

Macro dark matter selfgravitating halos around galaxies

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A new family of nonrelativistic, Newtonian non quantum equilibrium configurations describing galactic halos is introduced taking into account a new possibility to identify particles with masses larger than 1 GeV as components of the dark matter. This possibility may have important implications on the formation of very massive

particles during the big bang. The obtained results are in accordance with the requested values in mass and radius consistent with the rotation velocity curve observed in the Galaxy.

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