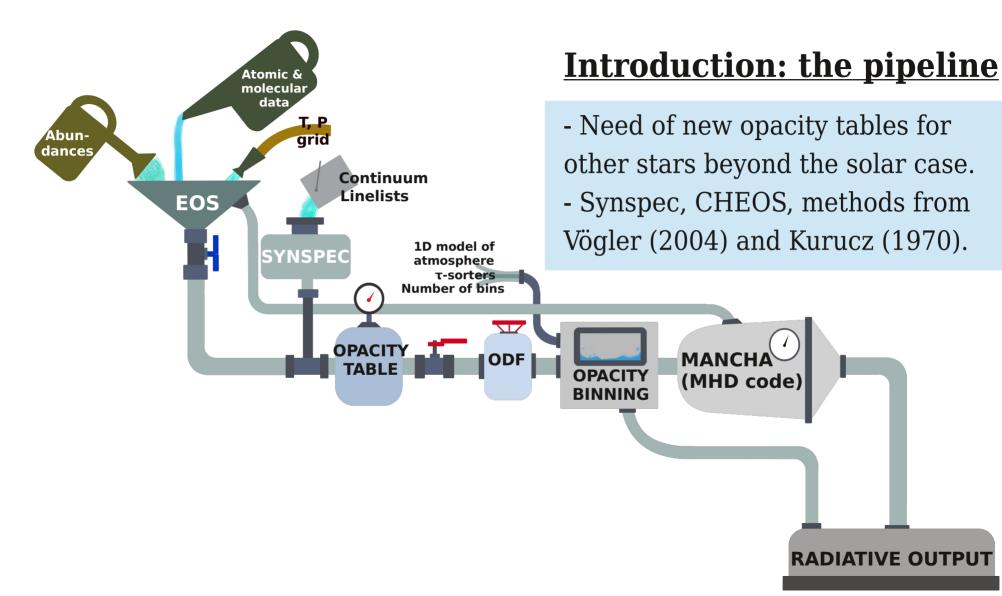




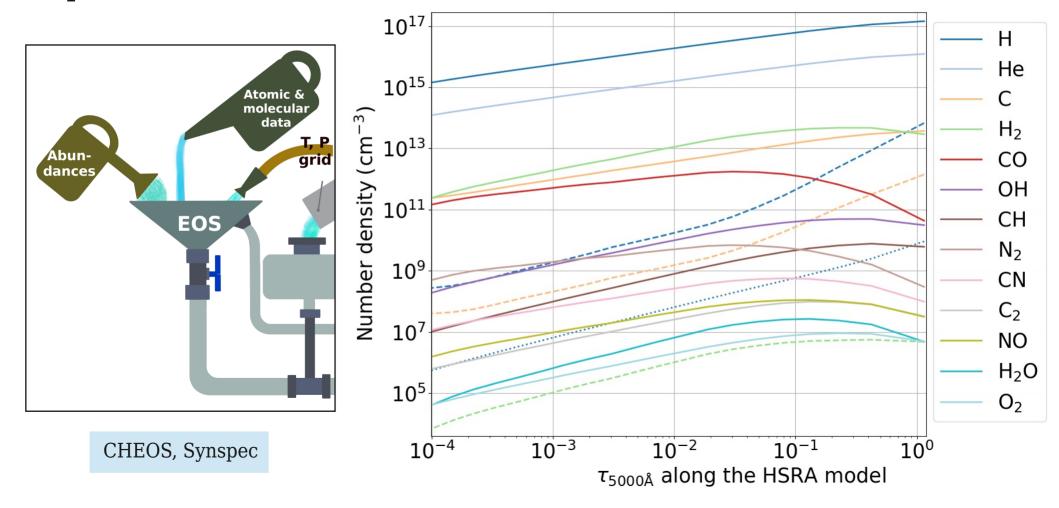
The opacity pipeline: from atomic data to realistic RMHD simulations

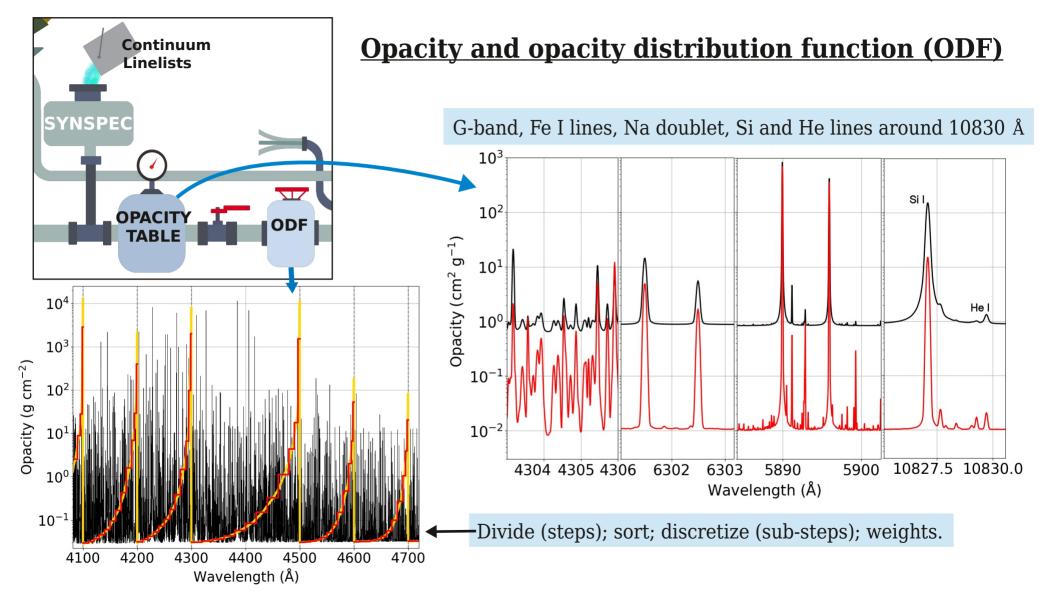
A. Perdomo¹, N. Vitas, E. Khomenko, M. Collados Instituto de Astrofísica de Canarias, 38205 La Laguna, Tenerife, Spain Dpto. de Astrofísica, Universidad de La Laguna, 38205 La Laguna, Tenerife, Spain

¹andrperdomo@gmail.com

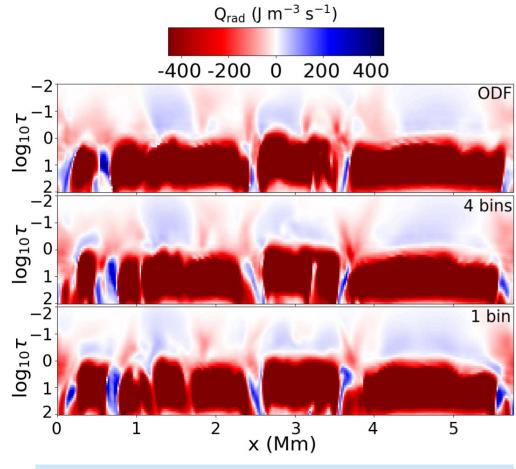


Equation of state (EOS)

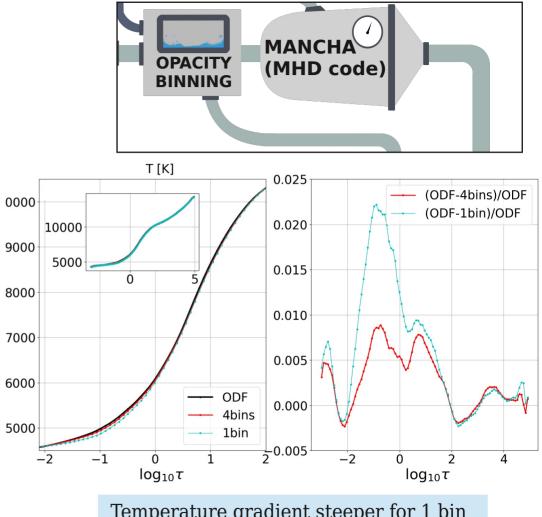




MANCHA (MHD code)

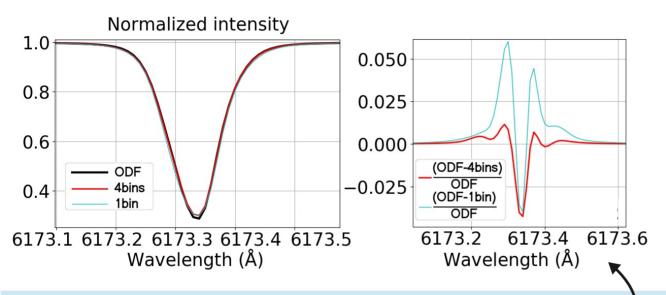


Notice the definition of the structures over $\tau=1$.



Temperature gradient steeper for 1 bin in the line formation region.

Radiative output



Line **wings** better reproduced with 4 bins than 1 bin, but not that much difference in the **core**.

Shifted **continuum** level → Phase shift of plasma oscillations due to opacity change?



