



XXIV QUARK MATTER DARMSTADT 2014

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DCA and secondary vertex measurement of electron pairs using PHENIX-VTX

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The bottom quark is a powerful probe to study the characteristics of
QGP created in the high energy heavy ion collisions.

The bottom production can be measured using the non-prompt J/ψ from B
decays ($B \rightarrow J/\psi + X$).

It is possible to identify the J/ψ through electron pairs measuring
a displaced vertex position using the silicon vertex detector (VTX).

In this poster, we will report the current status of the analysis measuring
the DCA and secondary vertex of electron pairs from non-prompt J/ψ
decays with PHENIX-VTX.

On behalf of collaboration:

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