

RCNP NUCLEAR PHYSICS THEORY SEMINAR

Title	Hadron-hadron interaction form two-particle momentum correlation in heavy ion collisions
Speaker	Dr. Kenji Morita (Yukawa Institute for Theoretical Physics, Kyoto University)
Date/Time	Monday, January 16, 2017, 13:30PM
Place	Lecture room 1, 6th floor, RCNP

Abstract:

I will talk about recently developing approach to extract hadron-hadron interactions from particle momentum correlations in heavy ion collisions. I will mainly focus on the correlations due to the final state interaction and the identical particle effect (also known as HBT effect). Then I will give a brief account of our recent works on proton-Omega correlations and Lambda-Lambda correlations which have some implications for the possible existence of $S=-3$ and -2 dibaryon states.

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