

# WPCF 2023 - XVI Workshop on Particle Correlations and Femtoscopy & IV Resonance Workshop 2023



Contribution ID: 56

Type: **Invited**

## Matter - antimatter interactions

*Tuesday, 7 November 2023 16:45 (25 minutes)*

Hadron physics faces several challenges nowadays. On the one hand the field moves towards the search of exotic states beyond the predictions of the quark model, while on the other the detailed knowledge of the effective interaction among hadrons is still an open issue. The nature of the strong interaction between particles is also a fundamental problem in various areas of nuclear physics and astrophysics. Of particular interest is probing the matter-antimatter interaction at low relative momentum, which could determine whether a given baryon pair forms a bound state (referred to as baryonia).

This talk aims at cross-experimental review of the matter-antimatter interaction measurements, with a focus on the results obtained with correlation techniques.

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**Session Classification:** Day 2 - Afternoon