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Measurements of correlated hadron production with the ATLAS detector

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Abstract: We present studies shedding light on the correlated hadron production. This is an important source of information about the early stages of hadron formation and is not yet understood from first principles. In this talk, we will present the measurement of Bose-Einstein correlations using the ATLAS detector along with an analysis of the momentum difference between charged hadrons in high-energy proton-proton collisions. The latter allows the investigation of observables sensitive to the predictions of the quantized string model.

Author: WARBURTON, Andreas (McGill University, (CA))

Presenter: TODOROVA, Sarka (Centre National de la Recherche Scientifique (FR))

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