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Phenomenology of two photon emission for hot and dense quark gluon plasma

Friday 27 August 2021 13:00 (30 minutes)

We work on the important signature of quark gluon plasma (QGP) where effective quark mass incorporate in place of finite quark mass. Two photon spectra is plotted using quasiparticle treatment. The result from finite value of quark mass and effective quark mass are found almost same. This indicate that our calculation are not invalidate with the effect of effective mass of quark.

Therefore our result are fitted nicely and doesn't diverse in the presence of effective quark mass. The study is useful to explore more about the electromagnetic signals.

Is this abstract from experiment?

No

Name of experiment and experimental site

N/A

Is the speaker for that presentation defined?

Yes

Details

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Internet talk

Yes

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