

Abstract Submitted
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The capability of the ALICE detector to measure the production of b -quark containing hadrons¹ BJORN NILSEN, Creighton University, ALICE COLLABORATION — The production of heavy quarks in the high energy pre-thermal collision between heavy ions can be used as probes to help understand the nature of the later formed Quark Gluon Plasma and the strong force which dominates there. The semi-leptonic decay of B mesons and Σ baryons have a large enough lifetime to allow for improved identification. This in turn allows for the study of the effects of the QGP on the properties of the b -quark's. An analysis is being developed, based on simulations, to determine the feasibility of such a measurement. Results from this analysis will be presented.

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