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First LHCb results from pA and PbPb collisions

The LHCb experiment has the unique property to study heavy ion interactions in the forward and backward hemisphere in a kinematic region not accessible to the general purpose detectors, thanks to its forward acceptance $2 < \eta < 5$, and the possibility to study proton-lead collisions for both orientations of the beams. Furthermore, using the possibility to inject gas into the interaction region, it is in the unique position to do also fixed target physics.

Results include measurement of prompt D^0 meson production in pPb collisions at LHCb, the first forward measurement of Z production in pPb collisions as well as a measurement of the nuclear modification factor and forward-backward production of prompt and displaced J/ψ , $\Psi(2S)$ and Υ . Recent results and news from the Pb-Pb, Pb-Ar, proton-He, proton-Ne and proton-Ar runs will be also presented, as well as future prospects.

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