A Method for the Detemination of the Top Quark Mass in the Dilepton+Jets Channel at DØ PETR HOMOLA, Czech Technical University in Prague, Czech Republic, DZERO COLLABORATION — We present a method for the determination of the mass of the top quark in the dilepton+jets final state based on full reconstruction of the $t\bar{t}$ system and weighting of the obtained solutions according to their consistency with the expected transverse momenta of the top quarks and neutrinos. This method has been succesfully applied to Monte Carlo simulations of data from the ATLAS experiment. A discussion on the expected performance of this method when applied to dilepton+jets samples selected by the DØ experiment in Run II will also be given.

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