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Type: **Theory talk**

Recent progress on few-body hypernuclei

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In this talk I will briefly review recent progress on two problems in few-body hypernuclei:

- (i) The Lambda-3H (hypertriton) lifetime puzzle [1,2,3].
- (ii) The onset of binding in Lambda-Lambda hypernuclei [4,5].

References:

- [1] A. Gal, H. Garcilazo,
Towards resolving the hypertriton lifetime puzzle,
Phys. Lett. B 791 (2019) 48.
- [2] Lifetime of the hypertriton,
F. Hildenbrand, H.-W. Hammer,
Phys. Rev. C 102 (2020) 064002.
- [3] Revisiting the hypertriton lifetime puzzle,
A. Perez-Obiol, D. Gazda, E. Friedman, A. Gal,
Phys. Lett. B 811 (2020) 135916.
- [4] L. Contessi, M. Schaefer, N. Barnea, A. Gal, J. Mares,
The onset of Lambda-Lambda hypernuclear binding,
Phys. Lett. B 797 (2019) 134893.
- [5] H. Le, J. Haidenbauer, U.-G. Meissner, A. Nogga,
S-shell Lambda-Lambda hypernuclei based on chiral interactions, arXiv:2103.08395 (submitted to EPJA).

Collaboration

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