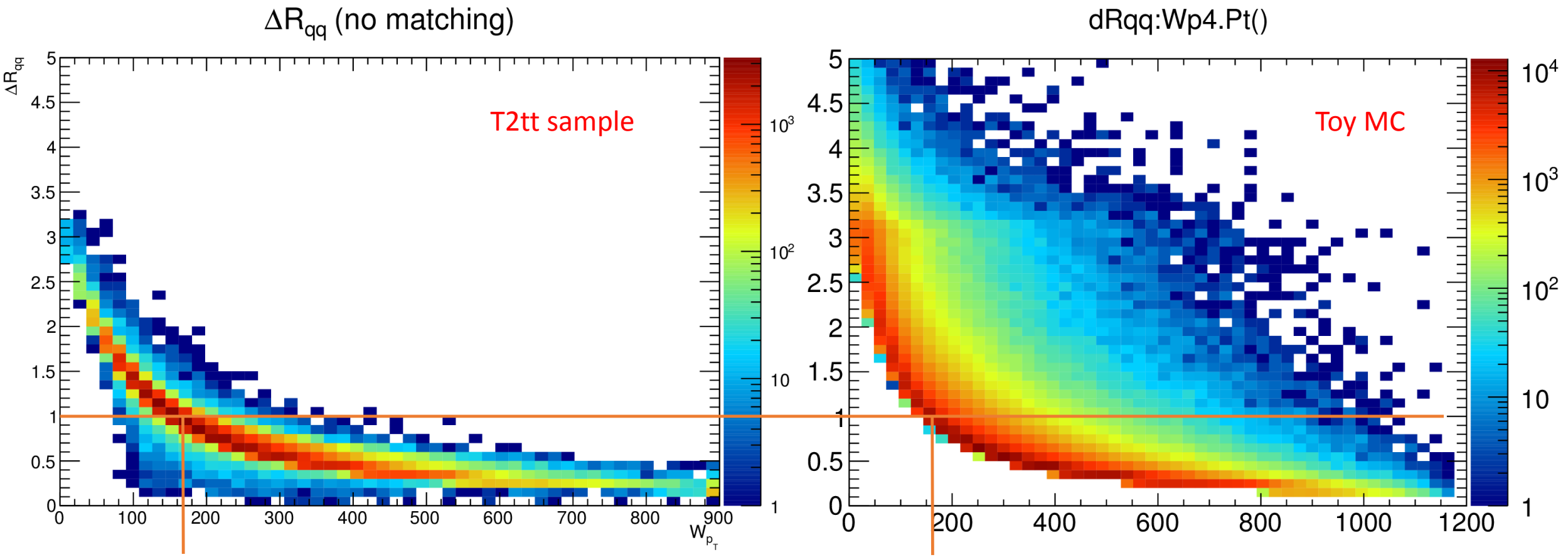
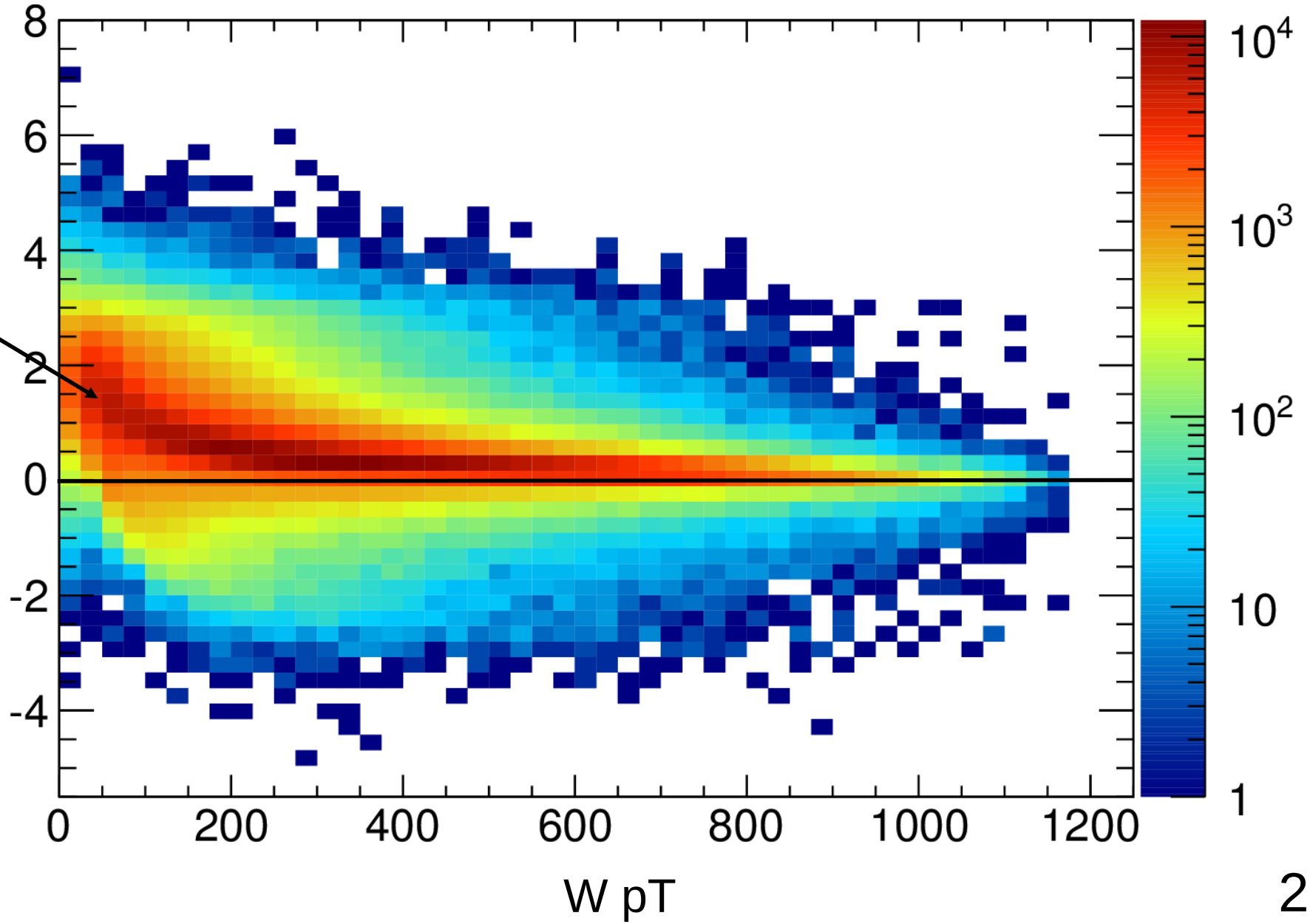
Benchmark: Quark Separation vs W p_T



$\Delta R_{qq} \approx 1$ for $W_{p_T} \approx 160$ GeV in both cases (good agreement)

$\Delta R_{qq} - \min(\Delta R_{bq_1}, \Delta R_{bq_2})$ vs W_{p_T}

At low W pT, quarks are further apart than the closest quark-b pair



At high W pT, quarks are still further apart than the closest quark-b pair

So q-b merges before q-q