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Local sources, the Local Bubble and the CR anisotropy

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The contribution of a single source to the observed cosmic ray (CR) dipole anisotropy depends only on the fraction the source contributes to the total CR intensity, its age and its distance, but not on the energy. Therefore the observation of a constant dipole anisotropy indicates that importance of single, local sources. I review some source types suggested as, e.g., Vela, a 2 Myr old supernova or young pulsars, and their signatures. Finally, I discuss how this picture is modified if the magnetic field structure of the Local Bubble distorts the CR flux.

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