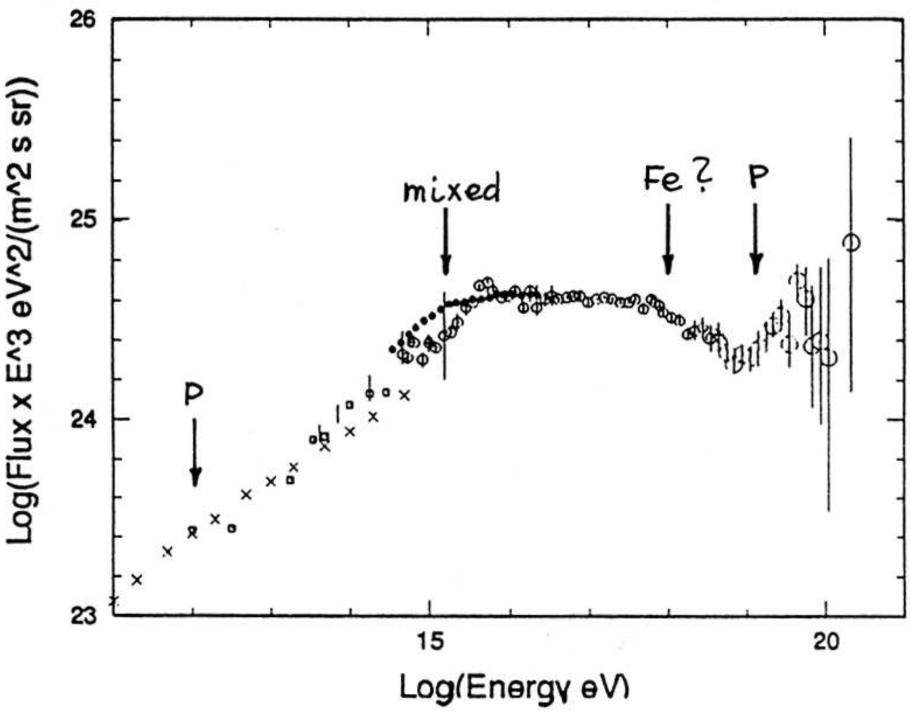

Figure 1: Compilation of cosmic ray spectrum from [1]. Spectrum of UHECR is taken according to AGASA data only, because the spectrum *shape* is better seen from the data of one array.

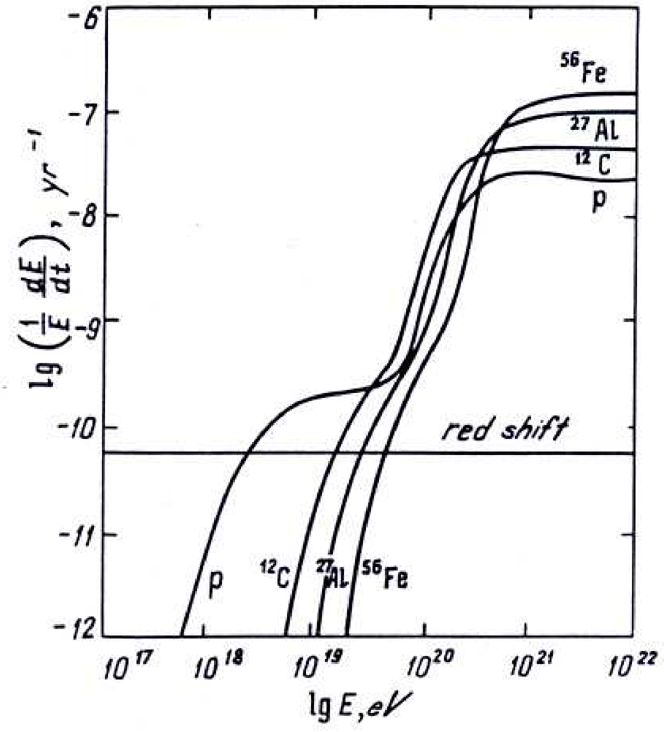

Figure 2: Energy losses of UHE protons and nuclei [3]

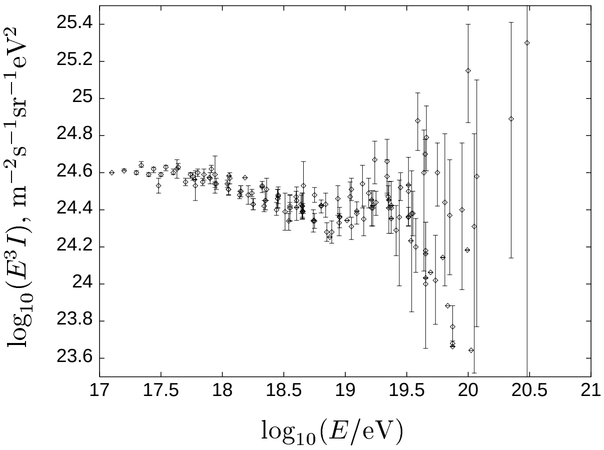

Figure 3: Compilation of cosmic ray spectrum from [1]. Spectrum of UHECR is taken according to AGASA data only, because the spectrum *shape* is better seen from the data of one array.

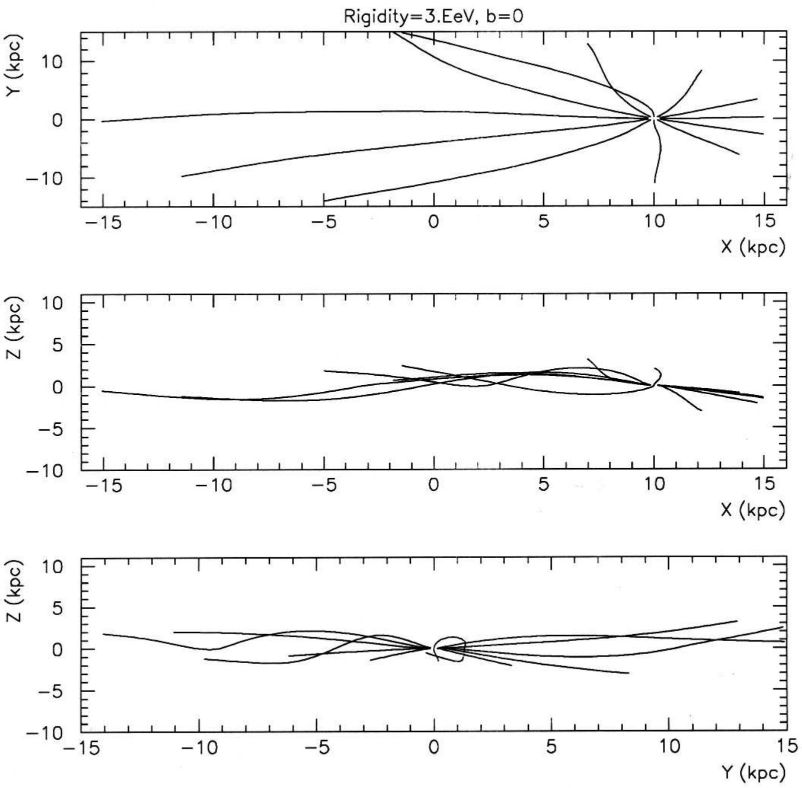

Figure 4: Trajectories of antinuclei with rigidity $E/Z = 3 \cdot 10^{18}$ eV emitted in the different directions in the Galactic plane ($z = 0$). The upper figure gives projection of the trajectories on the galactic plane (x, y); two lower figures – projections on the planes (z, x) and (z, y), perpendicular to the Galactic plane. The distances are in kpc.

This figure "fig5.jpeg" is available in "jpeg" format from:

http://xxx.lanl.gov/ps/hep-ph/9802351

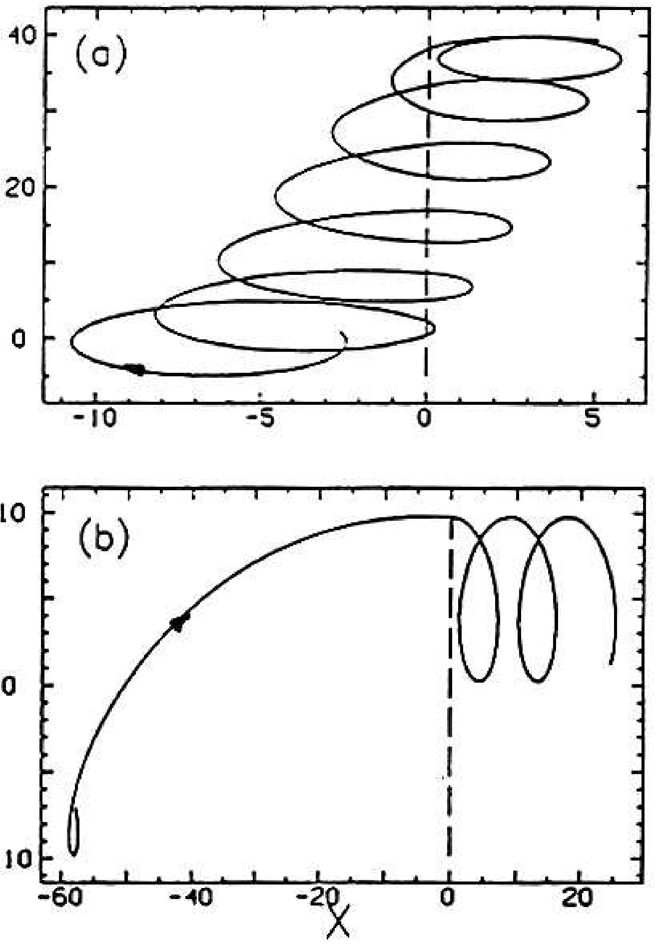

Figure 6: Capturing of accelerated particles behind the front of a relativistic shock [41]. Figure 6a corresponds to non-relativistic shock, $v_{\rm sh} = 0.1c$, and Fig. 6b to relativistic shock $v_{\rm sh} = 0.87c$. The position of the shock is shown by a dashed line, the direction of the velocity by an arrow.

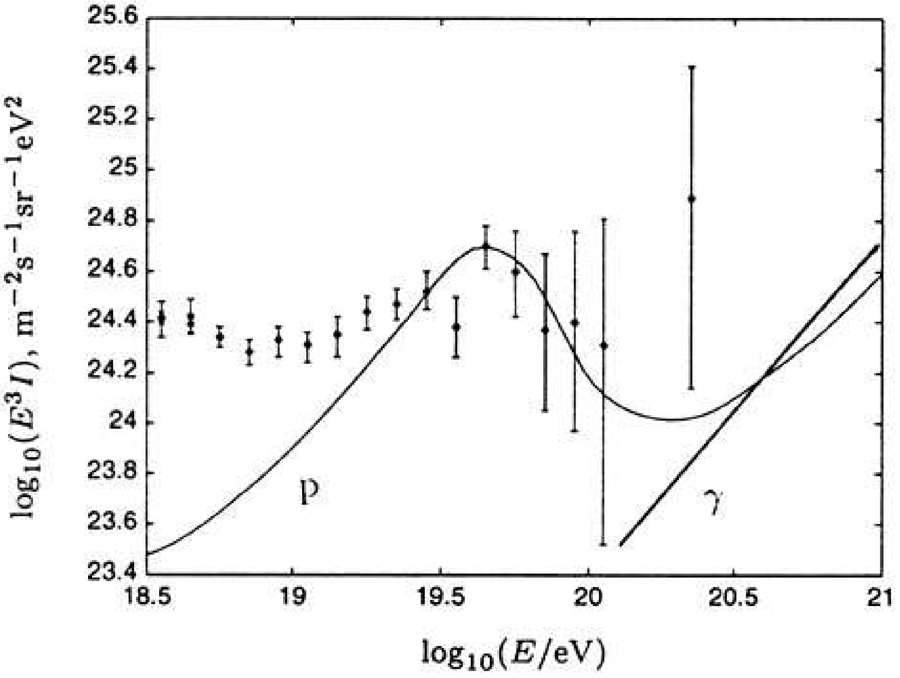

Figure 7: UHE proton flux from cosmic necklaces with $r^2\mu \sim 1 \cdot 10^{28}$ GeV^2 and $m_X \sim 1 \cdot 10^{14}$ GeV. Curve with p shows the proton flux, γ is for photon flux [62].