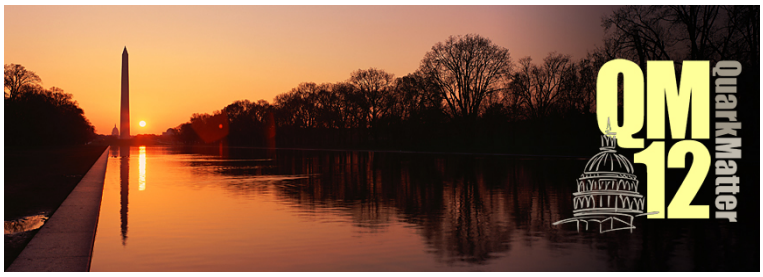

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Jet structure in 2.76 TeV Pb–Pb collisions at ALICE

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To capture the full dynamics of the mechanisms of energy loss of hard partons in their passage through the dense medium created in Heavy Ion Collisions, jet reconstruction is required. In this
analysis we explore the radiation pattern of jets in Pb–Pb collisions at sqrt(s_NN) = 2.76 TeV and compare it to that of baseline pp jets at the same collision energy. Di-jets are selected by requiring a high-pt ('trigger') fragment back-to-back with respect to the jet that is studied. Then, the shape and energy distribution of those quenched jets is explored via jet-hadron azimuthal correlations and via the mapping of the energy contained in different cones with radius R around the jet axis.

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