



Contribution ID: 33

Type: **oral presentation**

Performance of FOPI MMRPC Barrel in Recent Heavy-Ion Experiments

Tuesday, 7 February 2012 15:00 (20 minutes)

The FOPI experiment has upgraded its Time-of-Flight detection system with a glass based RPC detector. This implementation is unique since readout electrodes are 1.64 mm narrow strips 90 cm long. Each counter is composed of 16 strips and referred to as the Multi-strip Multi-Gap Resistive Plate Counter (MMRPC). Counters are placed around the Central Drift Chamber of FOPI forming a cylindrical shell –the Barrel. Full MMRPC Barrel has 2400 strips that are readout from both ends. We will discuss its performance in recent HI experiments.

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Session Classification: Performance of RPC systems

Track Classification: Performance of RPC systems