

Antikaons in dense matter: from atoms to K^-pp and other beasts

Monday, 2 June 2014 09:30 (0:30)

Collaboration

Abstract content

Recent studies of kaonic atoms, few-body kaonic quasibound states and kaonic nuclei based on s-wave $\bar{K}N$ chiral interaction models that are consistent with the SIDDHARTA K^- hydrogen data are reviewed, focusing on the K^-pp dibaryon. Remarks are made on low-lying dibaryons other than $\Lambda(1405)N$, particularly those involving p-wave interactions of pions with octet baryons.

Primary author(s) : GAL, Avraham (Hebrew University)

Presenter(s) : GAL, Avraham (Hebrew University)

Session Classification : Plenary Session