Stage A: Bootstrap

(Geometric Selection)

Uses:
GR + QM as
selection criteria

Derives:
Stella uniqueness
D = 4, SU(3) embedding

Failure:
N/A
(selection only)

geometry

Stage B: Verification

(Physical Derivation)

Uses:
Stella geometry
(Layers 1–4)

Derives:
QM, Lorentz
invariance, GR

Failure modes:
(i) Wightman violation
(ii) $\omega \neq c|k|$ at low E
(iii) $\nabla_\mu T\mu\nu \neq 0$

Stage A selects geometry; Stage B derives physics from it.