

## Nuclear Experiment

# Dielectron continuum production from $\sqrt{s_{NN}} = 200$ GeV p + p and Au + Au collisions at STAR

Jie Zhao, for the STAR Collaboration

(Submitted on 30 Jun 2011)

We present the first STAR dielectron measurement in 200 GeV p + p and Au + Au collisions. Results are compared to hadron decay cocktails to search for vector meson in-medium modification in low mass region and quark gluon plasma thermal radiation in the intermediate mass region. The  $\omega \rightarrow e^+e^-$  spectra and the transverse mass distribution in the intermediate mass region are also discussed.

Comments: 4 pages, Proceedings for XXII International Conference on Ultra-relativistic Nucleus-Nucleus Collision (Quark Matter 2011), 22 - 28 May 2011, Annecy, France

Subjects: **Nuclear Experiment (nucl-ex)**; High Energy Physics - Experiment (hep-ex)

Cite as: [arXiv:1106.6146](https://arxiv.org/abs/1106.6146) [nucl-ex]

(or [arXiv:1106.6146v1](https://arxiv.org/abs/1106.6146v1) [nucl-ex] for this version)

## Submission history

From: Jie Zhao [[view email](#)]

[v1] Thu, 30 Jun 2011 08:54:51 GMT (42kb)

*[Which authors of this paper are endorsers?](#)*

## Download:

- [PDF](#)
- [PostScript](#)
- [Other formats](#)

## Current browse context:

nucl-ex

[< prev](#) | [next >](#)[new](#) | [recent](#) | [1106](#)

## Change to browse by:

[hep-ex](#)

## References & Citations

- [INSPIRE HEP](#)  
([refers to](#) | [cited by](#))
- [NASA ADS](#)

## Bookmark ([what is this?](#))

