

VII Leopoldo García-Colín Mexican Meeting on Mathematical and Experimental Physics



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CLAUS LÄMMERZAHN: Accretion disks as probes of Black Hole physics

Monday, 17 February 2020 11:30 (1 hour)

With accretion discs one can probe the strong gravity regime in the near vicinity of Black Holes. In this talk the general formalism for accretion disks in stationary axially symmetric Black Hole space-times is developed. In the case of matter models based on ideal fluids analytic solutions for the density and pressure can be found. The formalism can be extended to charged fluids. In addition, also the issue of viscosity will be addressed.

Session Classification: PLENARY TALKS

Track Classification: SYMPOSIUM ON BLACK HOLES AND GRAVITATIONAL WAVES