

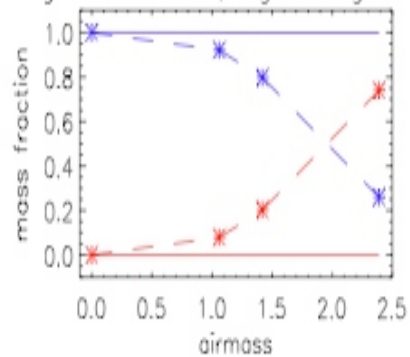
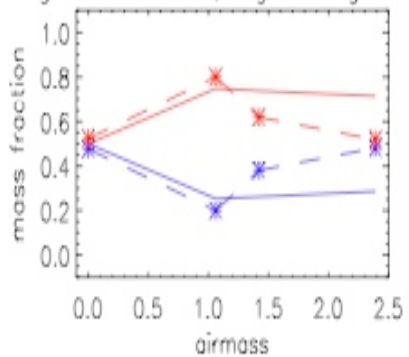
Fiber aperture and atmospheric systematics in stellar population studies with BOSS

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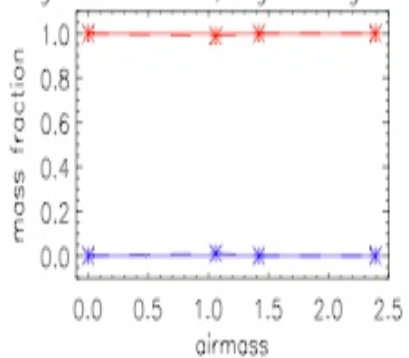
Colaborators: Christian Wolf, Rita Tojeiro, Francisco Prada

- We intend to analyze the effects of atmosphere (seeing and differential refraction) and fiber aperture on our capacity to recover stellar populations with BOSS
- We have simulated the attenuation and deformation of a set of 25 B+D models with $M=10^8 M_{\odot} \dots 10^{12} M_{\odot}$
- Different airmasses, redshifts and fiber sizes
- Interesting follow-up for BOSS
- We use the VESPA code to extract stellar population properties
- Effect on stellar mass, B/D components, ages, metallicities, line indices, etcetera.

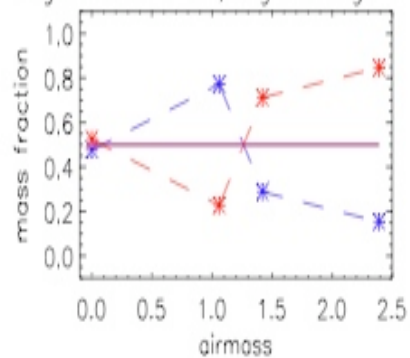
log M_{disk} = 12, log M_{bulge} = 12 log M_{disk} = 12, log M_{bulge} = 08



log M_{disk} = 08, log M_{bulge} = 12



log M_{disk} = 08, log M_{bulge} = 08



lines are disk masses of
log M*/M_⊙=[8,9,10,11,12]
thick line is log M*/M_⊙=10

