



14 a) A particle breaks symmetry when its Lagrangian's sign is wrong relative to the potential term and so it selects a value of & that rests on a veurby O-point (like the tox model from lecture). This is "spontaneous symmetry branking" in that a symm. Lagrangian will see particles forced to pick a side rather than act symmetrically. b) Why the weak force is chiral (notices parity) c) Electrons from W-decay all share a hundredness even though w/o breaking they would be even-split.