

The Role of Inter-Africa UK Collaboration in Improving Nuclear Instrumentation for Research and Development in Africa

Over the last decade, the role and importance of nuclear science and technology cannot be overestimated. Humankind have benefited from many advantages of nuclear technology including power production, health benefits, food, and environmental safety, agricultural development as well as security. Such benefits are the results of continuous research efforts and knowledge expansion in nuclear physics. The success of such researches requires the development of research and development (R&D) nuclear instrumentation. Reliable instrumentation for nuclear measurements is vital for the safe and effective use of several nuclear techniques and technology. Nevertheless, most developing countries are far behind developed countries in terms of nuclear instrumentation. This causes either lack of reliable nuclear researches or difficult conditions of doing nuclear researches in these countries leading to failure to take full advantage of the available nuclear technology, which could hugely boost the economies of these countries. In order to ease the situation, research collaborations between the less developed, developing and developed countries have always been suggested so as to take advantage of the available nuclear instruments. This makes nuclear instrumentation an important point of focus for collaborations between African countries and the United Kingdom (UK). This talk will highlight the importance of the inter-Africa and United Kingdom (UK) collaborations in the development of nuclear instrumentation and nuclear technology in Africa.

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