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The Inverse Problem for Galactic CR Propagation in the Heliosphere on the Basis of NM and Satellite Data

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In the first part of paper on the basis of NM data for about 4 solar cycles we investigate hysteresis effects, convection-diffusion and drift modulations, and determine by solving of inverse problem parameters of Heliosphere and parameters of high energy galactic CR propagation. In the second part we solve the inverse problem for small energy galactic CR on the basis of satellite data; in this case we take into account also the diffusion time lag.