MNRAS **000**, 1–1 (2015) Preprint 14 June 2017 Compiled using MNRAS LATEX style file v3.0

Galaxy Zoo: Star Formation Histories in the COSMOS Survey

1★ 2 2,3 3
1 2 3

Accepted XXX. Received YYY; in original form ZZZ

ABSTRACT

Key words: keyword1 – keyword2 – keyword3

1 INTRODUCTION

2 METHODS

Starpy from becky's paper Smethurst et al. (2015). Becky's group environment paper Smethurst et al. (2017). UltraVista catalogue paper Muzzin et al. (2013)

3 DATA

3.1 Multi-wavelength data

This study is based on a K_s-selected catalog of the COSMOS/UltraVISTA field from Muzzin et al. (2013). The catalog contains PSF-matched photometry in 30 photometric bands covering the wavelength range 0.15μm $\rightarrow$ 24μm and includes the available *GALEX* (Martin et al. 2005), CFHT/Subaru (Capak et al. 2007), UltraVISTA (McCracken et al. 2012), S-COSMOS (Sanders et al. 2007), and zCOSMOS (Lilly et al. 2009) datasets.

4 MODEL

$$\mathrm{SFR}(t) = \begin{cases} \mathrm{SFR}_0(t_q) & t \leq t_q \\ \mathrm{SFR}_0(t_q)\exp\left[-\frac{(t-t_q)}{\tau}\right] & t > t_q \end{cases} \quad (1)$$

5 PROBALISTIC FITTING

$$P(\theta_k) = \begin{cases} 1 & 0 \leq t_q \text{ [Gyr]} \leq 13.8 \text{ and } 0 \leq \tau \text{ [Gyr]} \leq 4 \\ 0 & \text{otherwise} \end{cases} \quad (2)$$

6 CONCLUSIONS

ACKNOWLEDGEMENTS

REFERENCES

Capak P., et al., 2007, ApJS, 172, 99
Lilly S. J., et al., 2009, ApJS, 184, 218
Martin D. C., et al., 2005, ApJ, 619, L1
McCracken H. J., et al., 2012, A&A, 544, A156
Muzzin A., et al., 2013, ApJS, 206, 8
Sanders D. B., et al., 2007, ApJS, 172, 86
Smethurst R. J., et al., 2015, MNRAS, 450, 435
Smethurst R., Lintott C., Bamford S., Hart R., Kruk S., Masters K., Nichol R., Simmons B., 2017, Monthly Notices of the Royal Astronomical Society, 469, 3670

This paper has been typeset from a TEX/LATEX file prepared by the author.

★

© 2015 The Authors