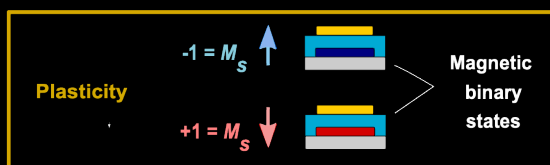
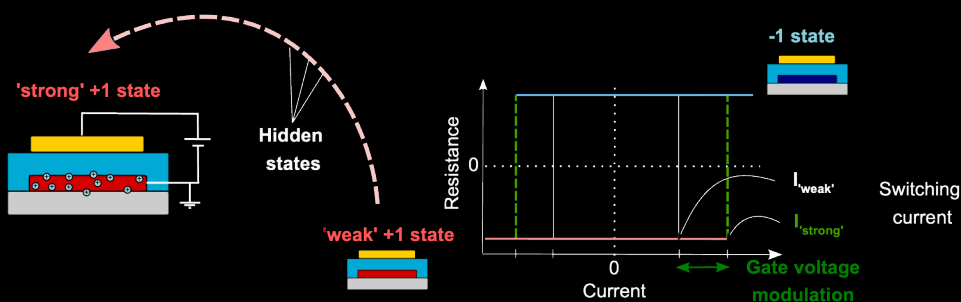
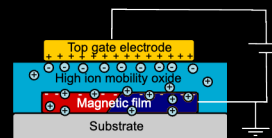


## Metaplastic spintronics synapses

*In METASPIN we envision a new low-power artificial synapse technology based on combining spintronics and ionic technologies at the nanoscale, to realise continual learning in hardware.*



Magneto-ionic device



*Synaptic metaplasticity in hardware: ionic hidden states add a hierarchy to the binary synaptic weights defined by the spin state of the system.*

