# Effects of top quark mass reconstruction by using jet electric charge

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(Received !Month !day 2016)

A jet charge can be used to determine correct lepton and b jet pair. We researched about effect of jet charge to reconstruct top quark mass.

PACS numbers: 14.65.Ha

Keywords: LHC Delphes FASTSIM Jet Charge Top mass measurement

#### I. INTRODUCTION

Since LHC operation, many scientists have focus on jet's substructure because of improving of detector space resolution. A jet charge can be measured more precisely from LHC data. [1]

Introduction [2]

Introduction Introduction

### II. EXPERIMENTS AND DISCUSSION

Experiments and discussion Experiments and discussion Experiments and discussion Experiments and discussion Experiments and discussion

## III. CONCLUSIONS

CONCLUSIONS CONCLUSIONS CONCLUSIONS CONCLUSIONS

#### ACKNOWLEDGMENTS

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## REFERENCES

[1] G. D. Hong and Jang Lee, J. Korean Phys. Soc. 44, L1 (2004).

[2] S. H. Yoon, J. Korean Phys. Soc. 41, 37 (2002).

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Table 1. Caption Caption Caption Caption.

1	2	3	4
2	4	6	8

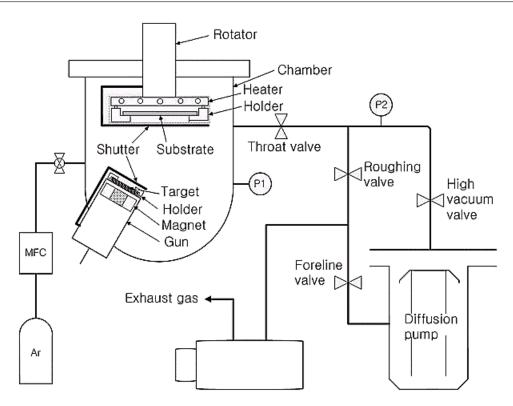


Fig. 1. caption Caption Caption Caption.

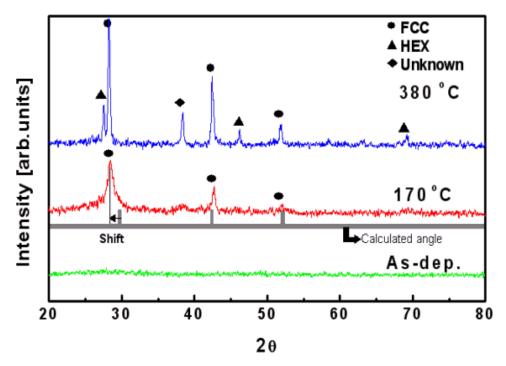


Fig. 2. caption Caption Caption Caption.