Using RPC Data to Assist CSC Data when Dealing with Pt Assignment

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— The Compact Muon Solenoid’s (CMS) two main detectors used in the endcaps, the CSC and RPC, are positioned closely together [1]. This means that, while the RPC’s main function is one of time synchronization and the CSC’s is one of precise position measurement, the former may be able to be used as a supplement to the latter’s data when assigning the momentum value (Pt) to a muon passing through the two detectors. Using the RPC’s positions variable (Phi), a comparison was made between it and the CSC’s Phi reading in order to determine whether there was sufficient correlation between them to use the RPC’s data where the CSC has gaps. Preliminary results on this analysis will be presented.