



Heavy Ion Forum

SPEAKER: Johann Rafelski (University of Arizona (US))
TITLE: **Hadron production in Pb--Pb collisions at LHC**

DATE: Mon 12/11/2012 11:30
PLACE: TH Conference Room

ABSTRACT

I show that all hadron yields measured by the ALICE collaboration in Pb--Pb collisions at $\sqrt{s_{NN}}=2.76\text{TeV}$ are well described within the chemical non-equilibrium statistical hadronization model (SHM). Model parameters are obtained as function of geometric centrality of colliding ions. We predict yields of unobserved hadrons, and anti-matter production at the LHC. The physical properties of the quark-gluon plasma fireball particle source are obtained and analyzed.

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