

4th Jagiellonian Symposium on Advances in Particle Physics and Medicine



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Invited talk: Pionic atoms and chiral symmetry

Monday, 11 July 2022 16:30 (20 minutes)

We have been working on pionic atoms to extract information on the chiral symmetry of the vacuum at the nuclear density. In the recent analysis, we evaluated the chiral condensate at the normal nuclear density (arXiv: 2204.05568). In 2021, we have conducted a new systematic measurement of pionic atoms along the long chain of the Sn nuclei. I will report the recent progress and the future perspectives.

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