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Cosmic rays in astrospheres

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We model the cosmic ray ux in a stellar wind cavity of a O or B type star using a transport model based on stochastic differential equations. The required parameters, for example the cofficients of the dffusion tensor, are determined from an underlying hydrodynamical model with a kinematic description of the magnetic field. We discuss the transport in the astrosphere of lambda Cephei with varying parameters for the transport co- efficients. We will argue that large stellar wind cavities can act as sinks for the galactic cosmci ray flux