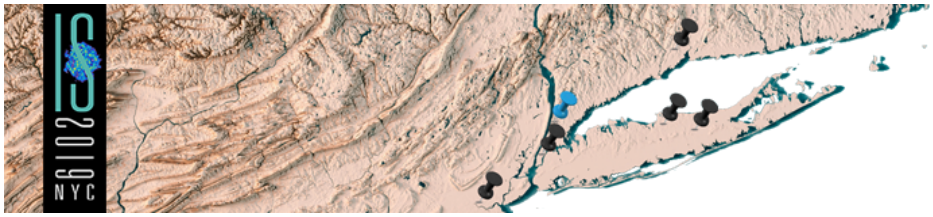

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Measurement of bottomonia in pp, pPb and PbPb collisions at 5.02 TeV with the CMS detector

Recent measurements of the $\Upsilon(1S)$, $\Upsilon(2S)$, and\Upsilon(3S)$ mesons in pp, pPb and PbPb collisions at 5.02 TeV are presented. The analysis was performed as a function of rapidity and transverse momentum. In addition, the dependence on the event activity and collision centrality is studied in pPb and PbPb collisions, respectively. New results of the upsilon production in pPb collisions will be reported, compared with the results from PbPb collisions. In this presentation, the results are discussed in terms of the 'cold nuclear matter' effects in pPb collisions and sequential melting scenario in dense partonic matter, as well as the effect from recombination of uncorrelated quarks. The results are also compared with theory models, which can help to improve and constrain the theoretical calculations.

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Track Classification: High pT probes of the initial state