

Fundamental Physics Using (Anti)hydrogen Atoms: ALPHA at CERN and HAICU at TRIUMF

Friday, 15 March 2024 10:25 (40 minutes)

“Precision comparisons between antihydrogen and its well-studied counterpart, hydrogen, enable tests of fundamental symmetries and principles, such as CPT invariance and Einstein’s Equivalence Principle. Over the past 25 years, experiments at CERN’s antiproton facility have achieved significant progress. In this talk, I will discuss recent developments by the ALPHA experiment at CERN. Additionally, I will introduce our new project, HAICU (俳句), at TRIUMF, which aims to develop anti-atomic fountains and anti-atom interferometers, using hydrogen as a proxy for its antimatter counterpart.”

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