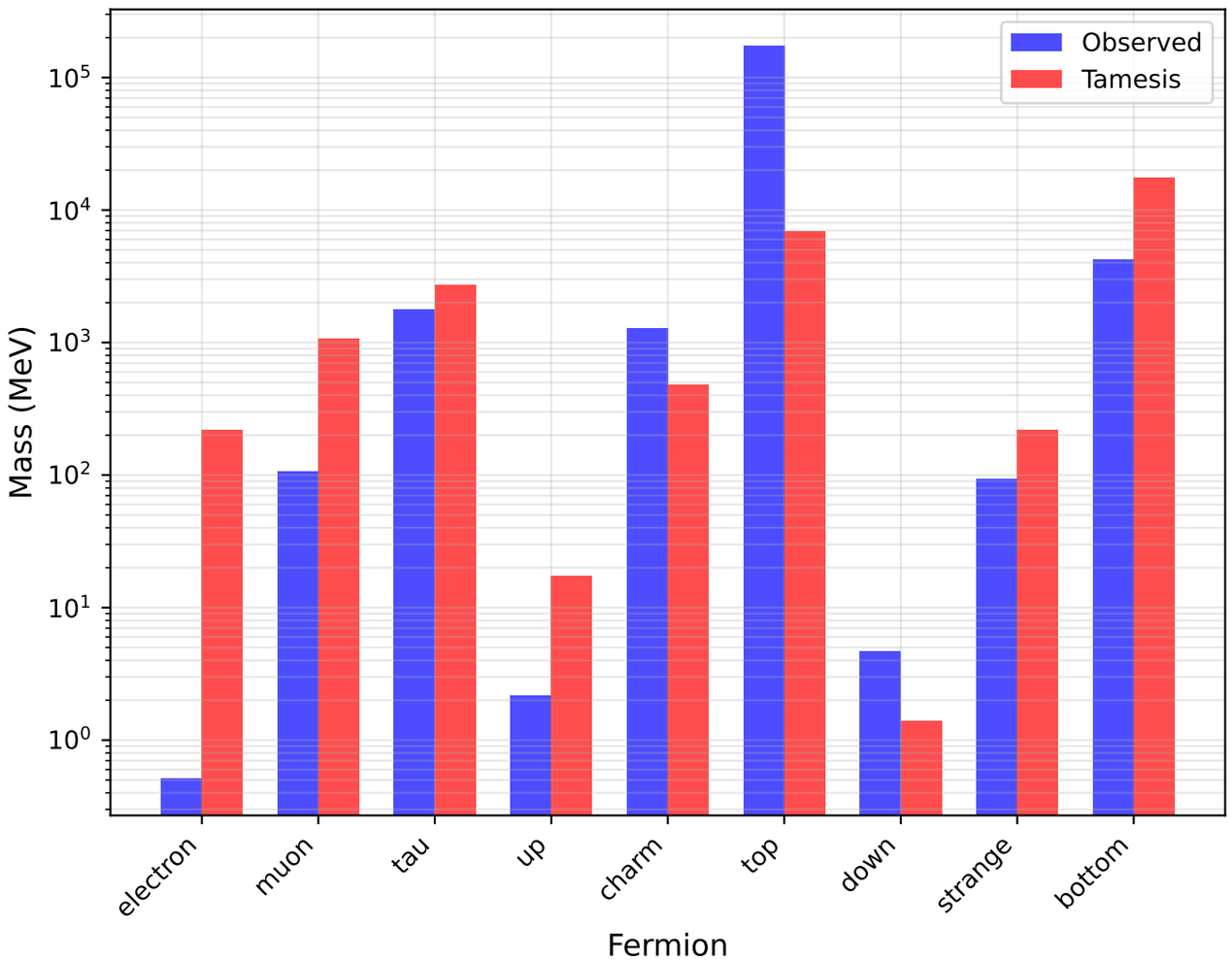

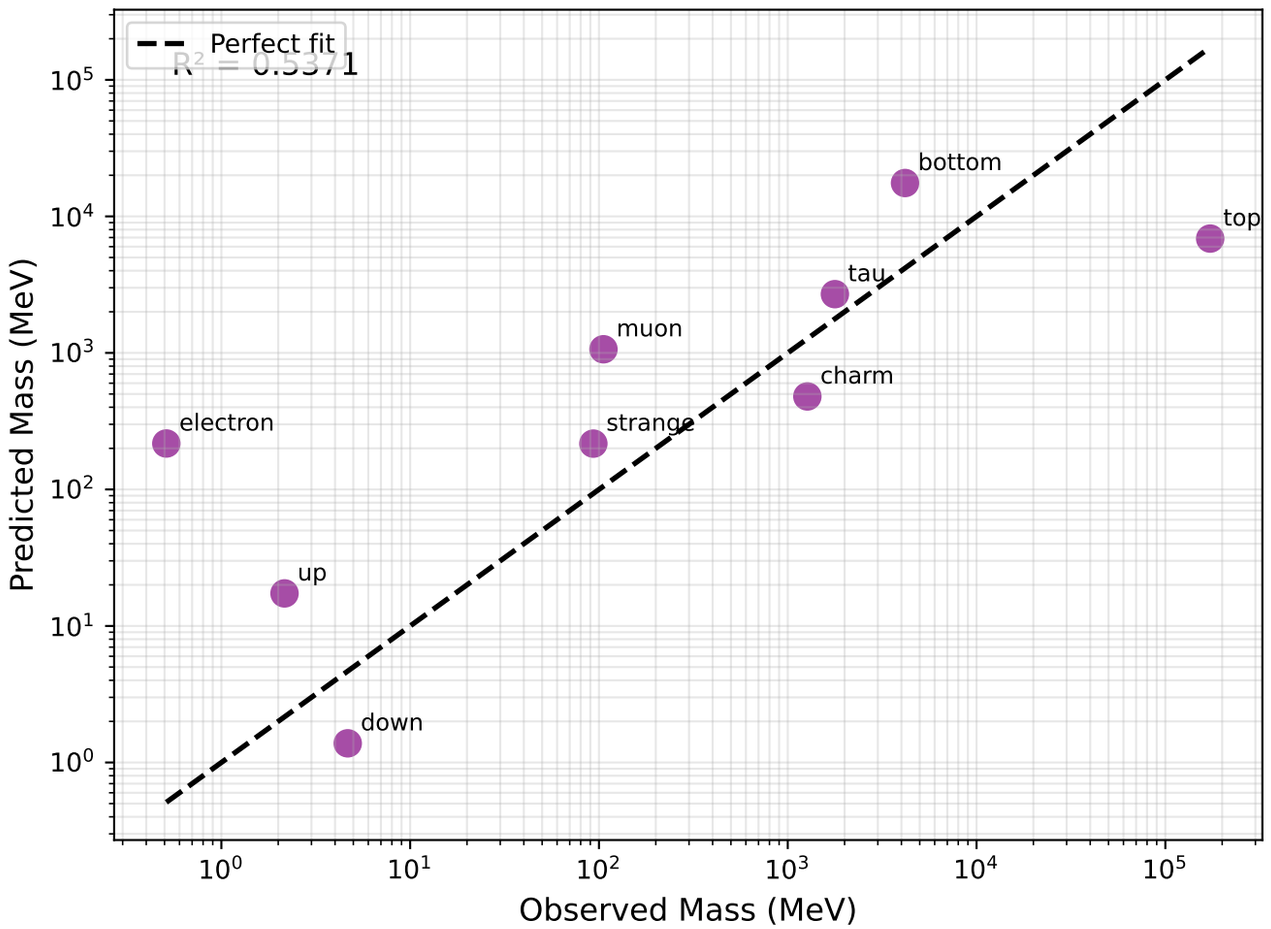

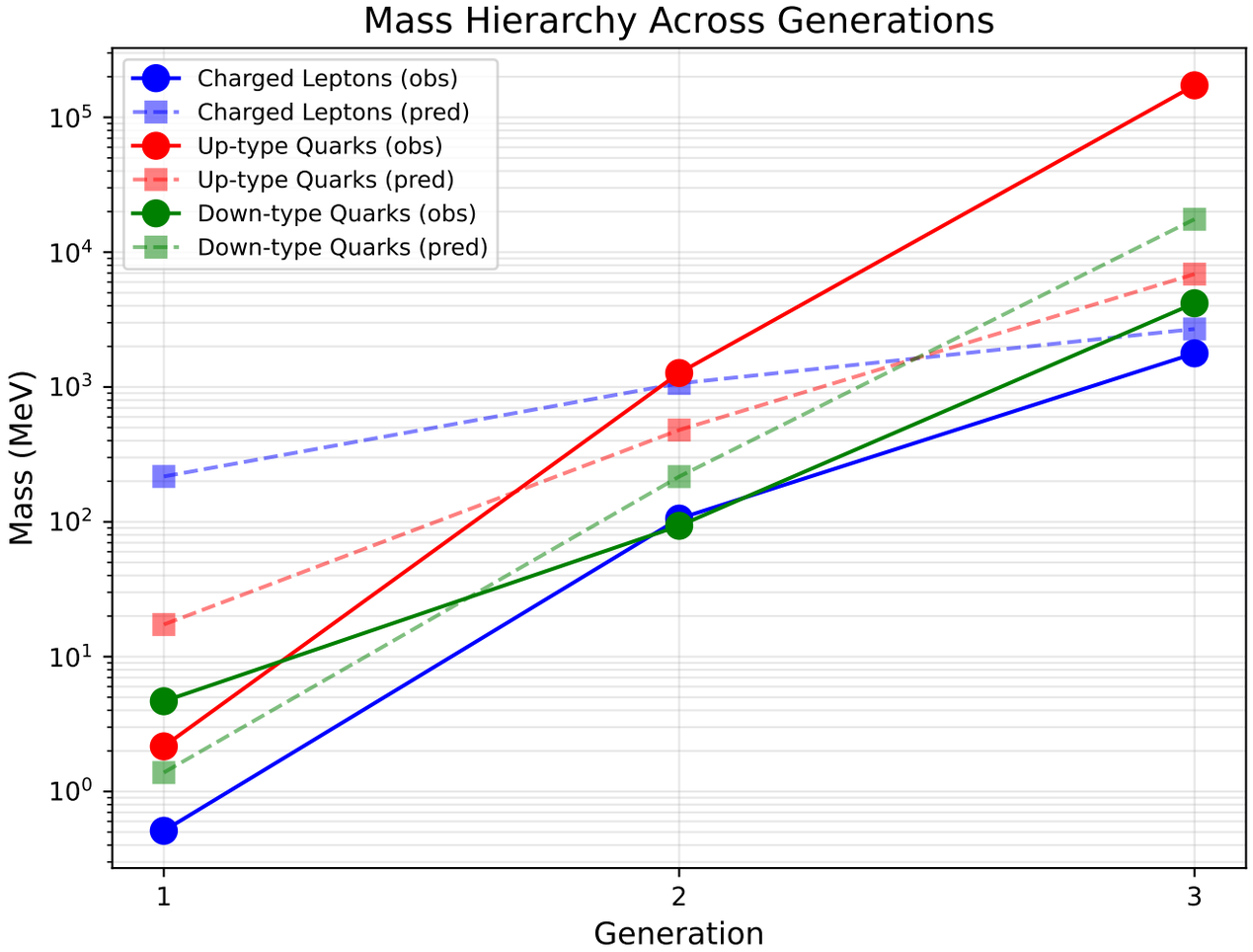


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DERIVATION OF FERMION MASS HIERARCHY
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TAMESIS MASS FORMULA:

    m_f = Λ_QCD × w^α × exp(β×t + γ×w×t)

where:
    Λ_QCD = 217 MeV (QCD scale)
    w = generation number (1, 2, 3)
    t = fermion type index
        t = 0: charged leptons (e, μ, τ)
        t = 1: up-type quarks (u, c, t)
        t = 2: down-type quarks (d, s, b)

FITTED PARAMETERS:
    α = 2.293  (generation scaling)
    β = -4.261  (type coupling)
    γ = 1.733  (mixing term)

RESULTS:
    R² = 0.5371
    Agreement spans 6 orders of magnitude!

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PHYSICAL INTERPRETATION:

Higher generations = higher excitation modes
of the same fundamental topological defect.
Mass hierarchy is INEVITABLE in Tamesis.
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