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## A new self-stretching method for large size GEM assembly

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We have improved the self-stretching GEM assembling technique that was initially developed at CERN for the CMS GEM upgrade project. With this improved technique, we can build GEM detectors at a scale of > 1m that still preserve very good gain uniformity. The stretching of GEM foils is of high quality and gas tightness is well ensured in GEM detectors built with the technique. This report presents details of the improved self-stretching technique for large-size GEM assembly and some test results of a large-size GEM prototypes built with the technique.

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