## CHACAL 2024: Computing in HEP

## and Applications CNRS-Africa Lectures 15-27 Jan 2024, University of Witwatersrand, Johannesburg, South Africa

A new school funded by CNRS France-Africa international cooperation programme.

- Monte Carlo methods and Event Generator masterclasses

- Re-interpretation tools

- Machine learning: from basics to expert use, in HEP and beyond

- Quantum computing in HEP

KERR VALV





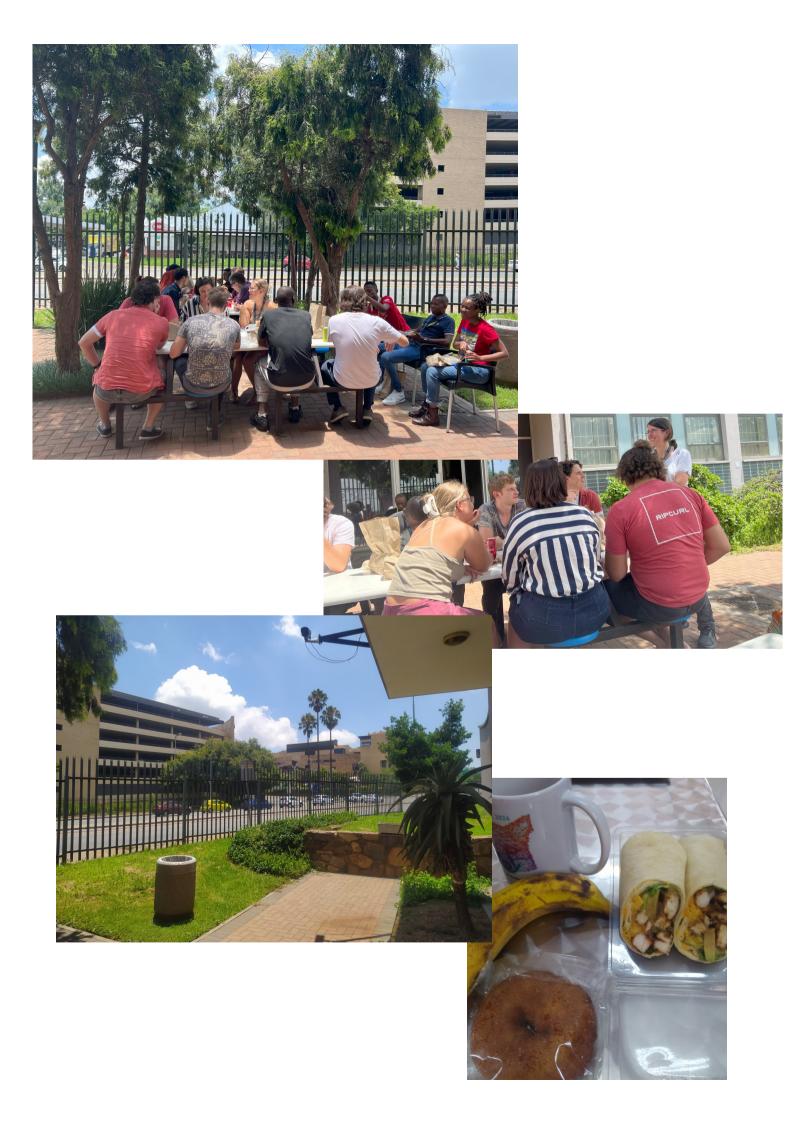








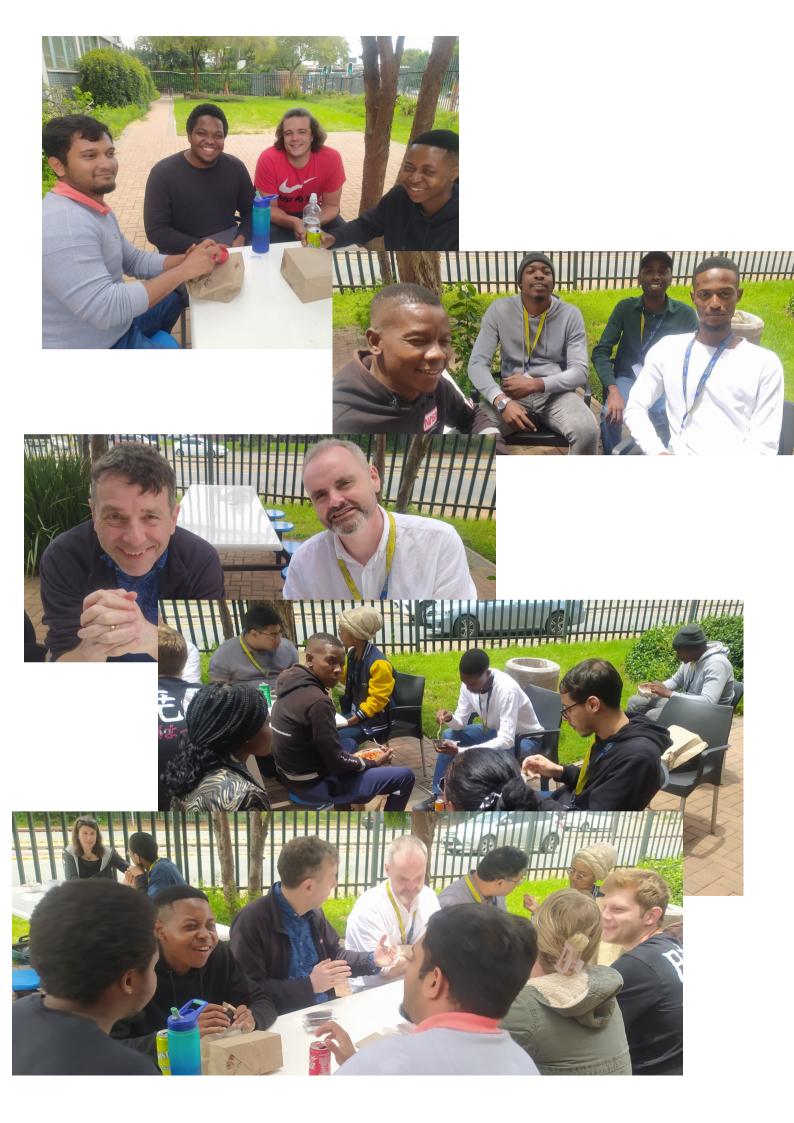






















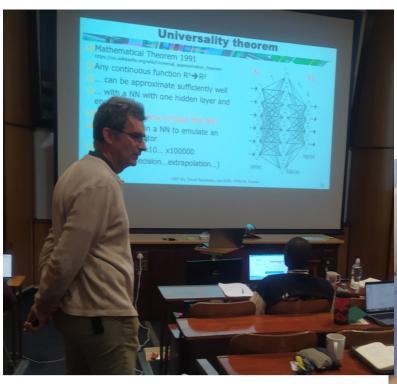


















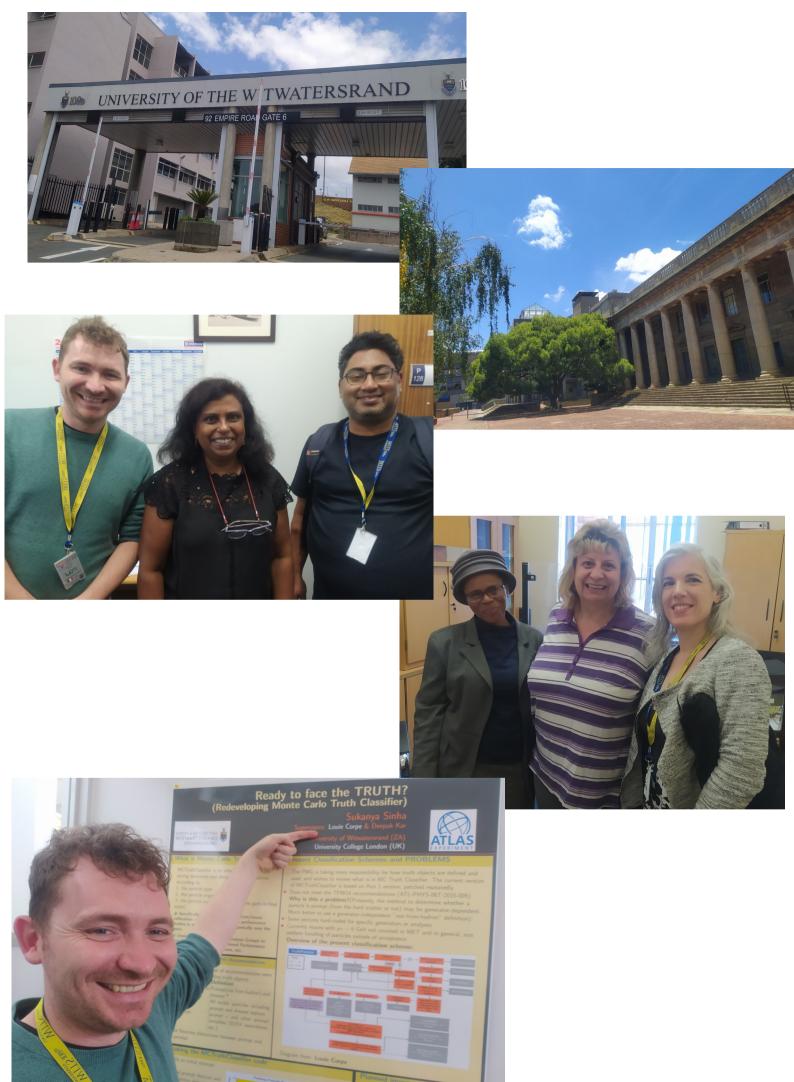


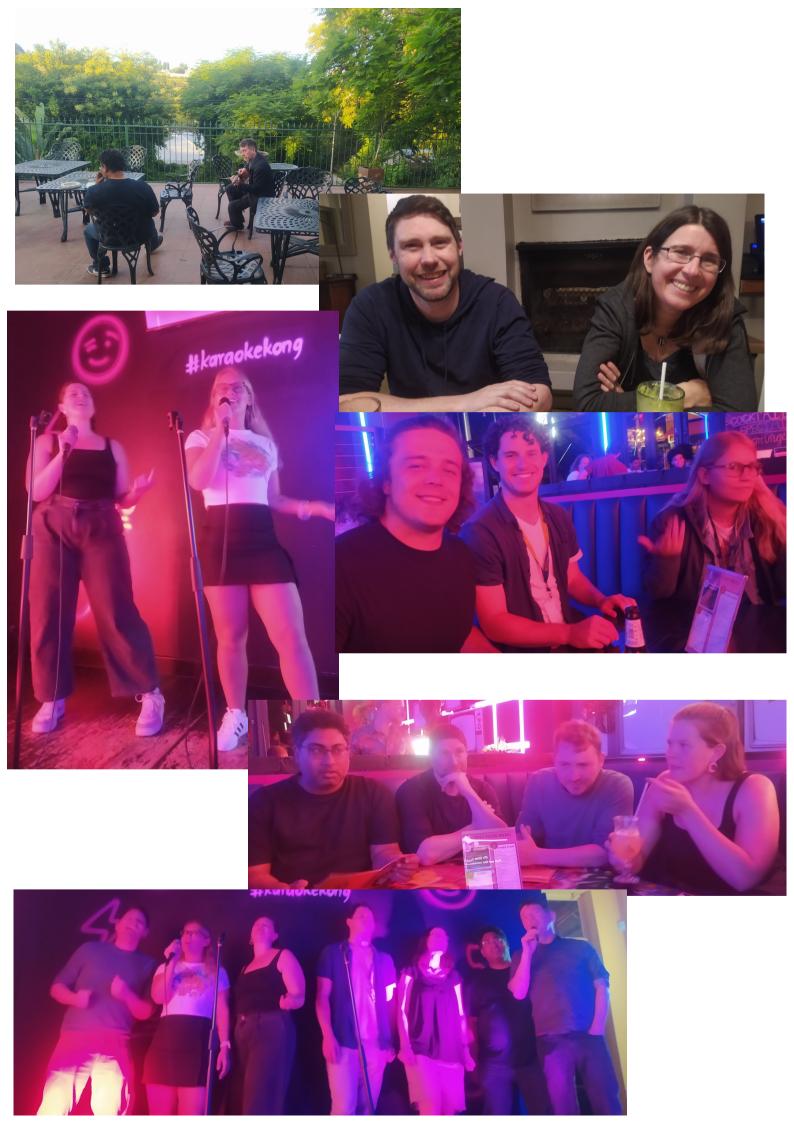


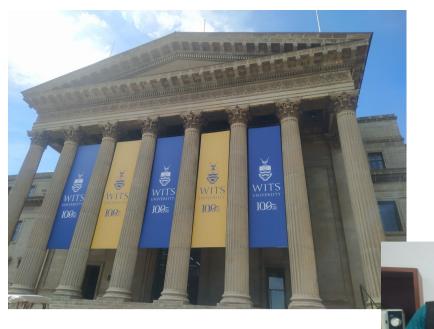
















SMARTHEP Data at The Late SMARTHEP Data at The Late SMARTHEP Data at The Late Collides protons every 25 ns, and can produce other/new particles

The LHC collides protons every 25 ns, and can produce other/new particles

The signals measure fundamental properties of matter,
Research goals: measure fundamental properties of matter,
discover new phenomena not included in the current theory
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