## XXVI DAE-BRNS High Energy Physics Symposium 2024



Contribution ID: 342

Type: Postar

## Electric Sachs form factors of low-lying octet baryons in a diquark spectator model

Electromagnetic properties of a hadron are analyzed to elucidate the distribution of charge and magnetization within a hadron. Sachs form factors are the fundamental quantities used to study these properties. We have adopted the light-cone formalism to analyze the electric Sachs form factors  $G_E(Q^2)$  of strange and non-strange low-lying octet baryons in a diquark spectator model. All possible polarization states of a diquark are considered with the dipolar form factor of the baryon-quark-diquark vertex. The computed results of  $G_E(Q^2)$  are presented with the comparison of available data for both types of low-lying octet baryons.

## **Field of contribution**

Phenomenology

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Track Classification: Heavy ion and QCD