

kaonic atoms and nuclear clusters

Wednesday, 14 May 2014 09:30 (30 minutes)

In this talk I will review recent studies of kaonic atoms, few-body kaonic quasibound states and kaonic nuclei, with emphasis on implementing the sub-threshold energy dependence of the \bar{K} -N interaction in chiral interaction models that are consistent with the SIDDHARTA kaonic hydrogen data. Remarks will be made on the possible role of the p-wave $\Sigma(1385)$ resonance with respect to that of the s-wave $\Lambda(1405)$ resonance in searches for strange dibaryons

Presenter: Prof. GAL, Avraham (Hebrew University, Jerusalem)

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