

Contributed Talk

Splinter AGN

ACCRETION DISKS IN SPACE-TIMES OF COMPACT OBJECTS WITH  
MASS QUADRUPOLE

C. Lämmerzahl

*ZARM, University of Bremen, Am Fallturm, 28359 Bremen, Germany*

Compact massive objects like neutron stars always rotate. This leads to a deformation of the massive compact object which results in axially symmetric mass multipoles. The gravitational field of such a compact object gives a space-time different from known Black Hole space-times like the Kerr space-times. We describe thick and thin accretion disks in such axially symmetric space-times and discuss the modifications compared to accretion disks around Black Holes.