



Second African Conference on Fundamental and Applied Physics ACP2021

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Type: **Invited Talk**

Nuclear Physics in Africa – Education, Research and Challenges

Thursday, 10 March 2022 10:00 (25 minutes)

African development depends on its array of technological advancement and human-capital resources. Nuclear physics has proven to be part of the essential area that has contributed to the ongoing industrialization from the inception of Manhattan project. Meanwhile, African countries are still in the crawling stage despite the abundance of intellectual capacities and abundance resources. The focus of this talk will be on the available nuclear physics research facilities in Africa, as compiled by the IAEA physics section, and their various research applications ranging from basic and fundamental research, analytical services, medical, as well as environmental radiation. The role of African government policies towards the advancement of science and technology will also be mentioned.

Abstract Category

Presenter: USAM, Iyabo (University of the Witwatersrand, South Africa)

Session Classification: Physics Plenary (5)