

Abstract Submitted
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Pressure and temperature dependence of gas amplification gains in R134a-isobutane-SF6 mixtures for RPCs JOHN WOOD, Abilene Christian University, PHENIX COLLABORATION — The PHENIX first level muon trigger upgrade will include dedicated muon tracking spectrometers based on resistive plate chamber (RPC) technology. We have studied the pressure and temperature dependence of gas amplification in typical gas mixtures expected for the RPC application in PHENIX.

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