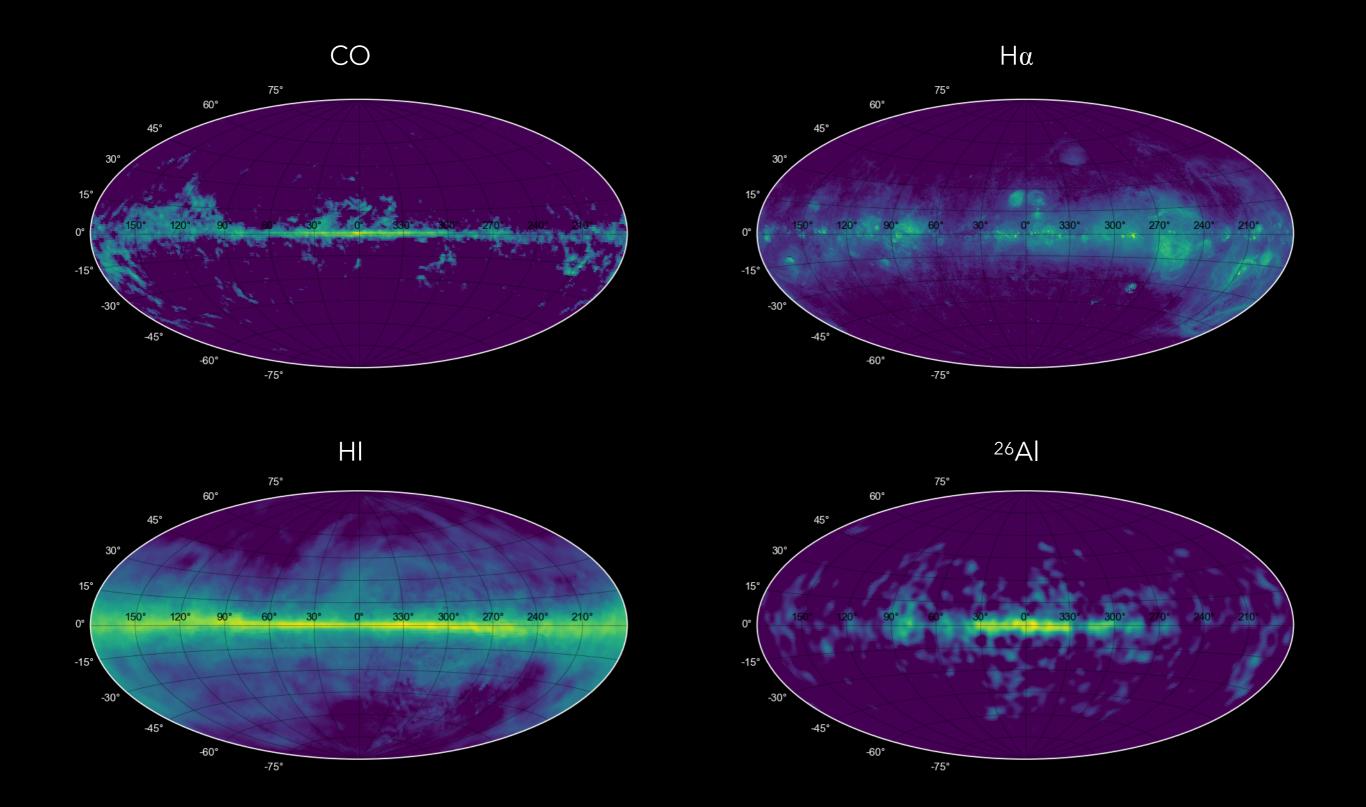
# Learning about the ISM from Nuclear Decay Lines

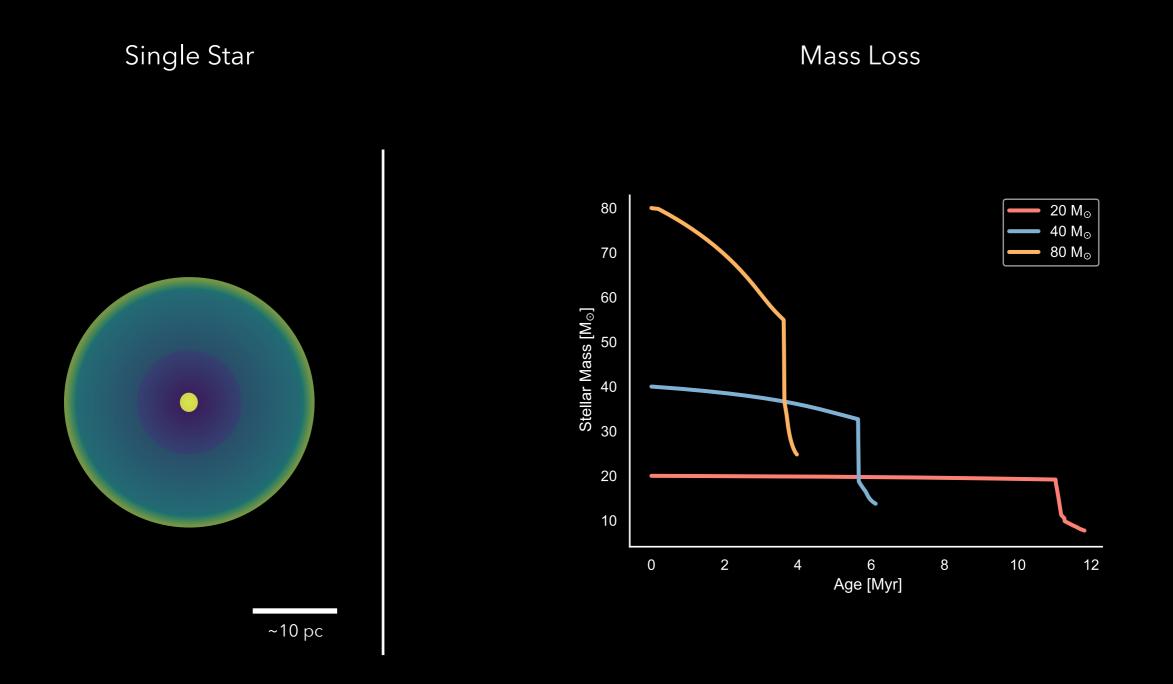
Moritz Pleintinger (mpleinti@mpe.mpg.de) <u>Max Planck Institute for Extraterrestrial P</u>hysics (MPE), Garching

Background Image: High resolution MHD simulation of the ISM by de Avillez & Breitschwerdt (2005)

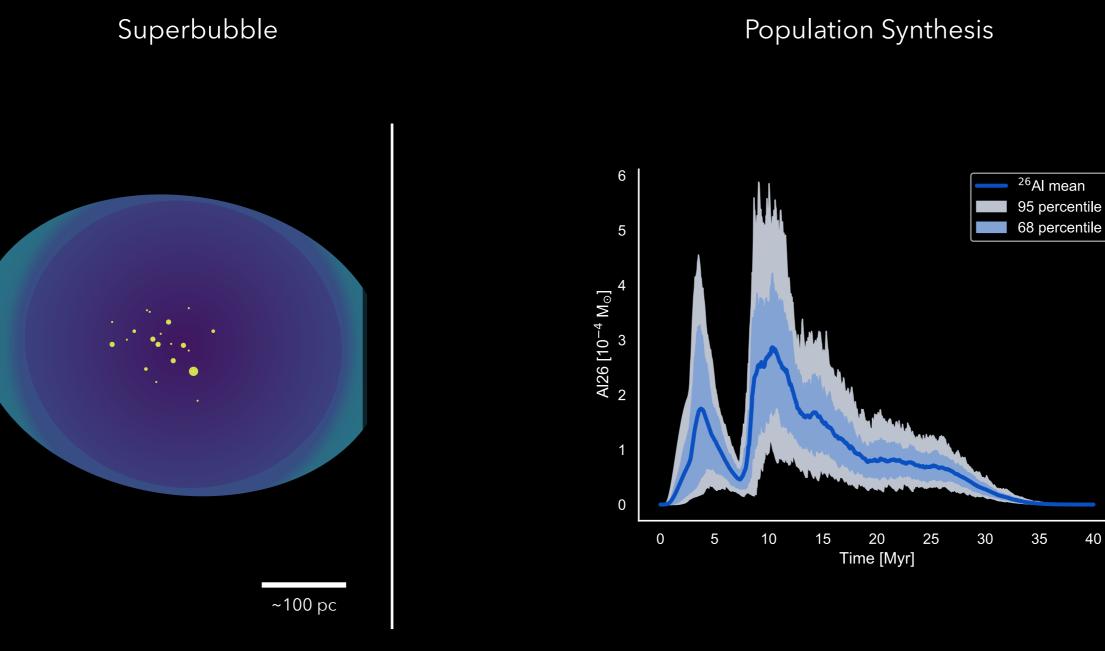
12<sup>th</sup> INTEGRAL Conference, Geneva

February 15, 2019



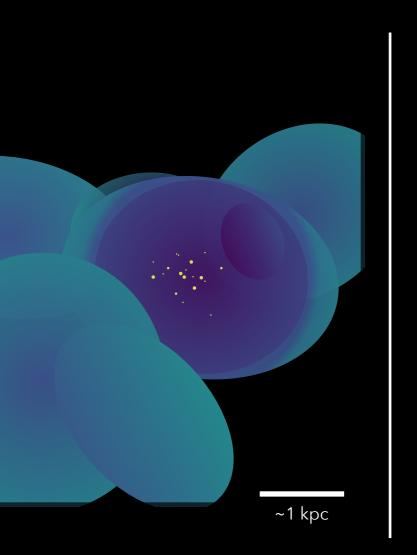


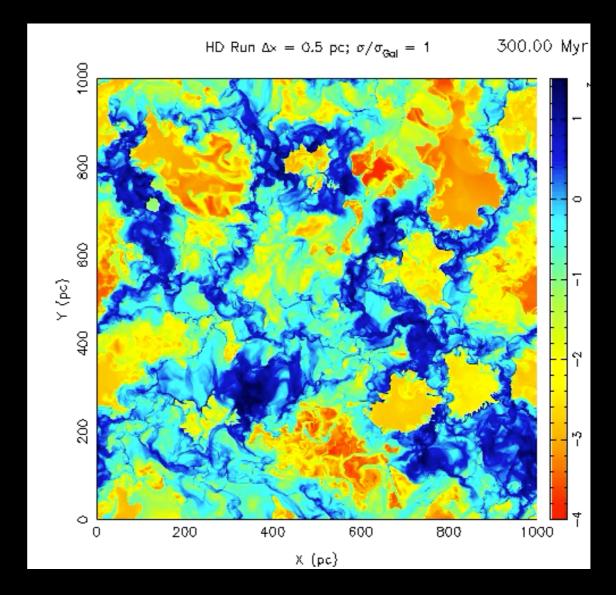
Limongi & Chieffi (2018)



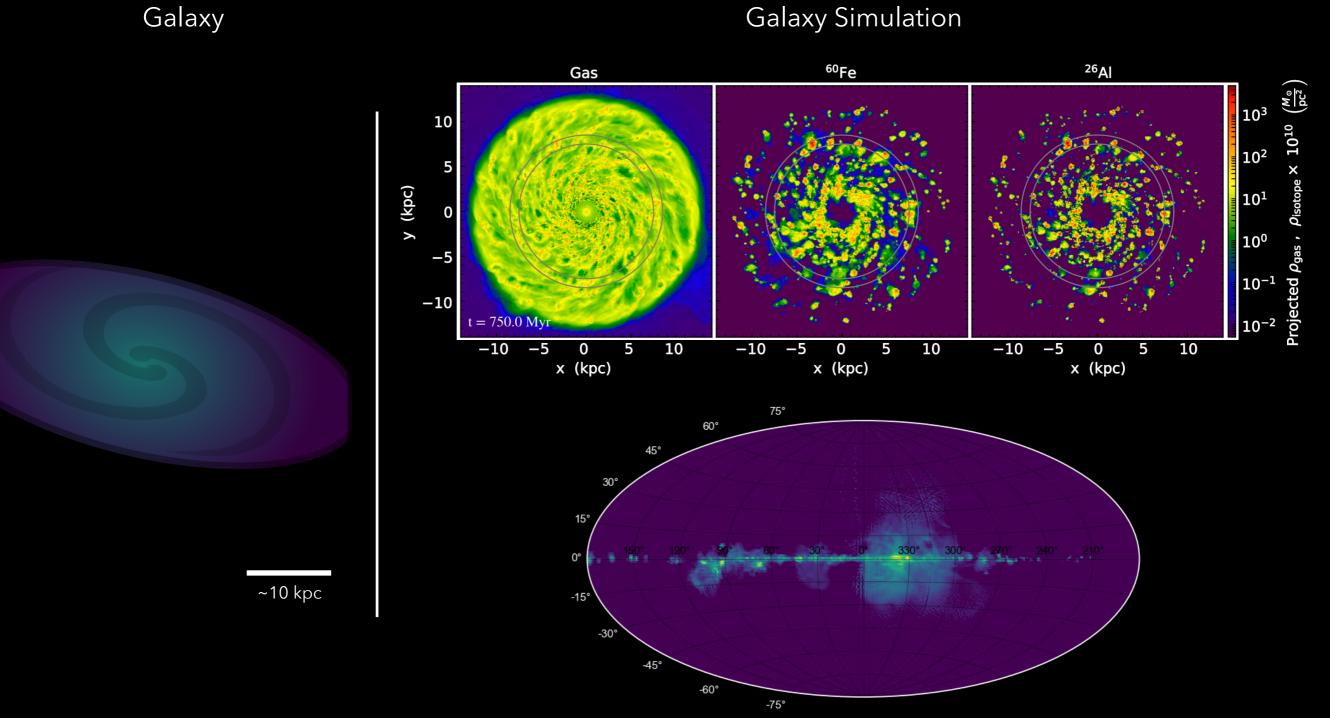
#### **Bubble Interactions**

#### MHD Simulation

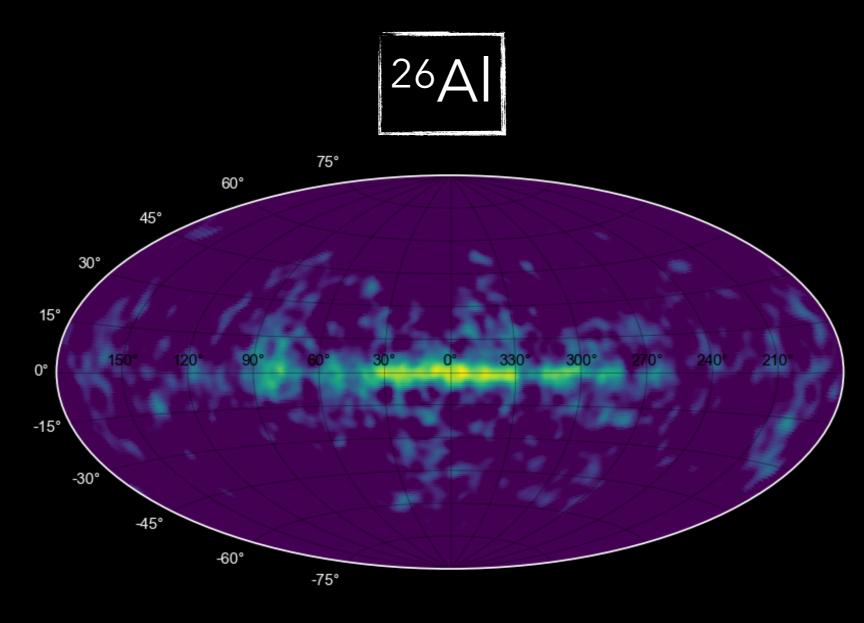




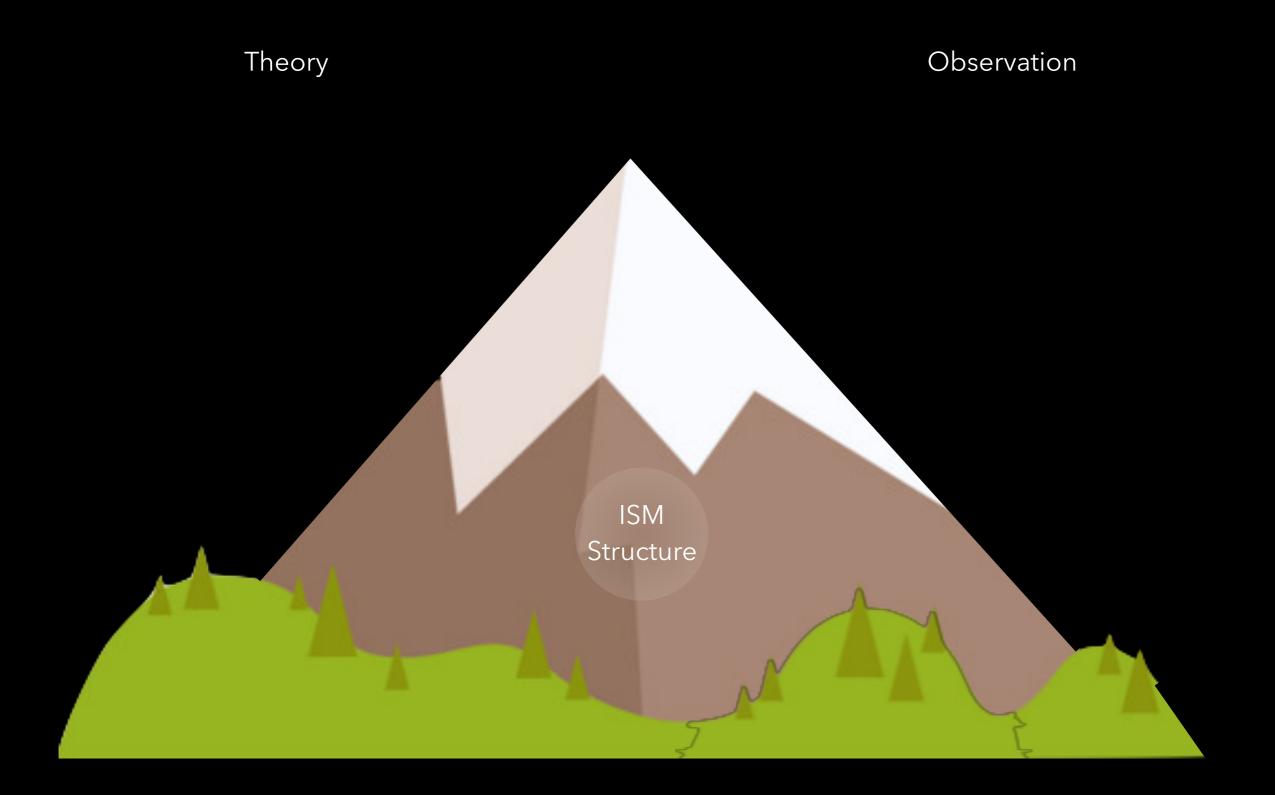
de Avillez & Breitschwerdt (2005)

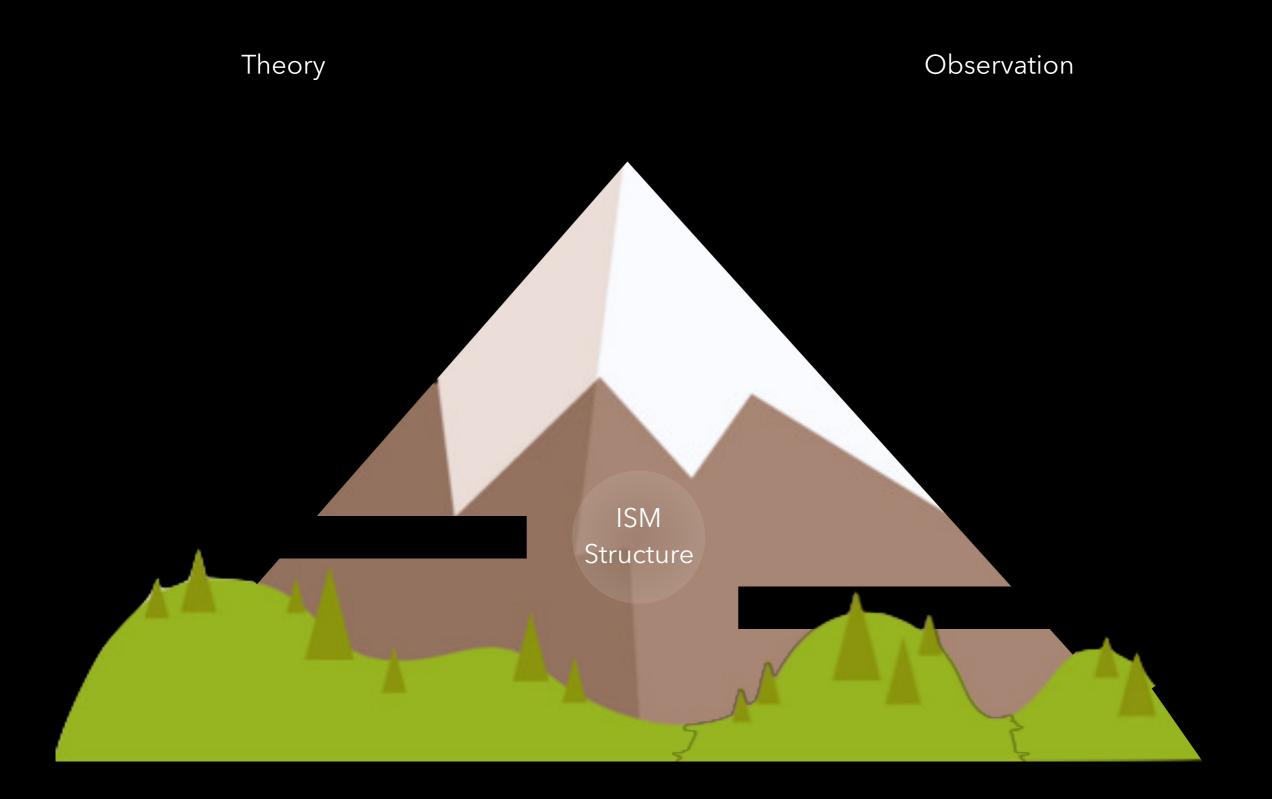


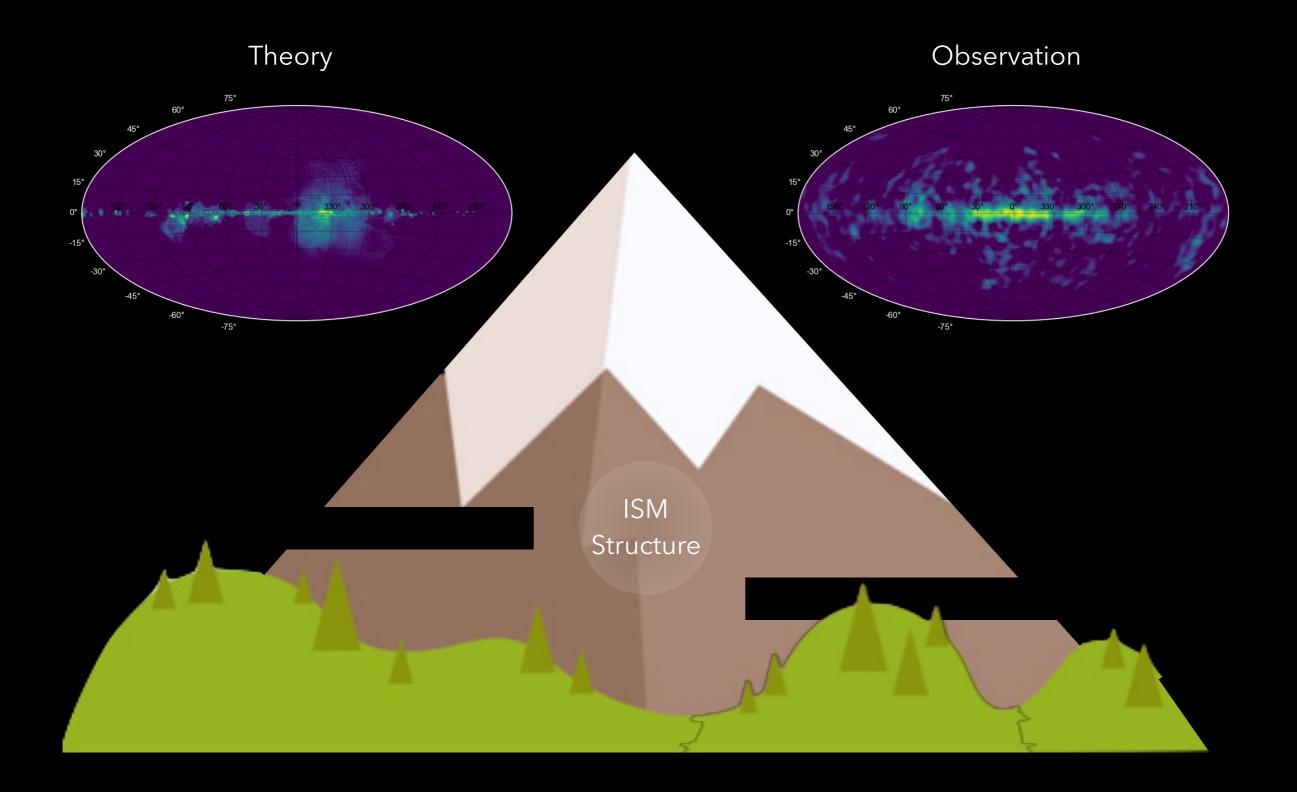
Fujimoto et al. (2018)

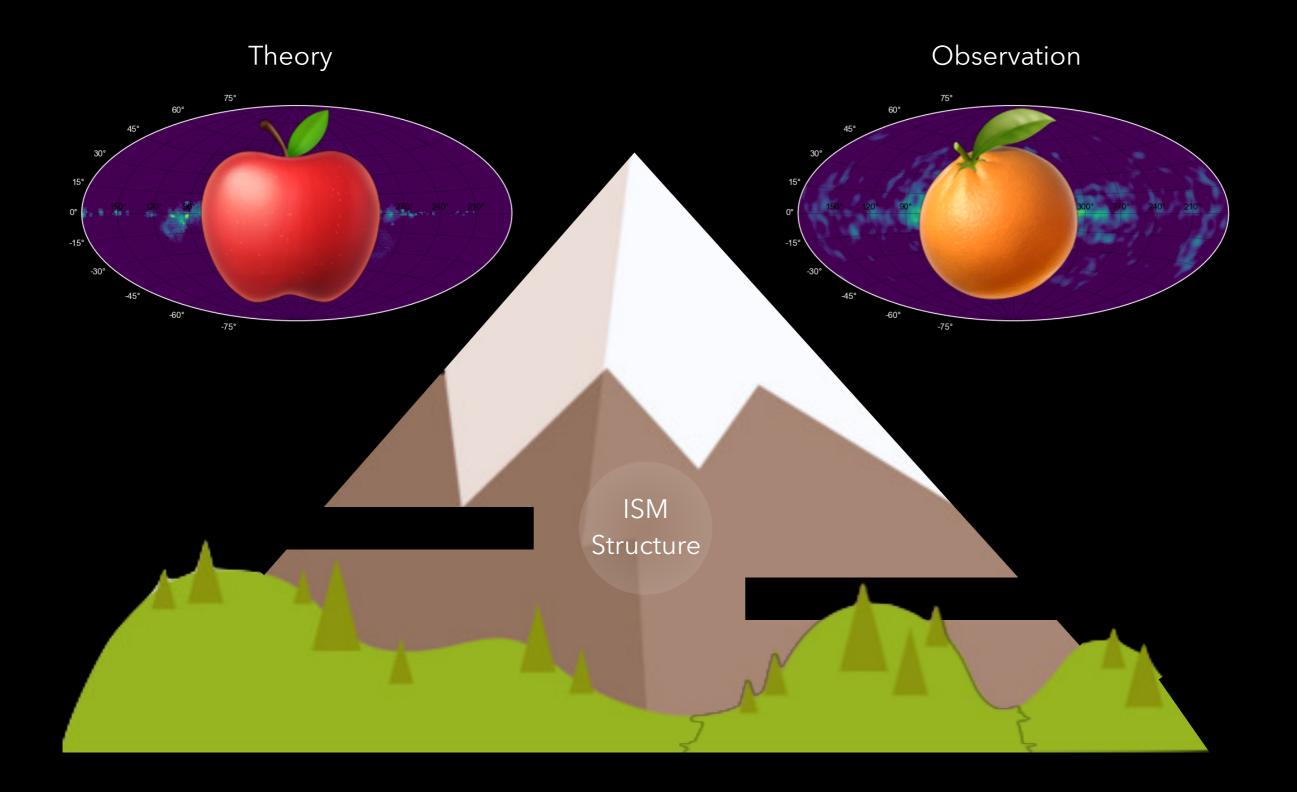


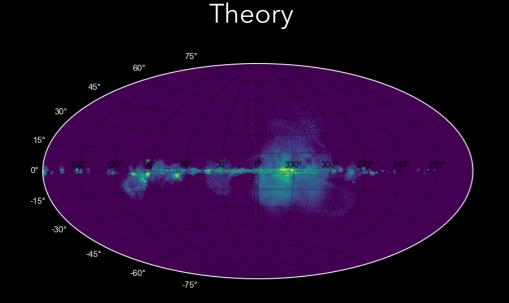
1.8 MeV



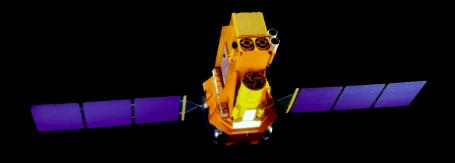


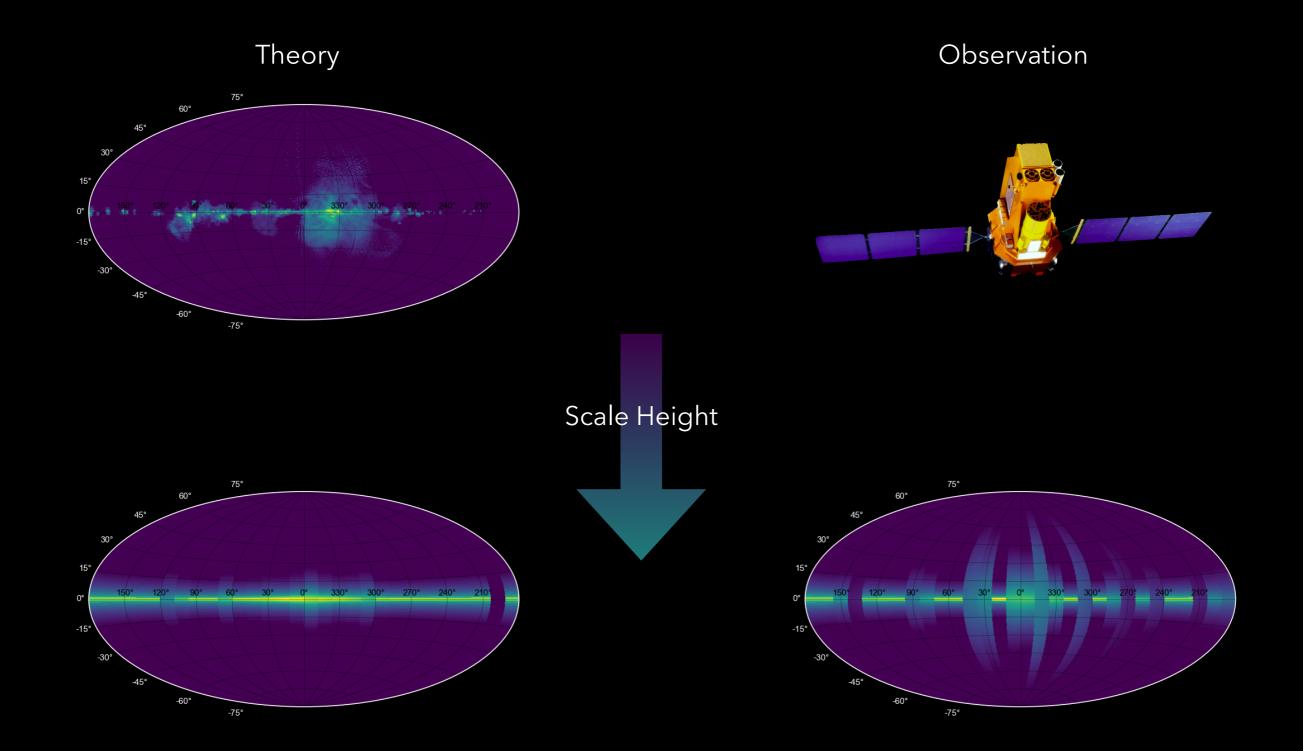




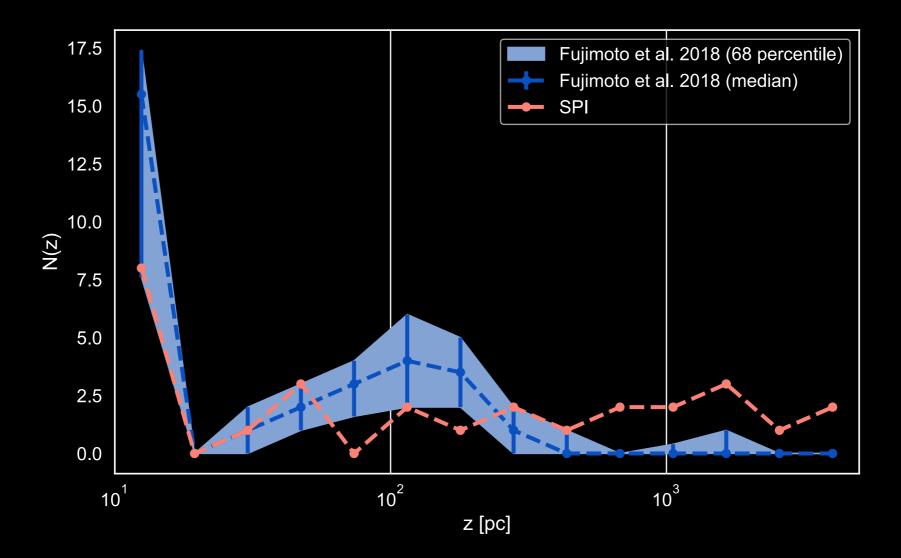


Observation

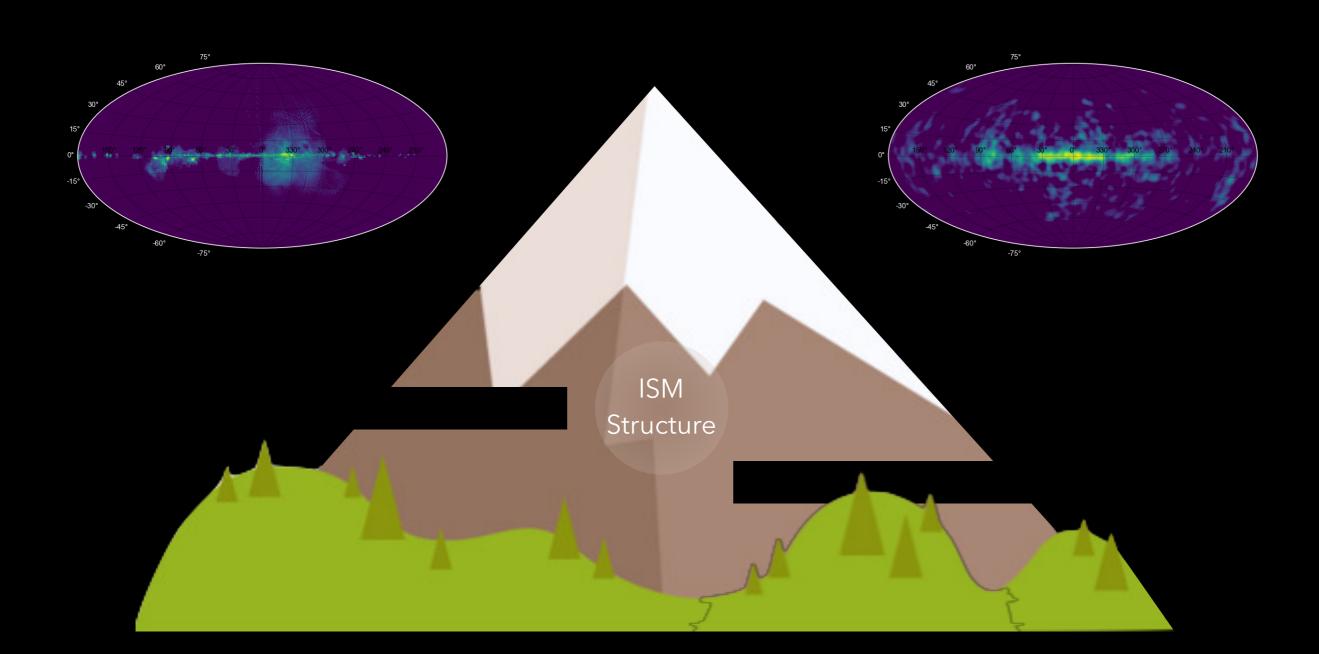




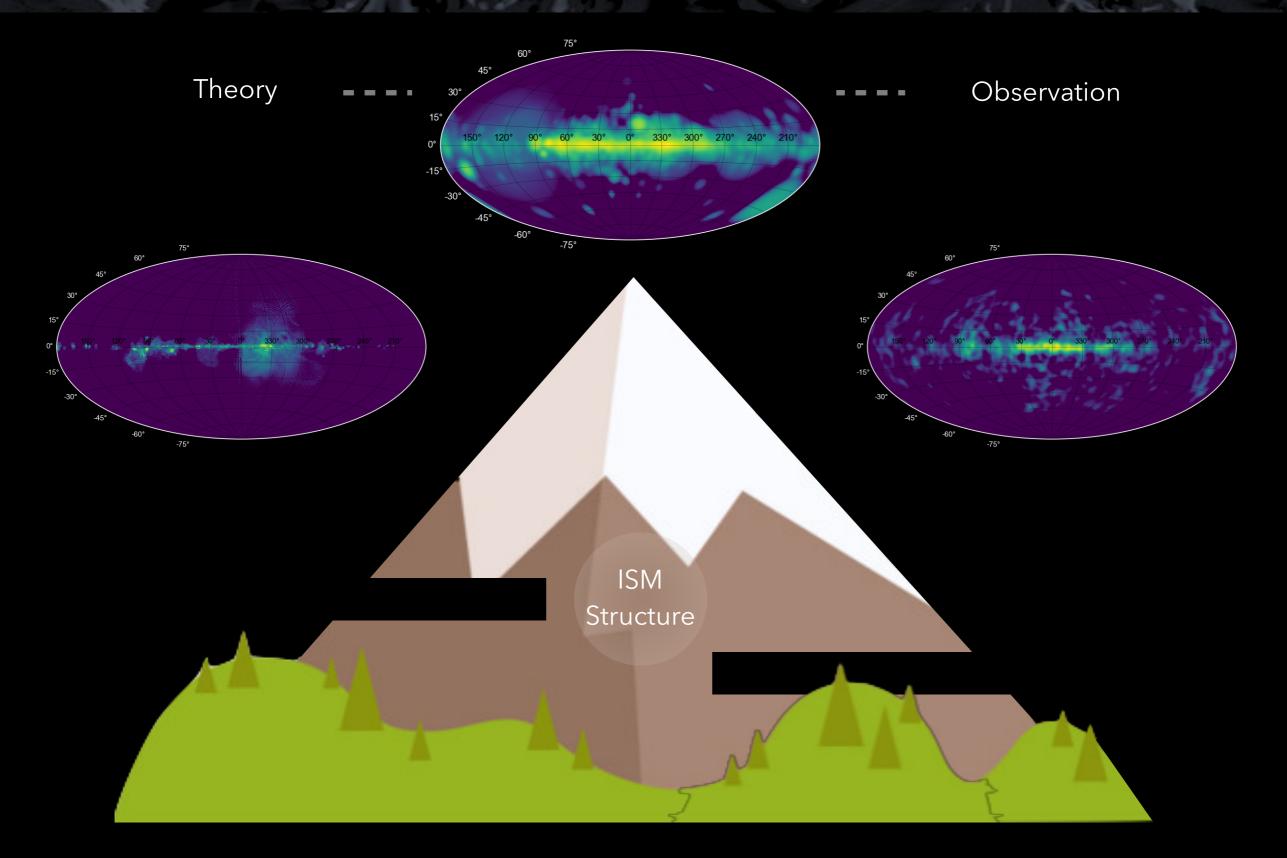
Scale Height Spectrum







# Our Approach



12<sup>th</sup> INTEGRAL Conference, Geneva

February 15, 2019