

Mini-School on Particle Physics

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Introduction to Elementary Particle Physics

Tuesday, 4 August 2020 - The Standard Model of Particle Physics (what we know so far, and what is still unanswered)

Tuesday, 11 August 2020 - Aspects of Particle Physics Calculations

- a. The Born approximation
- b. Mediating particles
- c. The Breit-Wigner Line Shape

Tuesday, 18 August 2020 - Aspects of Particle Physics Measurement

- a. Detector technology and experimental design
- b. The importance of simulation

Tuesday, 25 August 2020 - Neutrino Oscillations

Time: 14h00 – 15h00



Short bio: Sahal Yacoob is a member of the ATLAS collaboration at CERN. They have been studying experimental particle physics since 2002 and over the last 18 years has worked at Fermilab, and CERN. Sahal is currently a Senior Lecturer at the University of Cape Town. Their research includes aspects of detector development, any analysis design in order to further precision electroweak measurements. They are committed to driving diversity within academia.

Register in advance for this webinar:

https://ukzn.zoom.us/webinar/register/WN_vKrGQ2JGQDKhhgi5Zxl9Ow

After registering, you will receive a confirmation email containing information about joining the webinar.