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## Study of Upsilon(1S) flow in CMS

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The second-order Fourier coefficients  $(v_2)$  are expected to reflect the overlap region of colliding heavy ions. However, a non-zero  $v_2$  has been observed in high-multiplicity pp and pPb collisions where overlap does not exist. The CMS experiment collected data at a nucleon-nucleon center-of-mass energies 5.02 and 8.16 TeV for PbPb and pPb collisions, respectively. The dimuons were used to reconstruct the  $\Upsilon(1S)$  mesons. The Q-vector method is used for PbPb collisions while the long-range two-particle correlation technique is used for pPb collisions. The measurement of the  $\Upsilon(1S) v_2$  is reported for both heavy ion and small collision systems. The results are discussed in the context of collectivity and modification of heavy quark dynamics.

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