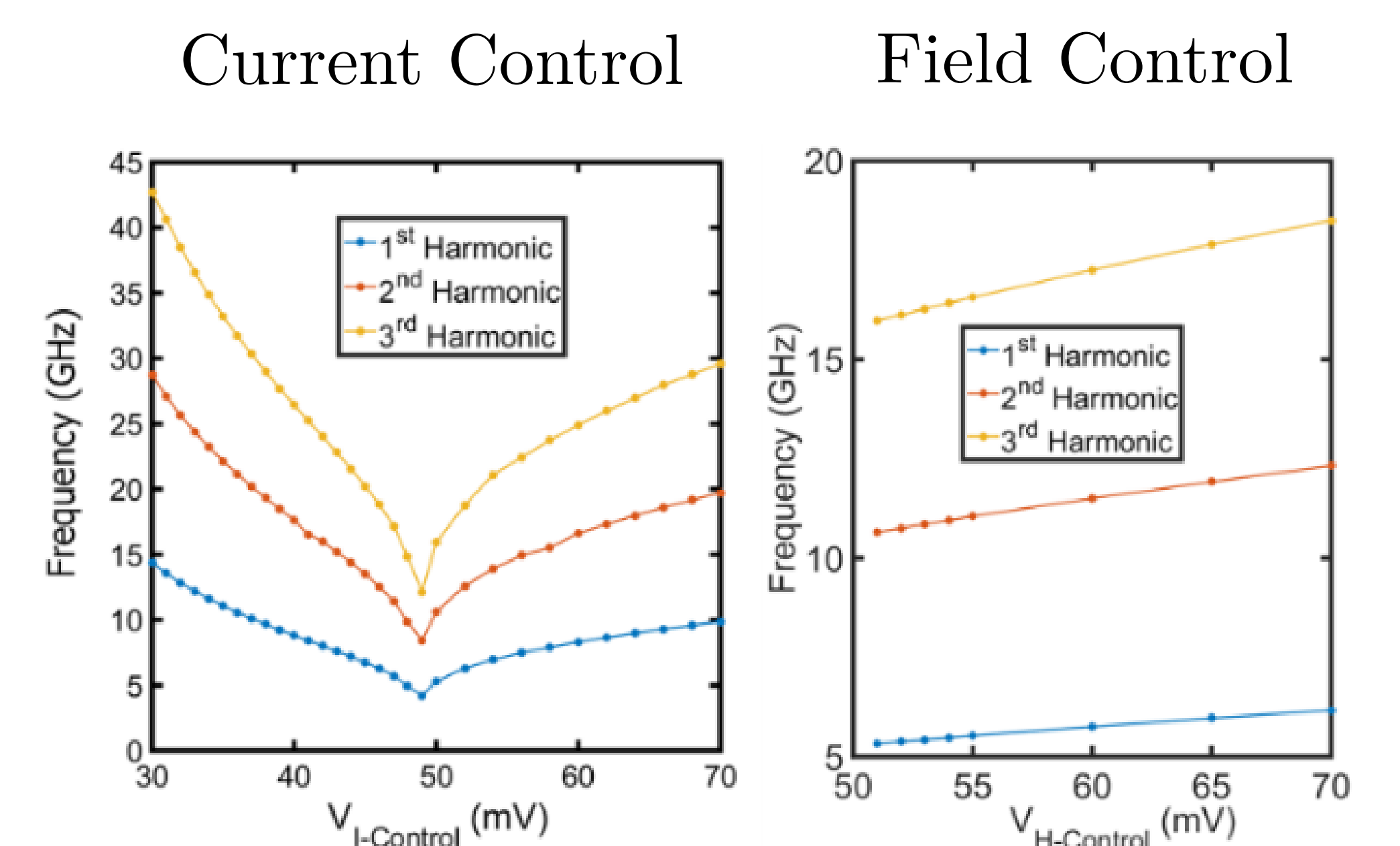
Dual Device Control



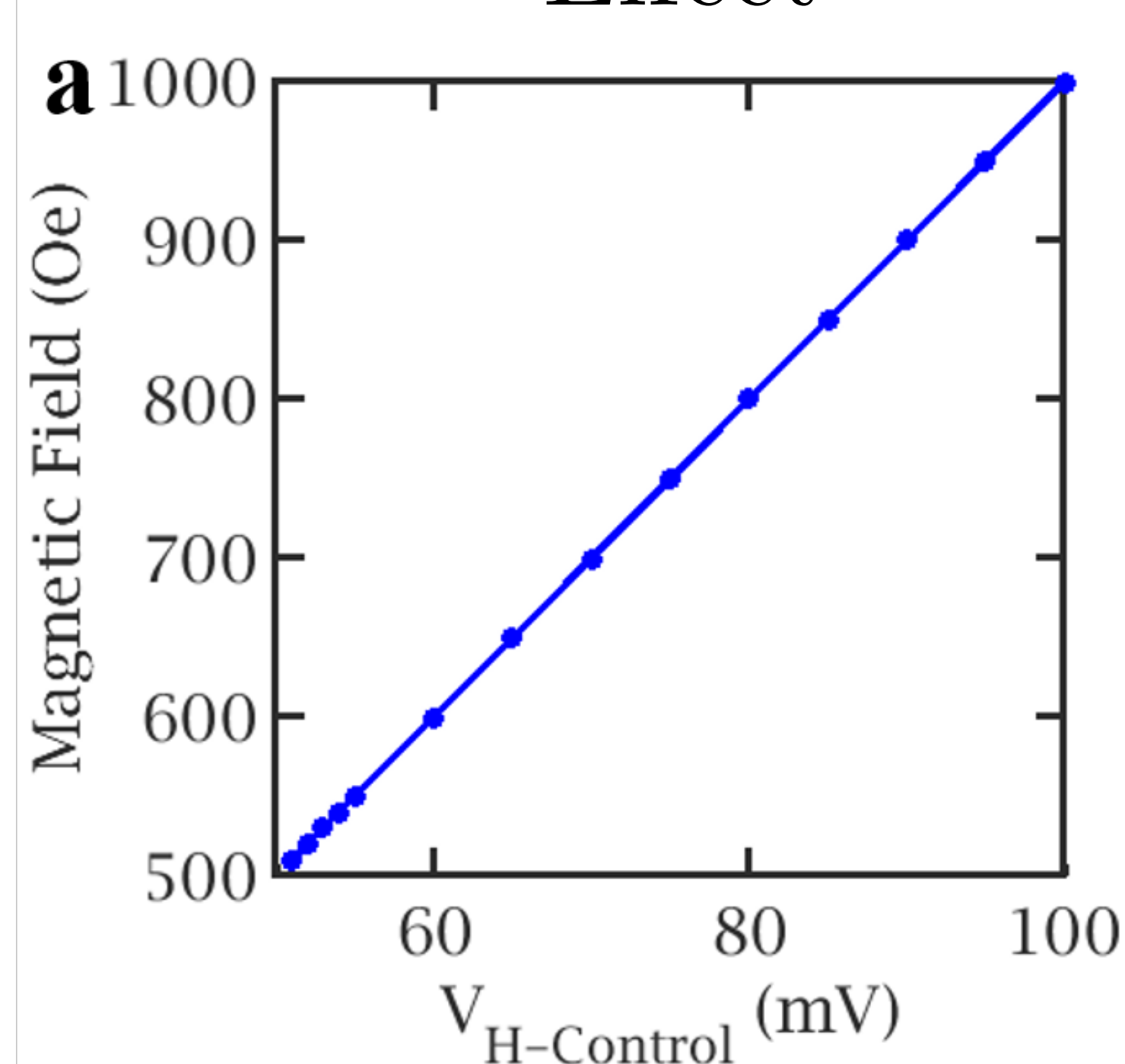
Device Operation



Dual Frequency Control



Magneto-Electric Effect



Phase Noise Reduction By Injection Locking \rightarrow Dual Control

