Measurement of CP Violation in $B^{\pm} \to \pi^{\pm}\pi^{+}\pi^{-}$ Decay Channal at Large Hadron Collider

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Abstract: A set of selected data samples which were collected by LHCb[1] in 2011 are studied. Contained $B^{\pm} \to \pi^{\pm}\pi^{+}\pi^{-}$ decays in magnet "up" and "down" polarity are constructed.Global CP asymmetry in this channal is measured to be $A_{CP} = 0.135 \pm 0.023 \pm 0.010$, in which the first and second uncertainties are statistical and systematical respectively.

1 Introduction

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2 Theory

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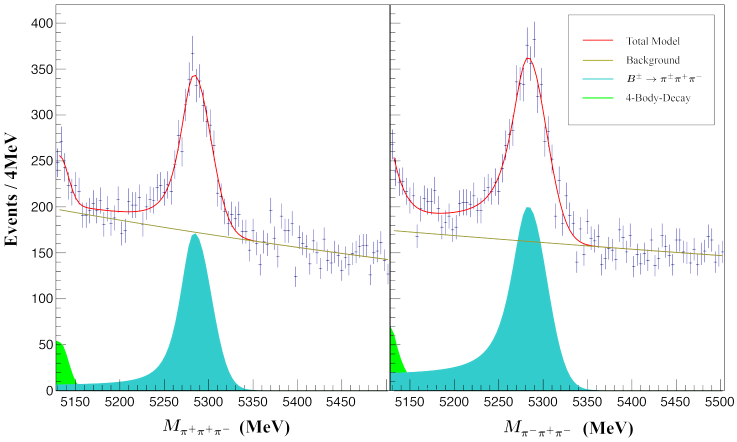

Figure 1: this is a figure demo

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3 Conclusions

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4 Results

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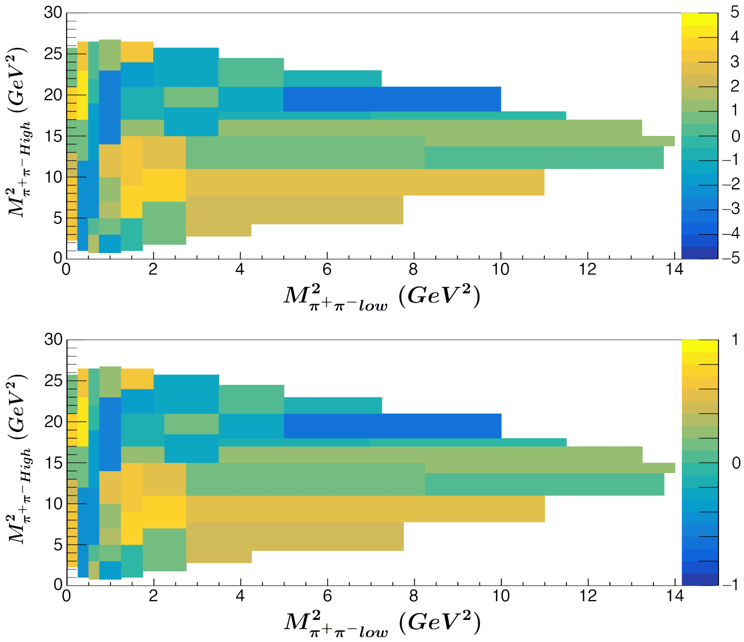

Figure 2: this is a figure demo

Start	Character Block Name
3400	graphs Extension A
4E00	CJK Unified Ideographs

Table 1: asdsada

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5 Ref

References

[1] A. A. Alves Jr. et al. The lhcb detector at the lhc,. *JINST 3 (2008) S08005.*