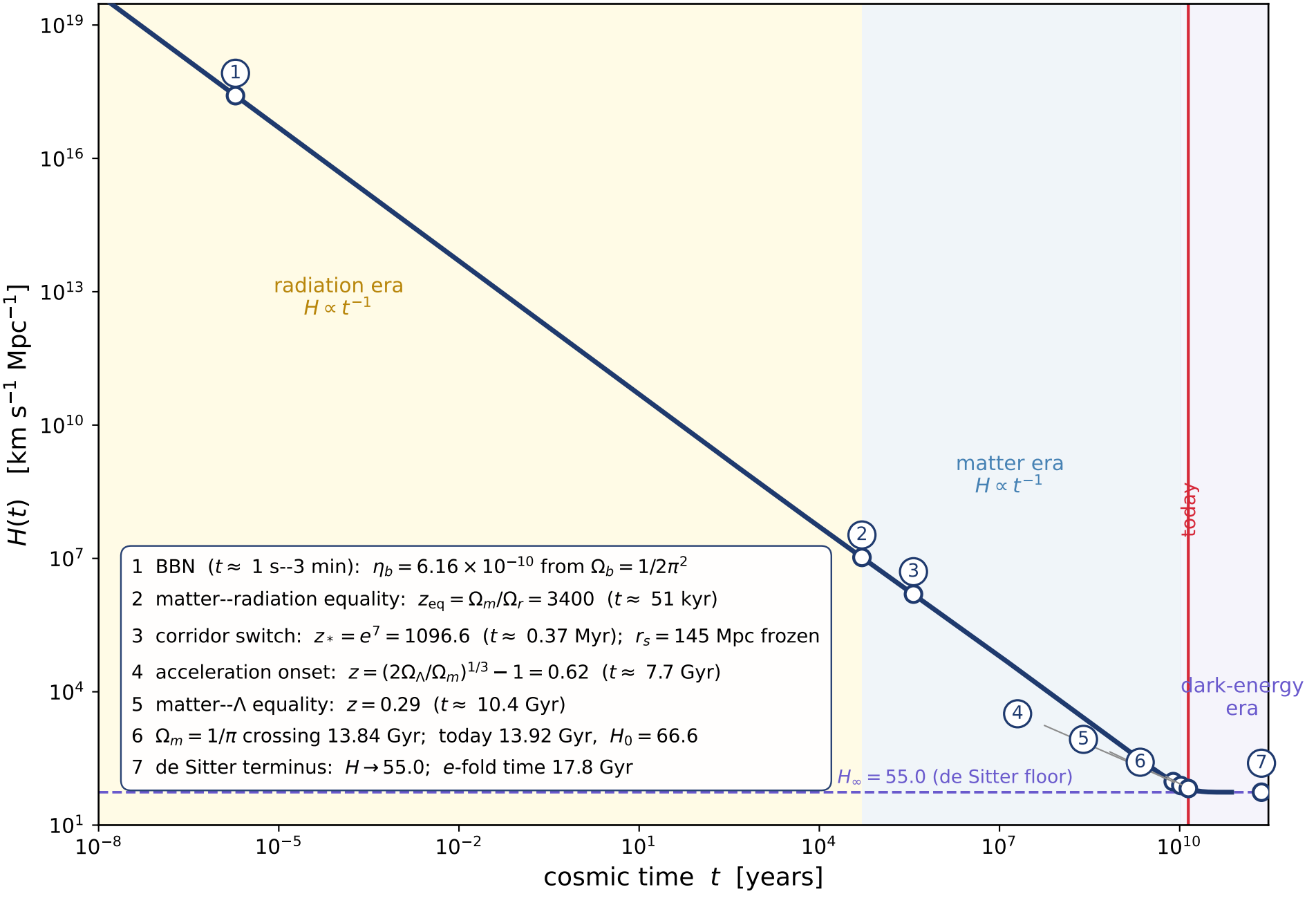Landmarks on the derived $H(t)$: nineteen decades of cosmic time on one zero-parameter curve