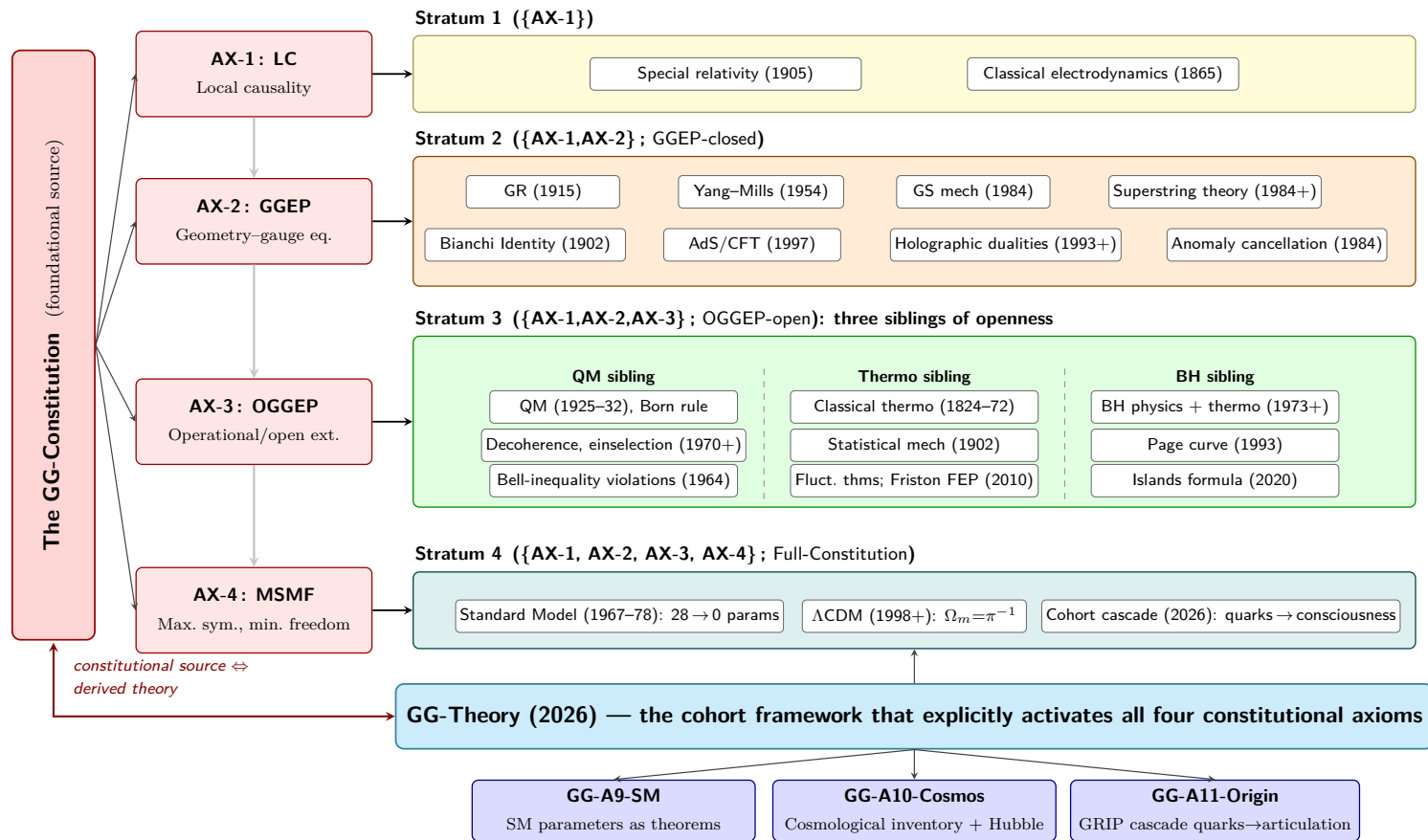


Every Framework of Twentieth-Century Physics, Sorted by the Axioms It Uses



The constitution drawn as a flowchart. Each framework of twentieth-century physics enters at the level of the axioms it implicitly uses, and the branches descend as axioms are added: one axiom gives special relativity, two give the geometric machinery of general relativity and gauge theory, the third adds the boundary coarse-graining that quantum mechanics and thermodynamics share, and the fourth removes the freedom that remains. What each branch *cannot* say is the content of the chart — a missing axiom is a prediction about which questions a framework will leave open, not merely an omission. Read stratum by stratum, with what each stratum’s occupants are unable to express: Figure 10 in Part V, p. 162.