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Expanding General Relativity's Space by S-Denying LARISSA BORISSOVA, Independent Researcher, FLORENTIN SMARANDACHE, University of New Mexico — Following neutrosophy, we claim: Aside for observed positively mass-charged (i.e. massbearing) particles and neutrally mass-charged (light-like) particles, there should be a third class of "negatively" masscharged particles unknown in today's experimental physics. We aim to establish such a class of particles by the methods of General Relativity. Any four-dimensional proper vector has two observable projections onto time line, attributed to our world and the mirror world (for a mass-bearing particle, the projections are attributed to positive and negative mass-charges). There should be a class of neutrally mass-charged particles that inhabit neither our world nor the mirror world. Inside the space-time area (membrane) the space rotates at the light speed, and all particles move at as well the light speed. So, the predicted particles of the neutrally mass-charged class should seem as light-like vortices.

Florentin Smarandache
University of New Mexico

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