

Recovery Time Measurements of the Hamamatsu Linear Assembly SiPM

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Abstract. The pixel recovery time of the Hamamatsu SiPM linear assembly was measured. The assembly contains eight SiPMs of 2.8 mm active area diameter; pixel size is 15 x 15 μm^2 . The assembly is used in calorimeters of the CMS experiment. The measurements were made for two groups of pixels: 49 and 17 pixels. Recovering time was found as 7 ns and 6 ns respectively. The amplifier of 40 db and digital oscilloscope TDS3052 Tektronix were used when measurements.

Primary author(s) : Ms. BYCHKOVA, Oksana (MEPhI); Mr. ILYIN, Andrey (MEPhI); Mr. KAYUMOV, Fred (LPI, MEPhI); Mr. PARYGIN, Pavel (MEPhI); Mr. PHILIPPOV, Dmitry (MEPhI, LPI); Dr. POPOVA, Elena (MEPhI); Mr. STIFUTKIN, Aleksey (MEPhI); Dr. VINOGRADOV, Sergey (LPI, MEPhI)

Presenter(s) : Mr. KAYUMOV, Fred (LPI, MEPhI)

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