

# Transport of Cosmic Rays in the Vicinity of Astrospheres

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In recent years the structure and properties of astrospheres, also referred to as interstellar bubbles or stellar wind bubbles, have drawn increased attention, particularly also in the context of the discussion of extrasolar planets and the "astrophysics of life". An astrosphere shapes the interstellar-planetary relations that are to a significant extent established by the transport of cosmic rays. The cosmic ray flux into the atmosphere of an (exo-)planet is not only depending on the structure and properties of the astrosphere of the host star but also on those of its environment, which is shaped by the interaction of the stellar wind with the interstellar medium. In the talk the present knowledge about the interstellar medium in the vicinity of astrospheres and the transport of cosmic rays therein will be discussed. The effects of the latter on these regions as well as the change of the interstellar cosmic ray spectrum to an astropause spectrum will be illustrated.