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P2.41: Performance testing of gas-tight portable RPC for muography application

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Muography is a technique used for scanning by analysis of muon interaction with a target object. Our aim is to develop a portable gas sealed RPC detector prototypes for muography application and to test it for long-term operation to ensure gas stability. For this purpose, various experiments have been conducted such as the I-V curve (which gives information about the working voltage), efficiency with respect to the trigger from plastic scintillators and time response.

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