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long title

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ABSTRACT

blabla

Key words: galaxies: evolution – galaxies: statistics – galaxies: stellar content – galaxies : active.

1 INTRODUCTION

2 PROBLEM

Outline of this section: We do not have the true redshift for each galaxy! We have to deal with $p(z, T)$ instead of collapsing it on T. Why?

3 SYNTHETIC LIBRARY

Outline of this section: Tell how we did our synthetic library. MCMC to randomly select 2000 spectra for each template of BPZ, etc and so on...

4 SIMULATIONS

We can generate fake data from i.e. SDSS spectroscopy and try to recover the properties of the galaxies. Another way to do is to compare with a simulated light-cone like the one of Merson et al 2013.

5 COMPARISON WITH REAL DATA

Which data will we compare our results to??

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REFERENCES

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APPENDIX A: APP 1

Parameters list and description

Parameter	Units	min/max values	Meaning
t_0^Y	yr	6×10^6 to 6.3×10^9	Age of the younger burst
θ^Y	-	0.001 to 100	$\theta = \tau \times t_0$. Where τ is burst e-folding time
t_0^O	yr	10^9 to 1.76×10^{10}	Age of the older burst
τ^O	-	0.001 to 100	$\theta = \tau \times t_0$. Where τ is burst e-folding time
Z	$[FeH]$	0.0004 to 0.05	Stellar metallicity
θ_V	-	0 to 0.2	Extinction. See **?** for details.
f^Y	%	0 to 100	Light fraction on the younger component

Table 1. Synthetic templates library parameters