



The diagram illustrates energy levels and transitions. Two horizontal black lines represent energy levels, with the upper one being higher. On the right side, these lines transition into thick blue horizontal bars. A dashed black line runs horizontally between the two main levels. Two red dashed arrows originate from the blue bars and point towards the dashed line. The left arrow points upwards, and the right arrow points downwards. Mathematical expressions are placed near the arrows: $\Delta E_{21} \gg V_{\text{int}}$ on the left and $\Delta E_S \sim \frac{1}{R^2}$ on the right.

$$\Delta E_{21} \gg V_{\text{int}}$$

$$\Delta E_S \sim \frac{1}{R^2}$$