## LECTURE 2





































## $E = -\vec{\mu}_{electron} \cdot \vec{\mu}_{nucleus} \cdot P(electron at nucleus)$













































## Transverse polarization













































 $\gamma < 0, \ \Omega < 0$   $\gamma < 0, \ \Omega > 0$ 

 $\gamma > 0, \; \Omega < 0 \qquad \gamma > 0, \; \Omega > 0$ 







t > 0





