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African collaborations and related benefits

In this paper, I will present on the successful collaborations and initiatives in physics in Africa. There are available funding streams for Africa collaborations from South African NRF and MRC. The examples of bilateral funding between South Africa-Zambia, SA-Egypt, and SA-Algeria, to mention but a few, have continued for many years, benefiting many South African researchers. The collaboration with Africa allows for South Africa to train brilliant minds from Africa and receive innovations for the continent. Physics initiatives like Fundamental Physics program and conference, focusing on high energy physics, ASESMA for electronic materials and structure, taking place bi-annually, traveling in Africa, and AIMS with offices in West-Africa, East Africa and South Africa are important for IUPAP - C13 - physics for development. In addition, there are also international funding like EU-Africa, SWISS-South Africa-Africa, French-South Africa and Astronomy related projects. The funded projects by South Africa at ESR, CERN, and JINR are benefiting Africa and relate to addressing skills issues for development. A recent example to EU funded project, managed by SANEDI is LEAP-RE which has produced a motorbike which was tested here in Africa, with University of Stellenbosch and Kenya. The bike was driven from Nairobi to Stellenbosch and completed the trip successfully. Also, the Africa- Materials Research Society (AMRS) taking place bi-annually is a very successful inter-disciplinary, intra-disciplinary project towards African development and attaining sustainable development goals

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