



Contribution ID: 374

Type: Oral

Spherical trapped surfaces in pure Gauss Bonnet Gravity

The Gauss- Bonnet theory arises as a truncation of the Lovelock action. We use this action to understand the gravitational collapse of spherical shell of matter. The gravitational collapse of spherical symmetrical dust and viscous fluid matter is detailed by taking different density profiles as initial data.

Field of contribution

Theory

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Track Classification: Astroparticle physics and cosmology