

SOME TITLE

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Draft version March 10, 2016

Abstract

Here Charles can write an abstract.
Subject headings: dark matter — Galaxy: halo — Galaxy: kinematics and dynamics

FIG. 1.— ...

We want to cite Aarseth (2003), who is referenced in Sec. 1. He came up with the equation

$$M(r) = \frac{GM}{r^2}. \quad (1)$$

1. INTRODUCTION

Just some introduction

3. CONCLUSIONS

2. SOME NAME

2.1. ...

ACKNOWLEDGEMENTS

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REFERENCES

Aarseth, S. J., 2003, Gravitational N-Body Simulations
 (Cambridge University Press) 2.1

TABLE 1
ELLIPSE, 2D SÉRSIC, AND 2D GAUSS FITS TO THE N -BODY MODELS

Model	$r_{eff,0}$ [pc]	a [pc]	a [deg]	ϵ	Sérsic n	Sérsic r_{eff} [deg]	Sérsic ϵ	Gauss σ_1 [deg]	Gauss ϵ
1	30	29	0.012	0.05	1.1	0.013	0.09	0.010	0.05
2	37	35	0.014	0.05	1.1	0.020	0.02	0.013	0.04
3	45	53	0.022	0.11	1.5	0.047	0.13	0.027	0.15
4	52	128	0.052	0.40	1.2	0.093	0.15	0.054	0.26
5	60	142	0.058	0.03	1.4	0.219	0.39	0.108	0.39
6	67	310	0.123	0.48	1.4	0.395	0.57	0.213	0.61