

Peer Review

# Review of: "Exploring QGP-Like Phenomena with Charmonia in p+p Collisions at $\sqrt{s}=13$ TeV"

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Dear Editor,

The authors study the yield of charmonium and other states of charm-anticharm quarkonium in high multiplicity pp collisions.

The authors extrapolate the formalism for AA collisions to small systems of order 1 fm and study the yield of several quarkonium states. The main assumption is that high multiplicity pp systems can be considered as quark-gluon plasma. The work is interesting and can be published.

However, I would like to ask several questions that, in my opinion, could make the article more understandable:

1. whether this formalism can be extended to bottomium and if the results will be the same?
2. what are the parallel results for AA collisions, and whether they are qualitatively different?
3. there are some grammatical mistakes, say "glutons" in section 3B

## Declarations

**Potential competing interests:** No potential competing interests to declare.