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Theoretical prediction of Λ , Σ , Ξ hyperon magnetic form factors $|G_M^H(t)|$ behaviours and also ratio $|G_E^H(t)|/|G_M^H(t)|$ in time-like region.

The advanced Λ, Σ, Ξ hyperon Unitary and Analytic electromagnetic structure models are constructed explicitly and behaviours of $|G_M^H(t)|$ and ratios $|G_E^H(t)|/|G_M^H(t)|$ are predicted in time-like region as functions of the total energy squared $t = W^2$ in the c.m. system of $H\bar{H}$, which will be found out in intended measurements of the Λ, Σ, Ξ hyperon polar angle Θ_H distributions $F(\cos \Theta_H)$ in $e^+e^- \to H\bar{H}$ processes.

Experimental Collaboration

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