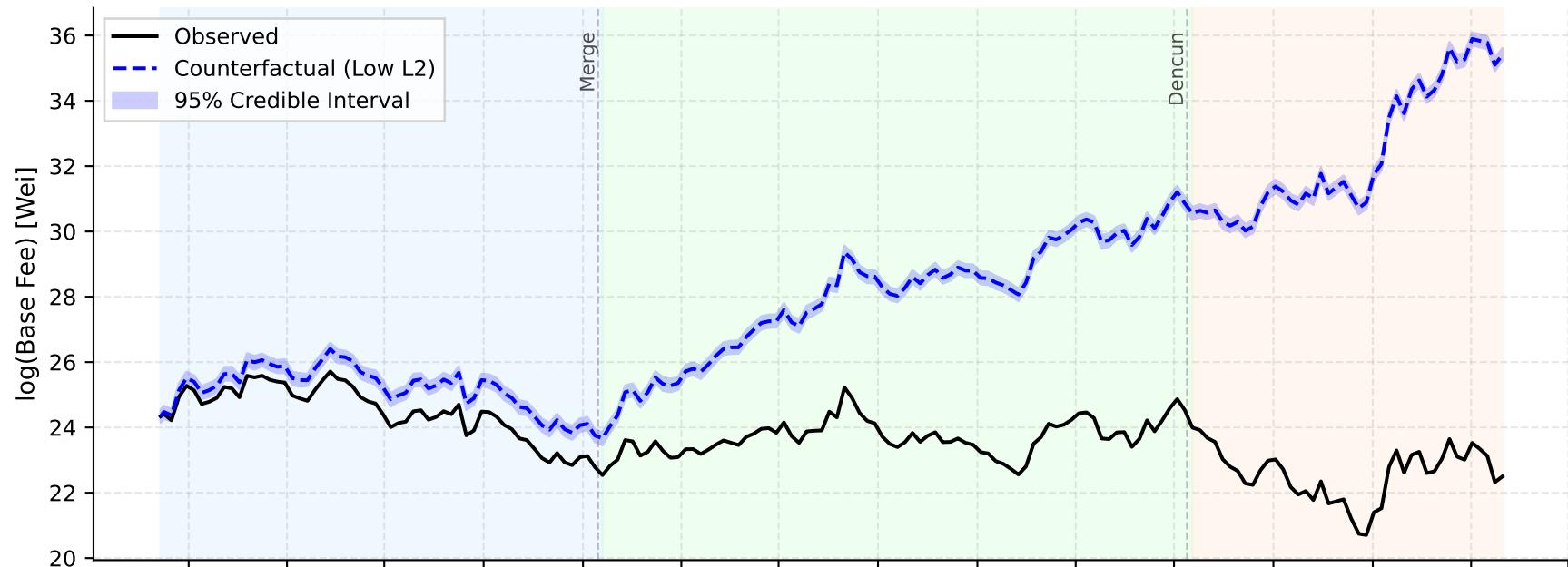


Figure 9: BSTS Counterfactual Analysis - Low L2 Adoption Scenario (10th Percentile)

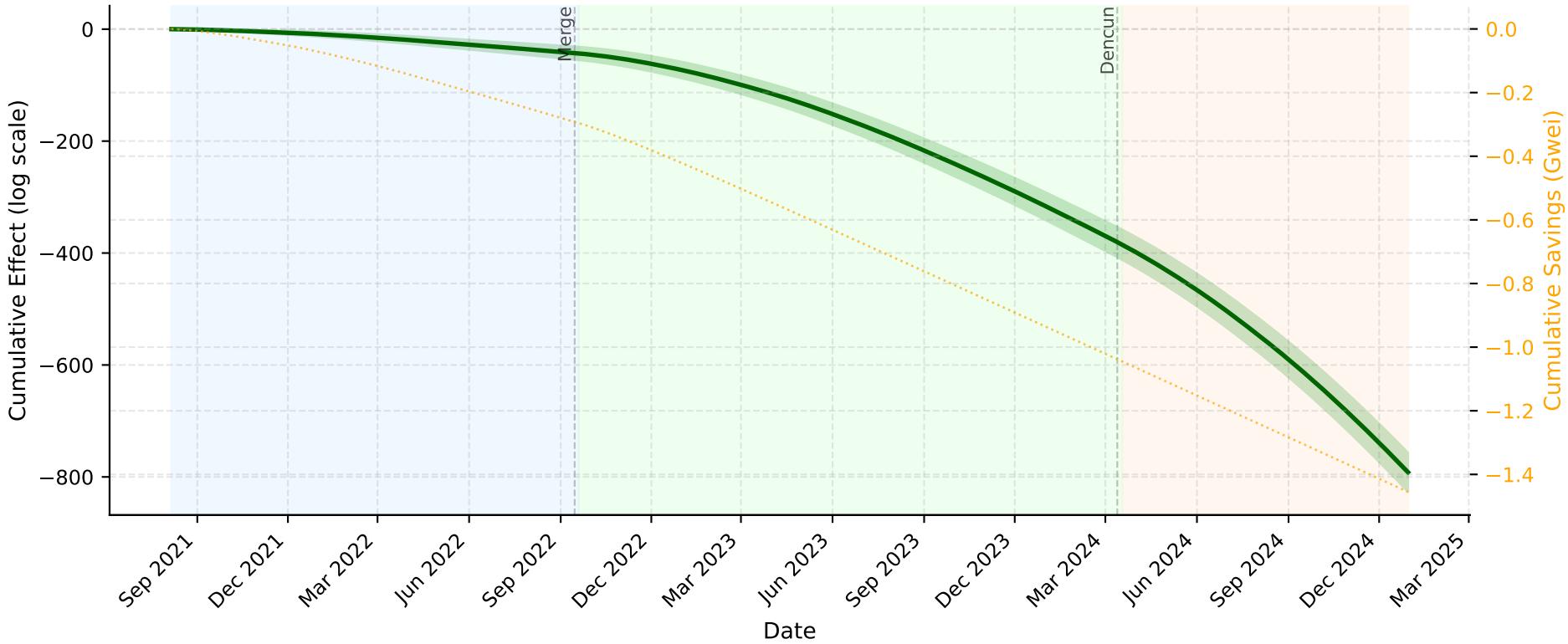
A. Observed vs Counterfactual Congestion Paths



B. Treatment Effect Over Time (L2 Impact on L1 Congestion)



C. Cumulative L1 Congestion Savings from L2 Adoption



Counterfactual analysis showing L1 congestion paths under low L2 adoption scenario. The counterfactual fixes L2 activity (A_t) at its 10th percentile value. Shaded regions indicate different protocol regimes. Panel A shows observed vs counterfactual paths with 95% credible intervals. Panel B displays the treatment effect (reduction in congestion from actual L2 adoption). Panel C shows cumulative savings in both log scale and Gwei.