

Abstract Submitted  
for the DNP08 Meeting of  
The American Physical Society

**PHENIX RPC Production Database** TIMOTHY JONES, Abilene Christian University, PHENIX COLLABORATION — The Pioneering High Energy Nuclear Interaction eXperiment (PHENIX) is located on the Relativistic Heavy Ion Collider (RHIC) ring at Brookhaven National Laboratory. A primary physics goal that can be studied by PHENIX is the origin of the proton spin. One of the types of rare events looked for in the moun arms at PHENIX are single high transverse momentum mouns, which tend to result from the decay of a W bozon. Resistive Plate Chambers (RPCs) will be used as a level 1 trigger to select these events from a large background of low transverse momentum muons. As these RPCs are assembled it is necessary to keep track of the individual parts of each RPC as well as data from various quality assurance tests in a way that will allow the information to be easily accessible years to come as the RPCs are being used. This is done through the use of a database and web page interface that can be used to enter data about the RPCs or to look up information from tests. I will be presenting on how we keep track of the RPCs, their parts, and data from quality assurance tests as they are being assembled as well as how we can retrieve this data after it has been stored in the database.

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Date submitted: 01 Aug 2008

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