

The diagram illustrates the energy levels and transitions as a function of tilt. The horizontal axis is labeled "Tilt - ϵ (meV)" and has a central point marked "0". The vertical axis represents energy. Two blue curves represent the $(2,0)S$ states, which are symmetric about the zero tilt point. A red line represents the $(1,1)S$ state, which is also symmetric about zero tilt. Dashed red lines extend from the $(1,1)S$ state at zero tilt. A vertical double-headed arrow labeled $J(\epsilon)$ indicates the energy splitting between the $(2,0)S$ and $(1,1)S$ states. On the right side, three red horizontal lines represent the $(1,1)T$ states, labeled $(1,1)T_+$, $(1,1)T_0$, and $(1,1)T_-$. A vertical double-headed arrow labeled $g^* \mu_B B$ indicates the energy splitting between these states. On the left side, two blue arrows point to the $(1,1)S$ state at negative tilt, labeled $|\uparrow_1 \downarrow_2\rangle$ and $|\downarrow_1 \uparrow_2\rangle$.