

Star formation rate bimodality in the sSFR-mass plot

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ABSTRACT

Key words: keyword1 – keyword2 – keyword3

1 INTRODUCTION

OUR QUESTION WAS: What are the physical processes that determine the quenching of the sSFR for a fraction of the more massive galaxies? Is the development of such processes related to the age of the galaxy?

There is bimodality in sSFR vs mass plot [Kauffmann et al. \(2003\)](#)

I want to search for a model that takes into account both active and passive galaxies

2 METHODS

2.1 Material (SDSS and Cigale)

2.2 Theoretical frameworks....

2.3 Models to test

closed box, open box, mixed..

2.4 Maths

Simple mathematics can be inserted into the flow of the text e.g. $2 \times 3 = 6$ or $v = 220 \text{ km s}^{-1}$, but more complicated expressions should be entered as a numbered equation:

$$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}. \quad (1)$$

Refer back to them as e.g. equation (1).

2.5 Figures and tables

Figures and tables should be placed at logical positions in the text. Don't worry about the exact layout, which will be handled by the publishers.

Figures are referred to as e.g. Fig. 1, and tables as e.g. Table 1.

Figure 1. This is an example figure. Captions appear below each figure. Give enough detail for the reader to understand what they're looking at, but leave detailed discussion to the main body of the text.

Table 1. This is an example table. Captions appear above each table. Remember to define the quantities, symbols and units used.

A	B	C	D
1	2	3	4
2	4	6	8
3	5	7	9

3 DISCUSSION

The last numbered section should briefly summarise what has been done, and describe the final conclusions which the authors draw from their work.

4 SUMMARY

Summary

REFERENCES

Kauffmann G., et al., 2003, [Monthly Notices of the Royal Astronomical Society](#), 346, 1055

APPENDIX A: SOME EXTRA MATERIAL

If you want to present additional material which would interrupt the flow of the main paper, it can be placed in an Appendix which appears after the list of references.

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