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(M)HD Modelling 15 min. invited talk

Stellar wind and Supernova Remnant evolution

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MHD and HD numerical models are utilized to compute the evolution of stellar winds (astrospheres) in the undesturbed interstellar medium (ISM) and the sensitivity of these cavities to different parameters like stellar massloss rate, ISM density and outflow speed. Of particular importance is to establish how these parameters influence the Astropause (AP) and the termination shock radii. Also presented are calculations showing supernova remnant (SNR) evolution in these cavities and beyond.