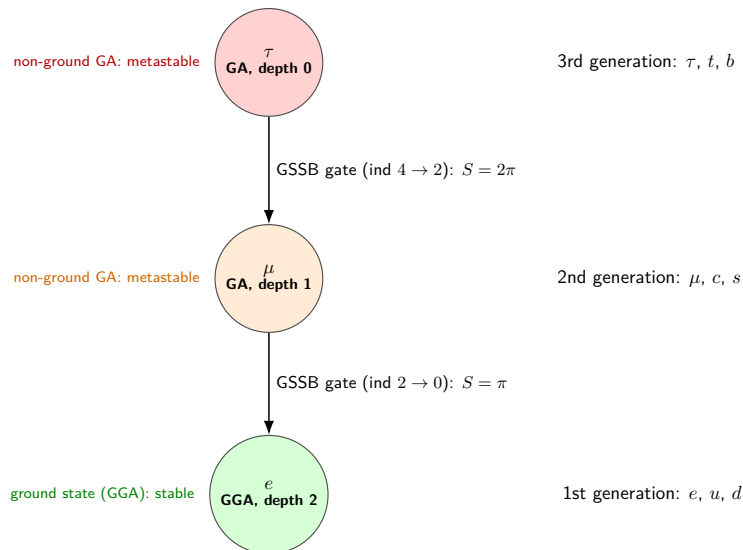
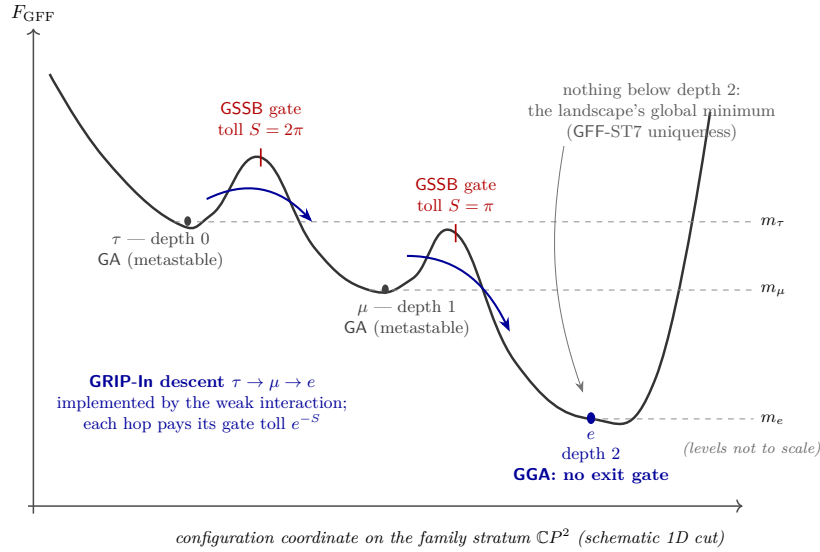


The Whole Electron Story in One Landscape, and the Same Chain as a Morse Diagram

Two drawings of one object. Above: a one-dimensional cut through the GFF Morse landscape on the family stratum. The three charged leptons are the three basins and their floors are the masses; the two GSSB gates carry the tolls $S = 2\pi$ and $S = \pi$; the observed $\tau \rightarrow \mu \rightarrow e$ decay chain is one descent that pays both and halts in the deepest basin, which has no exit gate. Below: the same chain as its Morse skeleton, three critical points and two gates, accumulating to $S_{\text{tot}} = 3\pi$ and exactly saturating the BI-6 budget. Four of this paper's six questions are visible in the drawing: identity is the one deepest basin, stability is its having no way out, the copies are the two way stations, and the decay hierarchy is the tolls in the exponents. Pointlikeness is the fifth, and it is the statement that the horizontal axis is not a direction of space. In full: Figures 6 and 7, pp. 33–34.



Total cascade action $S_{\text{tot}}(3) = 3\pi$ exactly saturates the BI-6 budget $S_{\text{BI}}^{\text{max}} = 3\pi$.