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Do quarkonia thermalize at the LHC?

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We analyze the relative yields of different bottomonia and charmonia states produced in Pb+Pb collisions at LHC, within an ideal hadron resonance gas framework. The underlying assumption is the early thermalization and subsequent freezeout of these heavy hadrons resulting in their chemical freezeout at a temperature, significantly higher than that of light and strange hadrons. The systematic dependence of the freezeout temperature on the collision energy and centrality is investigated in detail.

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