

Astrophysics of multi-state fuzzy dark matter

Sunday 6 September 2020 12:37 (7 minutes)

Going beyond the fuzzy dark matter model, we present the construction of multi-state configurations of the Gross-Pitaevskii-Poisson system that rules the dynamics of this matter, their stability, mechanism of formation and application in galactic astrophysics.

Author: GUZMÁN, Francisco S. (Universidad Michoacana de San Nicolás de Hidalgo)

Presenter: GUZMÁN, Francisco S. (Universidad Michoacana de San Nicolás de Hidalgo)

Session Classification: QM, PARTICLES, ATOMS, NUCLEI, SNOVAE MERGERS, QED, BHS, GRBS, COMPACT STARS