

FOPI MMRPC ToF Barrel

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We report on the performance of the FOPI Time-of-Flight (ToF) Barrel in a Heavy-Ion (HI) collision experiments. The Barrel is made out of Multi-strip Multi-Gap Resistive Plate Counters (MMRPC), where each counter has 16 strips with the pitch of 2.54 mm. Strips are 90 cm long and read out from both sides. With such system we have repeatedly obtain the ToF resolution better than 95 ps. The features of the narrow multi-strip design are outlined, particularly in respect to the multi-hit detection performance.

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