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Origins and Propagation

30 min. invited talk

Overview of current cosmic ray propagation codes

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We will discuss contemporary numerical codes for the computation of the propagation of cosmic rays in our galaxy up to the knee in energy. We compare the different codes with respect to the physical and numerical approaches to the propagation problem. Also we will remark on the physical aspects and conditions of cosmic ray propagation that remain problematic or inadequately dealt with, that are either in the process of being addressed or shall be refined in the near future.