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mPSD data monitoring at mCBM experiment

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The CBM experiment at the FAIR accelerator complex is aimed at studying hot compressed baryonic matter. A mini CBM (mCBM) facility was developed at the SIS18 accelerator at GSI, Darmstadt, Germany to test prototypes of detector subsystems for the CBM experiment, front-end and readout electronics at high intensities of the heavy ion beam. The mCBM project includes a prototype of the forward hadron calorimeter PSD, the so-called "mini-PSD"(mPSD). Within the preparation to the mCBM experimental test runs, software modules for mPSD were developed. These software modules were introduced into the general data readout system, and are responsible for reading and storing the information of the mPSD detector. The mPSD online monitoring software module with quality control of the data will be discussed.

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