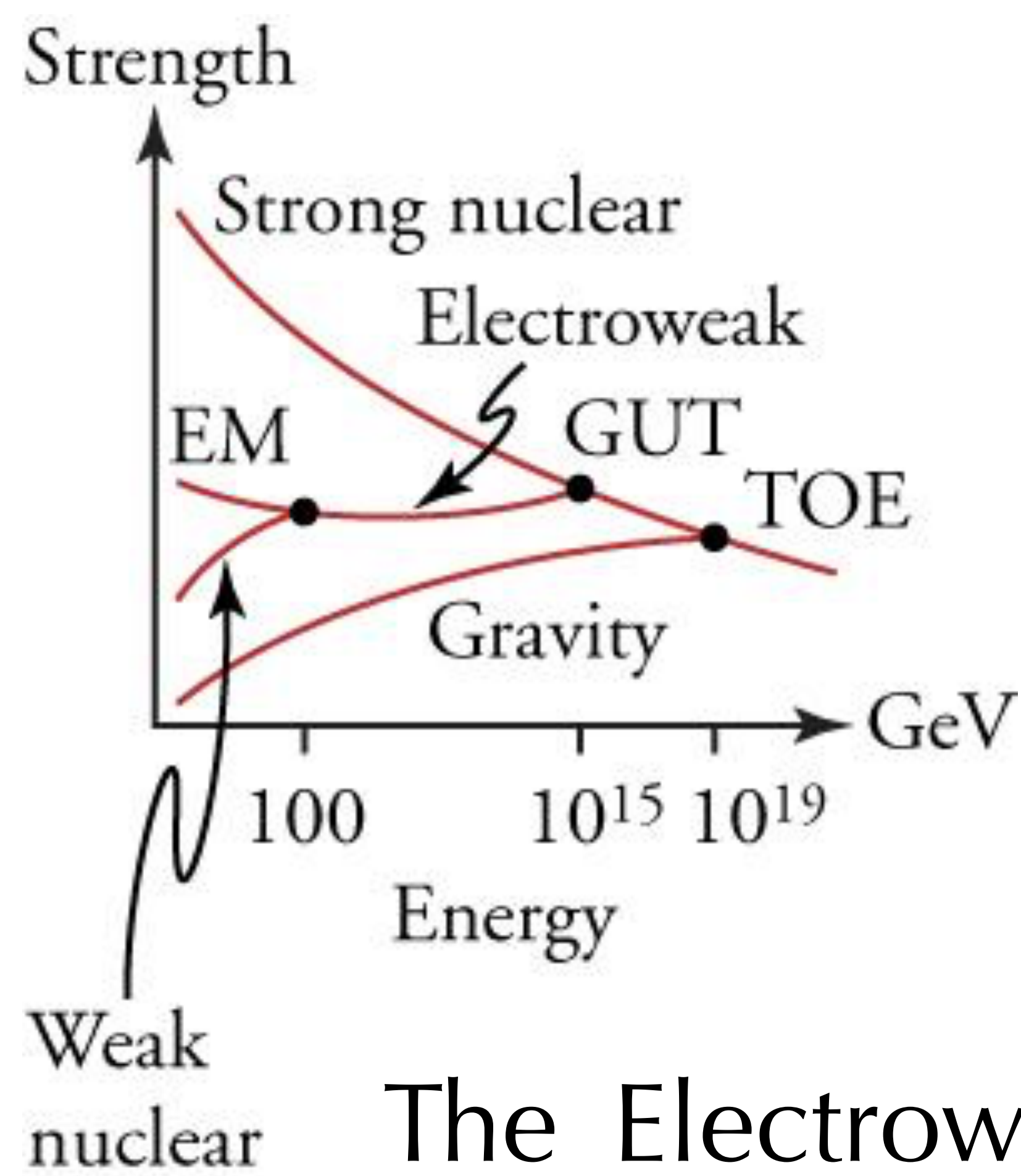


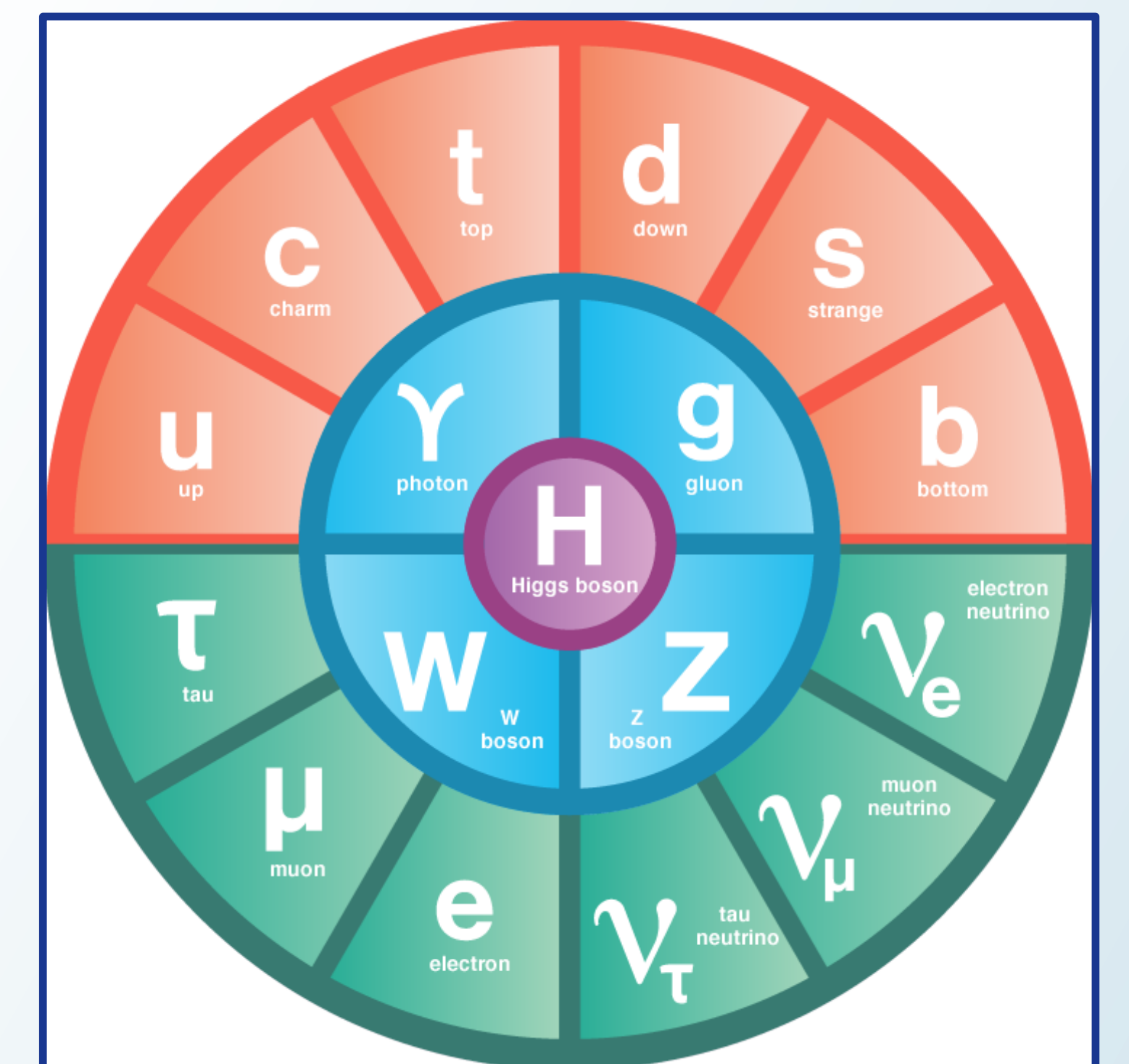
Electroweak Theory & New Physics

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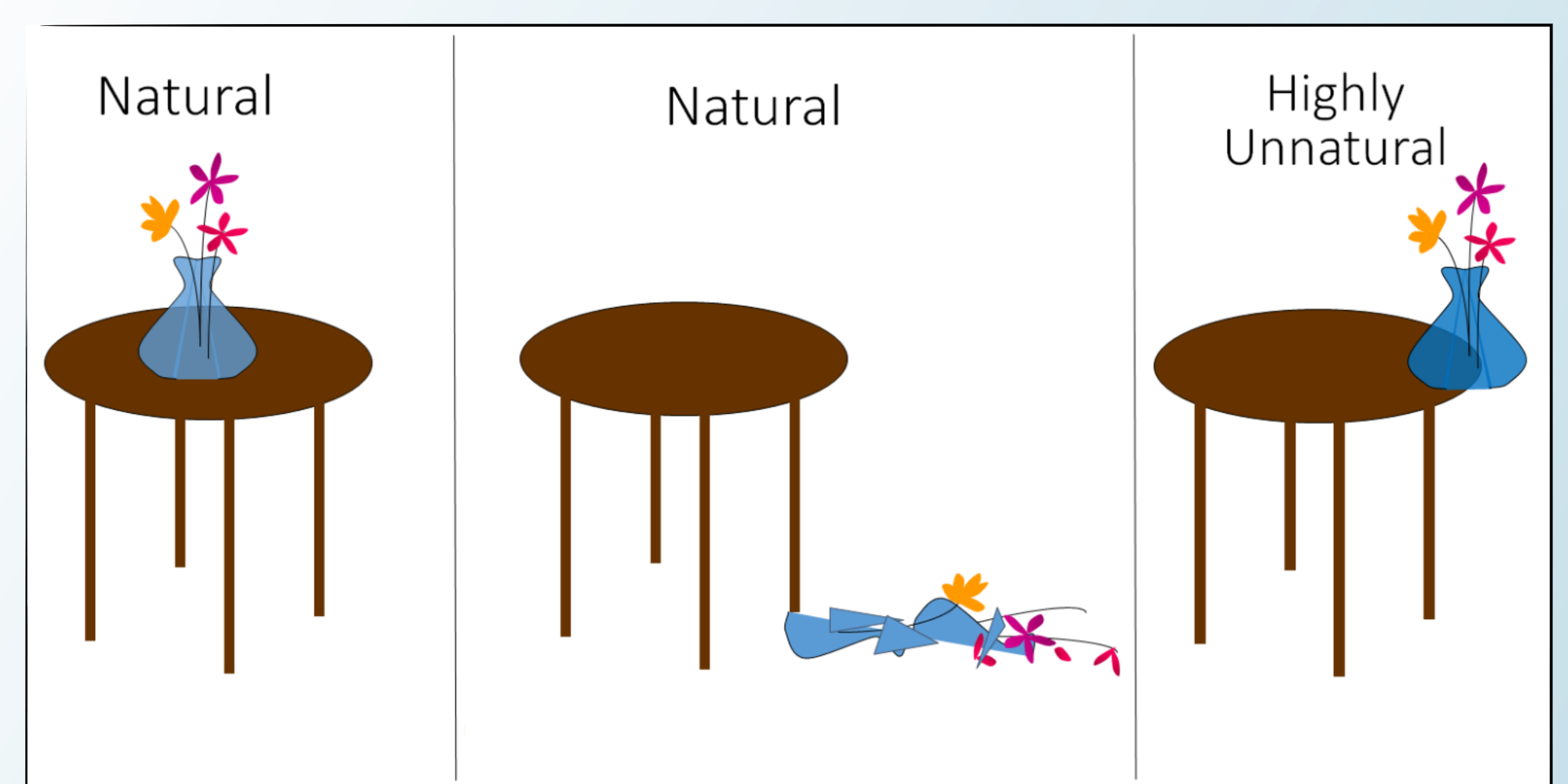
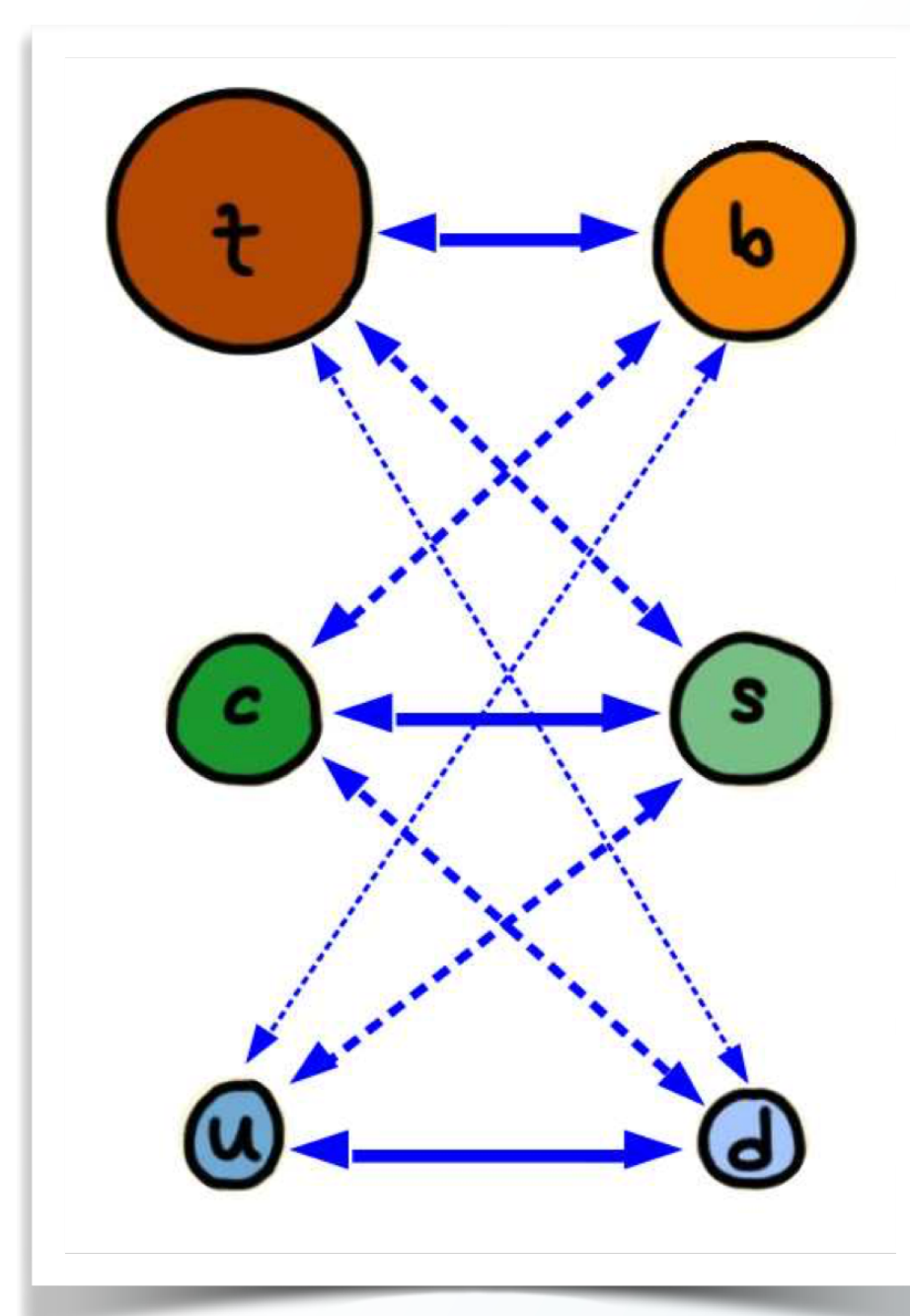
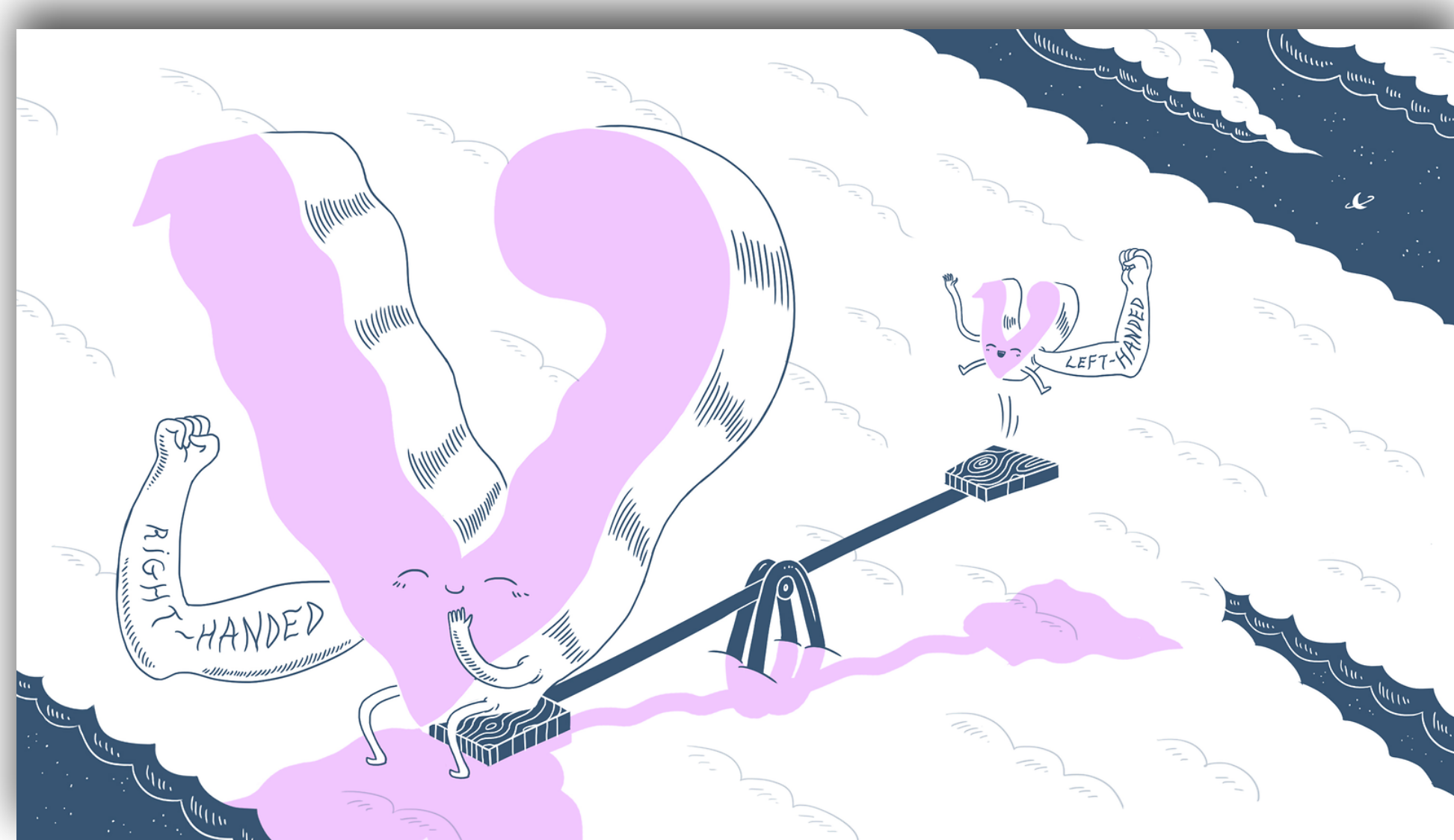
The Standard Model is a relativistic quantum field theory accounting for the best description of Nature we have so far at the microscopic level.



*It accounts for all E.M. + nuclear phenomena via a theory of **Electroweak and Strong interactions**, and points suggestively to a **Grand Unification**.*



The Electroweak (EW) sector, in particular, leaves us with some not-yet-answered BIG questions that all call for **New Physics**:



ORIGIN OF MASSES & MIXING, i.e. FLAVOR, AND OF ~~CHARGE-PARITY~~

THE SELECTION RULES FOR A NATURAL EW THEORY

HOW TO PROGRESS?



CLUES FROM **PRECISION TESTS!**

