



Contribution ID: 118

Type: 3rd week (Nishinomiya-Yukawa symposium)

Connecting quarks to the cosmos: The role of quark masses.

Thursday, October 31, 2024 1:30 PM (1 hour)

I will discuss quark mass-dependent operators in the Chiral Perturbation Theory, their effects on the equation of state of dense matter, and their implications for astrophysics. I highlight how these operators influence three-body forces and the possibility of pion and axion condensation in neutron stars.

Primary author: REDDY, Sanjay (University of Washington)

Presenter: REDDY, Sanjay (University of Washington)

Session Classification: Nishinomiya-Yukawa workshop