Phase II: This phase includes two subphases: - **Phase II-A:** $\ddot{a} < 0$, $\Omega_k \ll 1$. - The spatial curvature is negligible, and the expansion is solely driven by the scalar field. - **Phase II-B:** $\ddot{a} \ll 0$, $aH < \infty$. - The spatial curvature becomes important, and Ω_k converges to a non-zero value.

The figure demonstrates how the cosmic expansion dynamics evolve from a phase where the CCC is violated to one where it is preserved, illustrating the transition through distinct phases of the FRW model with negative spatial curvature.