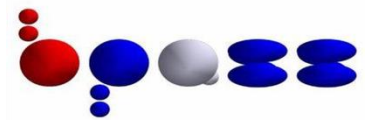




# How Choice of Spectral Library and IMF Prescription Choice Affects Cosmic Mass Assembly History

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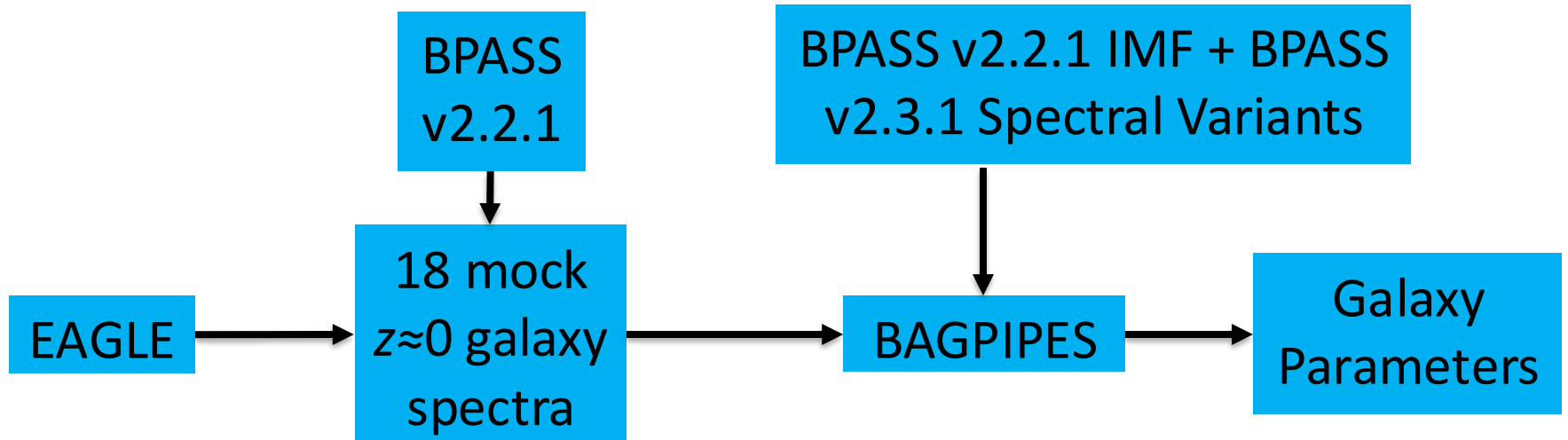
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Co-authors: C.M. Byrne, E.R. Stanway

# Aims and Methods

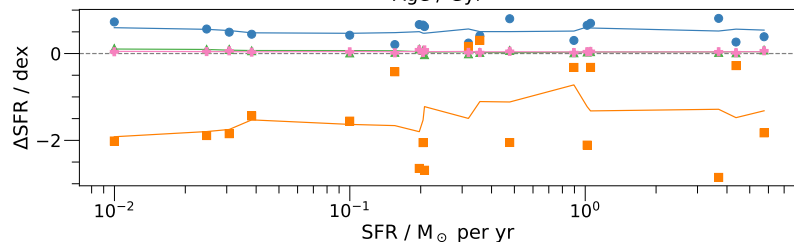
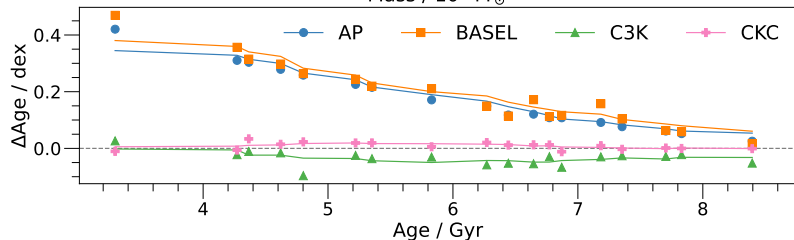
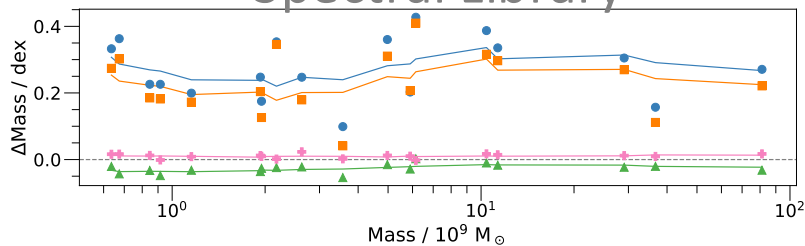
Aim: Quantify the uncertainty SPS modelling choices has on the mass assembly history and total error budget



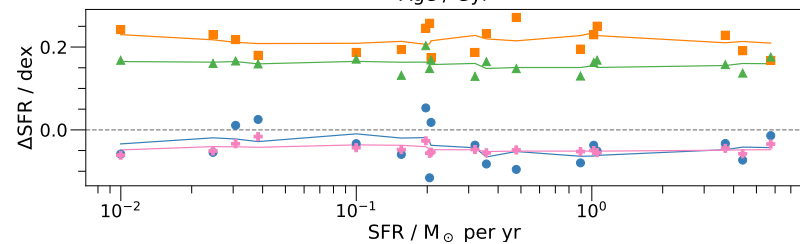
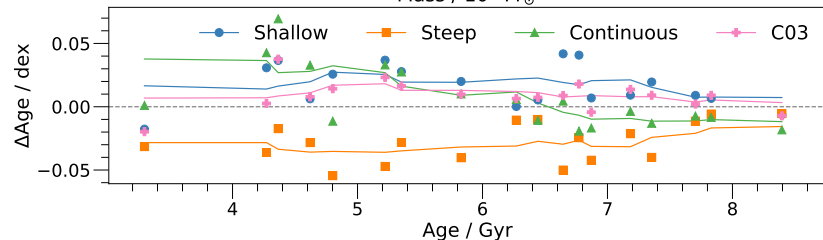
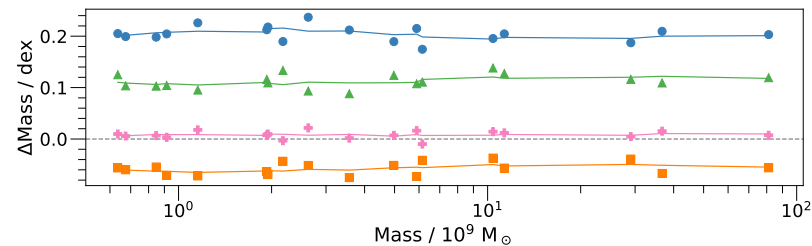
# Derived Parameter Differences

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## Spectral Library



## IMF





# Future Work

- Extend mass sample range and explore how galaxy mass changes the discrepancies found in this work
- Investigate the uncertainty in deriving galaxy properties over redshift