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Track Based Alignment of the CMS Muon Detectors in Run II

YURIY PAKHOTIN, AYSEN TATARINOV, LUCA PERNIE, TERUKI KAMON, ALFREDO CASTANEDA, ALEXEI SAFONOV, TAMU Physics and Astronomy Department, CMS COLLABORATION — The muon detectors of the CMS experiment provide fast trigger decisions, muon identifications and muon track measurements needed for reconstructing the momentum of high p_T muons. Accurate measurements of high momentum muons will be important for probing new physics in the newly ongoing run II of the LHC. A track-based alignment procedure for the CMS muon chambers and a discussion of the current status of data based Muon Alignment is presented.

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