

SELECTED PUBLICATIONS

1. Bijendra K Vishvakarma, Dharm Veer Singh and **Sanjay Siwach**, Parameter estimation of the Bardeen-Kerr black hole in cloud of strings using shadow analysis, *Phys. Scripta* 99 (2024) 2, 025022.
2. S Shaymatov, P Sheoran and **Sanjay Siwach**, Motion of charged and spinning particles influenced by dark matter field surrounding a charged dyonic black hole, *Phys. Rev. D* 105 (2022) 10, 104059.
3. F Atamurotov, S Shaymatov, P Sheoran and **Sanjay Siwach**, Charged black hole in 4D Einstein-Gauss-Bonnet gravity: particle motion, plasma effect on weak gravitational lensing and centre-of-mass energy, *JCAP* 08 (2021) 045. **(Topcite- 50+)**
4. Dharm Veer Singh and **Sanjay Siwach**, Thermodynamics and P-v criticality of Bardeen-AdS black hole in 4D Einstein-Gauss-Bonnet gravity, *Phys. Lett. B* 808, (2020) 135658. **(Topcite- 100+)**
5. Dharam Veer Singh and **Sanjay Siwach**, Scalar Fields in BTZ Black Hole Spacetime and Entanglement Entropy, *Class. Quantum Grav.* **30** (2013) 235034.
6. Shobhit Sachan and **Sanjay Siwach**, Thermodynamics of soft wall AdS/QCD at finite chemical potential, *Mod.Phys.Lett. A* 27 (2012) 1250163.
7. Hyo Chul Ahn, Deog Ki Hong, Cheonsoo Park, **Sanjay Siwach** , Spin 3/2 Baryons and Form Factors in AdS/QCD, *Phys. Rev. D* 80 (2009) 054001. **(Topcite- 50+)**
8. Rabin Banerjee, Choonyu Lee and **Sanjay Siwach**, Deformed conformal and super-Poincaré symmetries in the non-(anti)commutative spaces, *Eur. Phys J. C* 48 (2006) 305.
9. N. Ohta, K. L. Panigrahi and **Sanjay**, Intersecting branes in pp-wave spacetime, *Nucl. Phys. B* 674 (2003) 306.
10. A. Kumar, R. R. Nayak and **Sanjay**, D-brane solutions in pp-wave background, *Phys. Lett. B* 541 (2002) 183. **(Topcite- 50+)**