

S E M I N A R



Dr Isobel Kolbe
University of the Witwatersrand

Date:
Tuesday, 9 April 2024

Time:
13h15-14h15 SAST

Venue:

- P213, Physics Building, East Campus, WITS
- Online

Enquiries:
Email Farah-Naaz Samuels:
farah-naaz.samuels@wits.ac.za

The quark-gluon plasma at high densities and in small systems

ABSTRACT:

This talk is aimed at a broad audience with no prior knowledge of particle physics: I study the hottest and densest matter that has ever existed in the universe, the quark-gluon plasma (QGP). Today this matter is created at two gigantic particle colliders, one in Switzerland and one in the United States. I will give a broad introduction to the QGP and how it is studied, before touching on my own specific interests in this field. In particular, how the nature of the QGP is substantially different in atypical collisions such as very small colliding systems, or at lower energies.

WHO SHOULD ATTEND?

This is a colloquium talk intended to be accessible to honours and other postgraduate students. Familiarity with quantum field theory and group theory is NOT assumed.

All are welcome!

REGISTER: <https://bit.ly/4aFE1WL>

