

Biography

Dr. Mabiala is a lecturer of Physics at Prairie View A&M University. He completed his undergraduate studies in 2004 at the Marien Ngouabi University in Brazzaville (Republic of Congo) where he received his Bachelors of Science in Physics. In 2007, he was accepted at the African Institute of Mathematical Sciences (AIMS) in South Africa where he completed his postgraduate diploma in Mathematical Sciences and then joined the Department of Physics at Stellenbosch University the same year for his doctoral studies. There he studied under Prof. A.A. Cowley as part of the nuclear physics group affiliated to the iThemba Laboratory for Accelerator Based Sciences (LABS). After receiving his PhD in experimental nuclear physics in 2010, he spent one year as a joint postdoctoral fellow between Stellenbosch University and iThemba LABS. In 2011, he joined the Yennello Research Group at the Texas A&M University cyclotron institute for a postdoctoral research associate position where he spent three years and from 2014 to 2016 he worked at the INFN - Laboratori Nazionali di Legnaro (Italy) as a postdoctoral researcher. Dr. Mabiala joined the Chemistry and Physics department at Prairie View A&M University since 2017. His research focuses in Fermi-energy heavy-ion collisions, investigation of the nuclear phase transition, and the studies of nuclear structure of the nuclei. Dr. Mabiala has co-authored over 20 articles in high impact journals and has presented several talks at international Nuclear Physics conferences.