## First Biennial African Conference on Fundamental Physics and Applications



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## Argon Emulation in The Simulation of The ATLAS Transition Radiation Tracker

Monday 2 July 2018 14:55 (15 minutes)

Implementation of gas type emulation in the digitization software of the ATLAS TRT. The primary purposes of emulation are to be able to accommodate for a sudden change in the gas mixture used for data, and for efficiently simulating different gas type geometries to test particle identification performance.

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