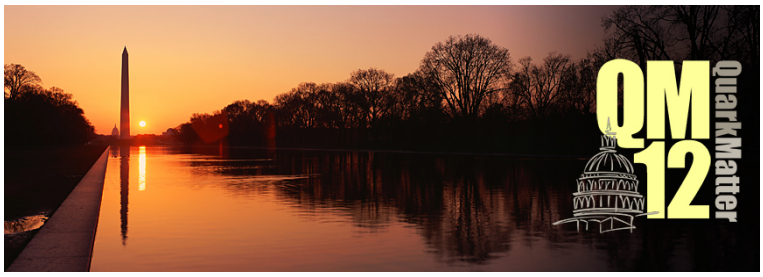

Contribution ID: **309** Type: **Poster**

Transverse momentum dependence of the low-mass dielectron enhancement - effects of radial flow

Thursday 16 August 2012 16:00 (2 hours)

PHENIX has measured the e^{+}e^{-} pair continuum in sqrt(s_{NN})=200 GeV Au+Au and p+p collisions over a wide range of mass and transverse momenta. The e^{+}e^{-} yield is compared to the expectations from hadronic sources, based on PHENIX measurements. We investigate the effects of radial flow on the transverse mass dependence of the dilepton spectrum in min. bias Au+Au collisions in the low mass region. The analysis results will be detailed in the region around the omega and phi mass, 0.7 < m_{ee} < 1.2 GeV as well as in the very low mass of m_{ee} < 0.15 GeV. Current status of the analyis of radial flow effects in the low mass region, 0.15 < m_{ee} < 0.7
GeV as well as consistency checks with HBT measurements will be
presented.

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Session Classification: Poster Session Reception

Track Classification: Electroweak probes