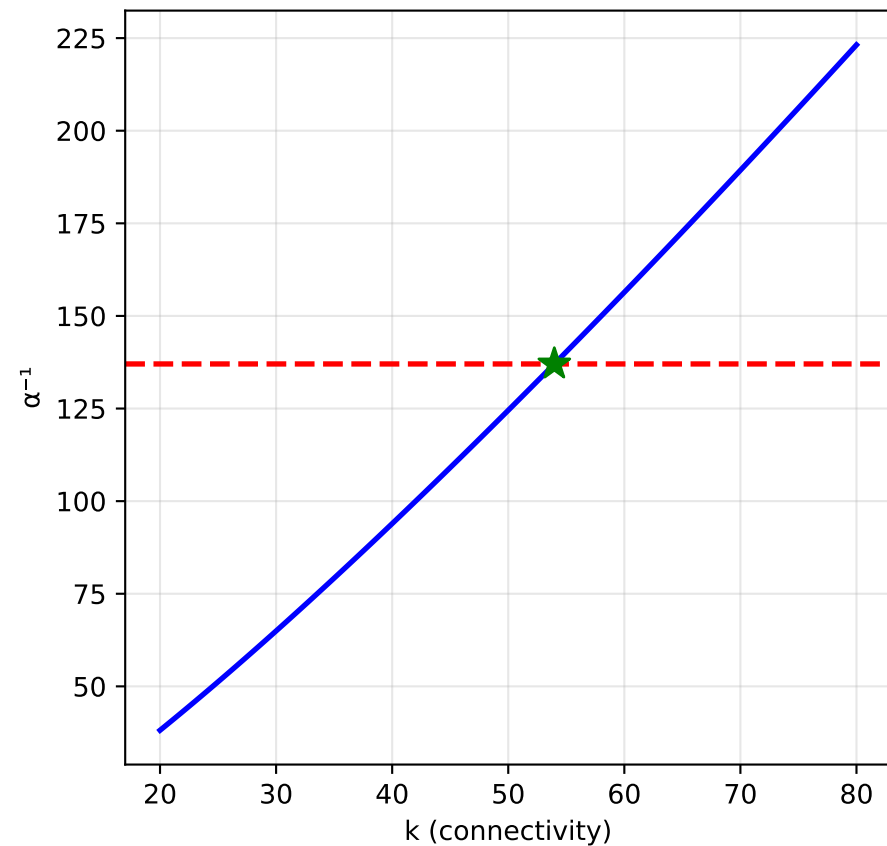
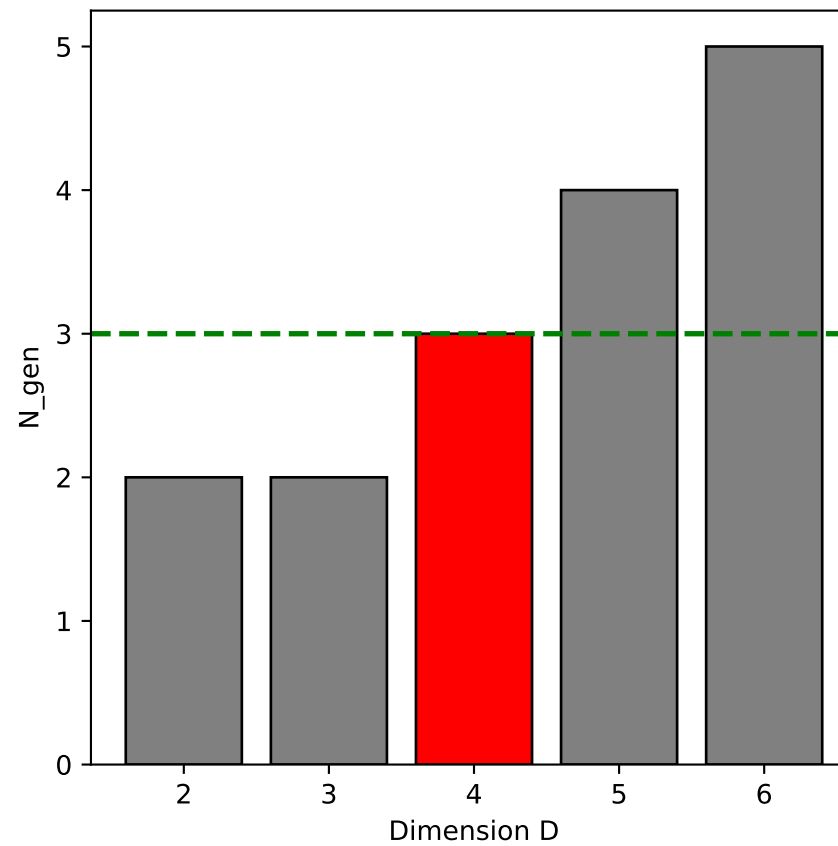


TAMESIS THEORY: Fundamental Constants from First Principles

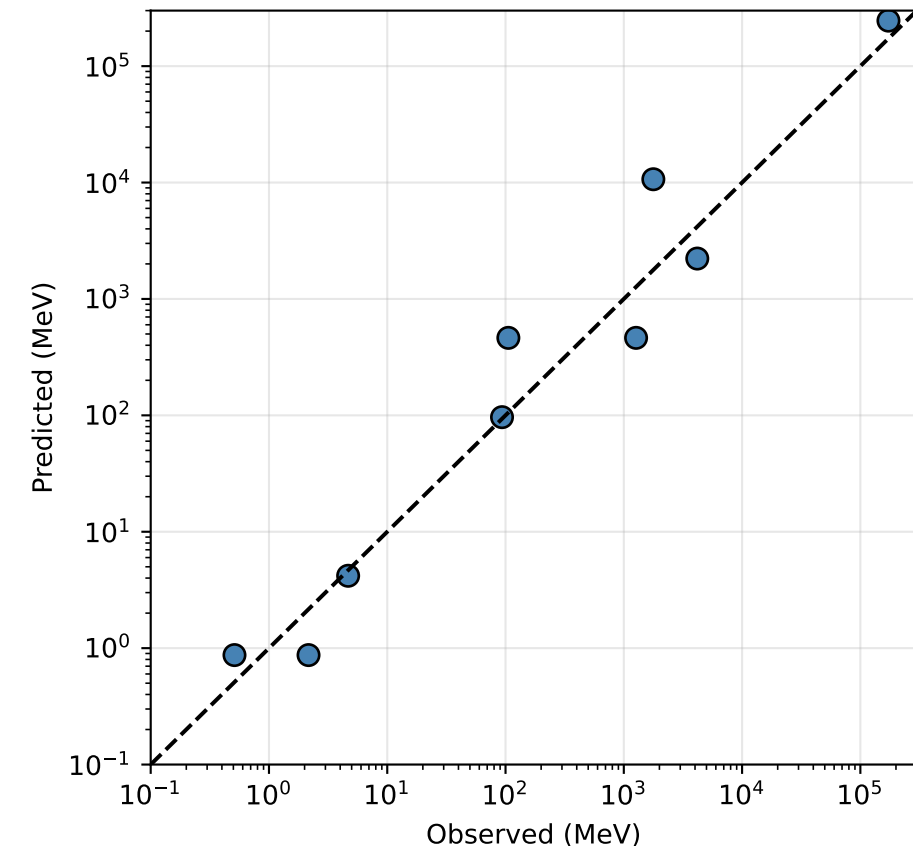
(a) Fine Structure Constant



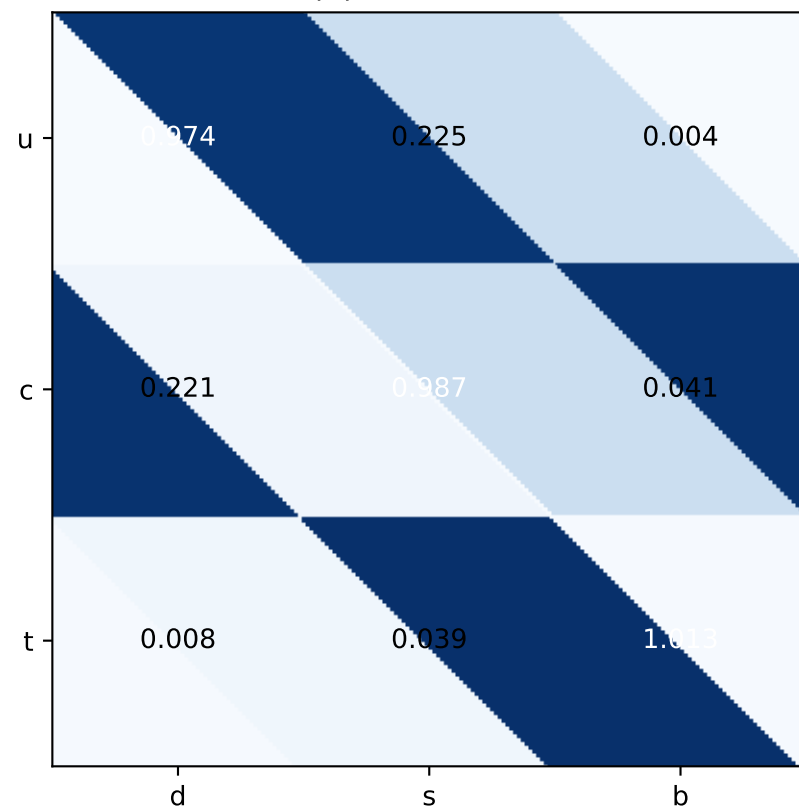
(b) Fermion Generations



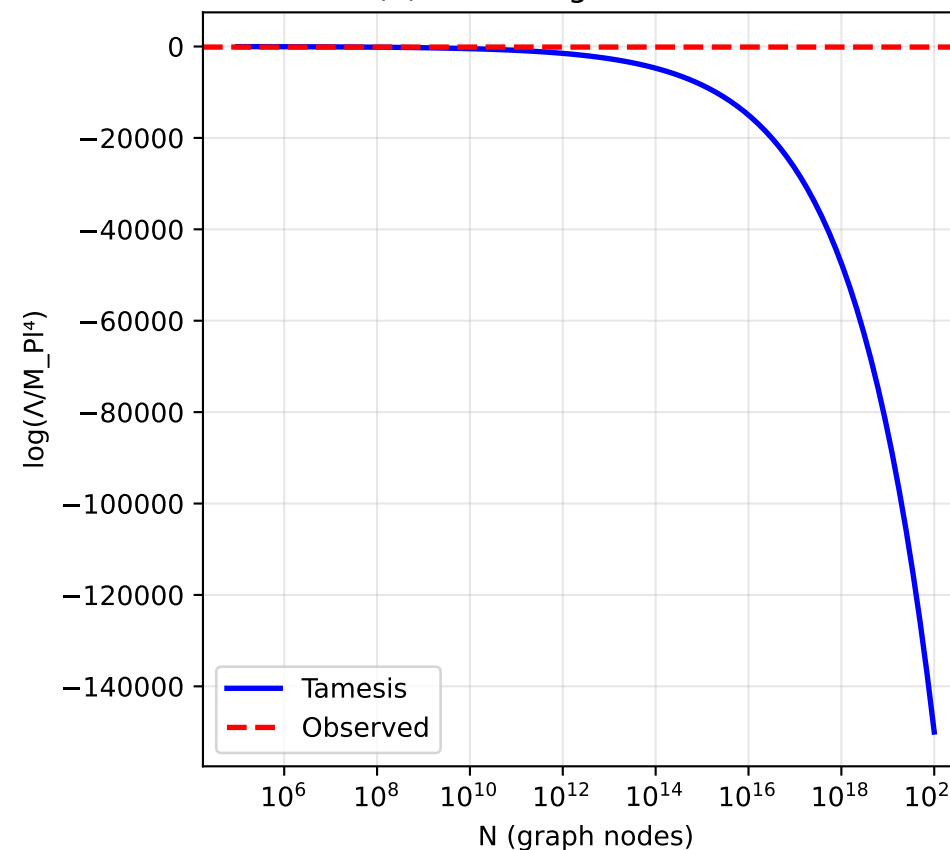
(c) Fermion Masses ($R^2=0.94$)



(d) CKM Matrix



(e) Cosmological Constant



Tamesis ToE derives:

- $\alpha \approx 1/137$ from topology
- 3 generations from $D=4$
- 9 fermion masses ($R^2=0.94$)
- CKM hierarchy from overlaps
- Λ suppression mechanism