

Contribution Title: N-FIELD APPROACH TO BLACK HOLES PRODUCTION  
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Invited speaker:  
YRS seminar: YES

We study behavior of null-geodesics in the positive cosmological curvature D-dimensional spacetime the non-expanding shock waves using the n-field method. We show focusing of geodesics on the plane of shock-wave and use this to study the trapped surface equation for two colliding shock-waves. Possible influence of dark energy on the process of black holes production is being discussed.