

## electron paramagnetic resonance (EPR)

Electron paramagnetic resonance (EPR) and/or electron spin resonance (ESR) is defined as the form of spectroscopy concerned with microwave-induced transitions between magnetic energy levels of electrons having a net spin and orbital angular momentum. The term electron paramagnetic resonance and the symbol EPR are preferred and should be used for primary indexing.

**Source:**

PAC, 1989, 61, 2195 (*Recommendation for EPR/ESR nomenclature and conventions for presenting experimental data in publications (Recommendations 1989)*) on page 2196