

Galaxy-dark matter offsets in galaxy clusters / groups of the Illustris simulation

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ABSTRACT

Key words: – methods: statistical

1 INTRODUCTION

2 DATA

2.1 Test data from Gaussian mixture(s)

2.2 Data from the Illustris simulation

2.2.1 Properties of the galaxy clusters / groups

2.2.2 Data preprocessing / selection

2.2.3 Data with and without noise

2.2.4 Volume Selection

2.2.5 Galaxy Selection

2.2.6 Galaxy weights

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3.2 DM Centers

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6 ACKNOWLEDGEMENTS

APPENDIX A: KDE

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