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## Dense hadronic matter in compact stars

The existence of stars with masses up to 2 M\_S and the hints of the existence of stars with radii smaller than about 11 km seem to require, at the same time, a stiff and a soft hadronic equation of state at large densities. We argue that these two apparently contradicting constraints could be actually an indication of the existence of two families of compact stars: hadronic stars, whose equation of state is soft, can be very compact, while quark stars, whose equation of state is stiff, can be very massive. In this respect, a crucial role is played, in the hadronic equation of state, by the delta isobars whose early appearance shifts to large densities the formation of hyperons.

Primary author: LAVAGNO, Andrea (TO)

Co-authors: DRAGO, Alessandro (FE); PAGLIARA, Giuseppe (FE)

Presenter: LAVAGNO, Andrea (TO)