

# Suppression of Hadrons with Large Transverse Momentum in Central Au+Au Collisions at $\sqrt{s_{NN}} = 130 \text{ GeV}$

The first single-topic paper  
from the RHIC to become  
'renowned' – to have been cited  
at least 500 times.

ORNL researchers were part of a multi-laboratory,  
multi-university, and international effort to find a  
new state of matter, Quark Gluon Plasma (QGP)

- ❖ Ultrarelativistic heavy ion collisions were used to study strongly interacting matter at high temperature and density
- ❖ The decrease in the high  $P_T$  yield suggests the creation of dense, highly opaque nuclear matter, such as QGP