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## Probing Effect of Nuclear Shape Coexistence in Heavy-Ion Collisions using Glauber Model

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The effect of deformation in nuclear geometry on both initial and final state observables has been reported by recent theoretical developments as well as experimental studies. However, in addition to fixed nuclear deformation, the nuclear geometry can manifest “Shape Coexistence” as evident from low-energy spectroscopic measurements. This study aims to quantify the effects of shape coexistence in heavy-ion collisions using the Glauber model. The effect of shape coexistence on the initial state observables such as eccentricity and area fluctuations are reported in this work.

### Present via

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