

Matching NLO with Parton Branching TMD's on inclusive Z and $b\bar{b}$ production

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We present NLO predictions from Powheg (POWHEG_BOX_V2) and MC@NLO merged with Parton Branching TMD's for inclusive Z and $b\bar{b}$ production. We compare predictions for range of mass $60 < M_Z < 120$ and $60 < M_{b\bar{b}} < 120$ (around Z mass) in order to study soft gluon radiation and resummation from quarks and gluons.

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