Tracking the Yeti in the snow Looking for metal-poor massive stars

ZÉCS

Dorotty

Group Meeting Talk Bonn 8th February 2018

Massive stars with Z < 0.1 Z_{\odot}



Cosmic explosions (GRBs, SNe, GW...)

Massive stars with Z $< 0.1~Z_{\odot}$



Cosmic explosions (GRBs, SNe, GW...)

In the Milky Way...



47 Tucanae (Globular Cluster)

Close enough...



I Zwicky 18 (dwarf galaxy)

The theory of the Yeti...



The theory of the Yeti...



The theory of the Yeti...



Transparent Wind Ultraviolet INtense stars (TWUIN stars)

- and the

TWUIN collaboration

Simulating a galaxy...

_	one short	starburst	episode
	2	4	6 Myr

Simulating a galaxy...



TWUIN spectra modelling



TWUIN spectra modelling



TWUIN spectra modelling



Cool, Luminous Supergiant stars

- and

Young Stellar Clusters







On the personal side...

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