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ALICE looks forward: ALICE measurements of dNch/deta over a broad eta range

Saturday, 7 November 2015 09:00 (25 minutes)

An overview of ALICE results on the charged–particle pseudorapidity density measured over a broad range ($|\eta| < 5.0$)
in \mbox{p–Pb} collisions at $\sqrt{s_{\rm NN}}$ =5.02 TeV and \mbox{Pb–Pb} collisions
at $\sqrt{s_{\rm NN}}$ =2.76 TeV is presented.
This includes extension of the previous measurements reported by ALICE into more peripheral collisions and with higher granularity for \mbox{Pb–Pb} and a broader η range in \mbox{p–Pb}.
The measurements in the forward regions are performed using the Forward Multiplicity Detector (FMD).
The FMD signal is dominated by secondary particles produced in surrounding material necessitating the use of a data–driven approach
to extract the primary charged-particle density.
The results are compared to predictions from various models.

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