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## **Aging test of high rate MRPC**

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The Compressed Baryonic Matter (CBM) experiment, proposed at the future Facility for Antiproton and Ion Research (FAIR) in Darmstadt, has decided to use MRPC technology to build the TOF wall. Compared with other experiments (for instance Alice, STAR, et al), CBM-TOF requires a rate capability for MRPC as high as 20 kHz/cm<sup>2</sup>. Tsinghua University is a group member of CBM-TOF and is doing research on low-resistivity glass and high rate MRPC. The volume resistivity of our glass is on the order of 10<sup>10</sup> Ωcm. Time resolution of high rate MRPC can reach 50ps and its rate capability can reach up to 300 kHz/cm<sup>2</sup>.

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