

Abstract Submitted
for the 4CF09 Meeting of
The American Physical Society

Positive, Neutral, and Negative Mass-Charges in General Relativity DMITRI RABOUNSKI, FLORENTIN SMARANDACHE, University of New Mexico — As shown, 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 possess are attributed to positive and negative mass-charges). As predicted, 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.

Dmitri Rabounski

Date submitted: 14 Sep 2009

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