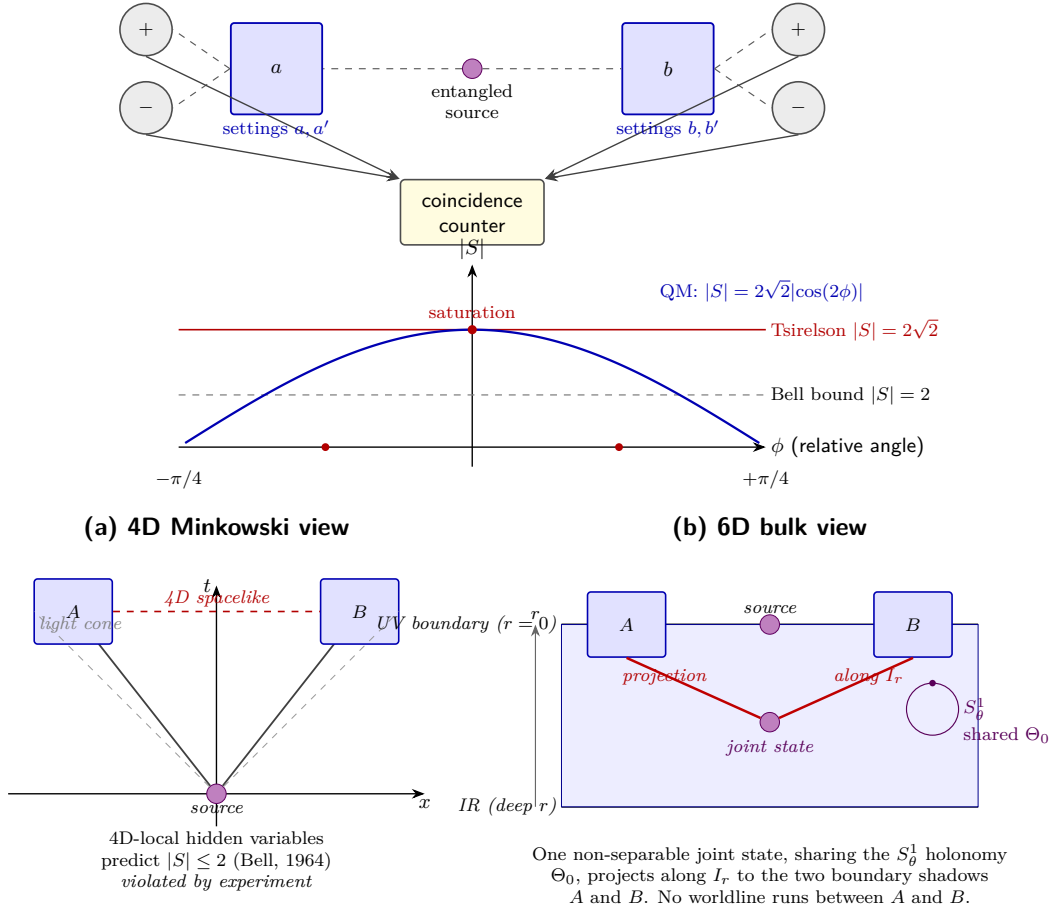


Two Records, One Object — and Nothing Travels Between Them



What Bell measured, and what it is a shadow of. Above: the CHSH experiment and its arithmetic — any four-dimensional local hidden-variable theory is bounded by $|S| \leq 2$, quantum mechanics predicts $2\sqrt{2}|\cos 2\phi|$, and the Nobel-recognized experiments confirm the saturation at the Tsirelson bound. Below: what the pair is. It is *one* non-separable state of the bulk, sharing a single phase-circle holonomy reference fixed at the source; Alice’s event and Bob’s event are two projections of that one object along the scale direction, which carries no light cone, so no worldline runs between them and nothing has to. The shared holonomy is the operational meaning of the entanglement, and the “non-locality” of 1964 is the operational shadow of one bulk object projected to two boundary records. In full: Figures 9 and 10, pp. 151 and 155.