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Measurements of Top Quark Mass at the Tevatron in the dilepton final state MARYNA BORYSOVA[1], Kiev Institute for Nuclear Research, DZERO COLLABORATION — We report a measurement of the mass of the heaviest known standard model particle, the top quark, at the Fermilab Tevatron Collider in proton-antiproton collisions using a final state with the two leptons and two b quarks. For this measurement we use the matrix element technique, which is known to have the highest statistical precision. We analyzed the full D0 data set corresponding to an integrated luminosity of 9.7 fb^{-1}. The agreement with the D0 ℓ+jet measurements and influence on the top quark mass combinations are discussed.

[1]Presenting on behalf of the D0 Collaboration

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