Dark Matter Messengers

by

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What It Is: A fanciful sounding mode for communicating information and physical matter is becoming available by using EVOs, or synthetic WIMPs, as a form of information-bearing projectile. These will be capable of rapidly traversing galactic distances and being directed with the selectivity afforded only projectiles. For all intent and purposes, it is a homemade, miniature black hole that has temporarily "swallowed" ordinary matter as information and that will regurgitate it later upon proper association with another of its kind. This is definitely teleportation but it is not yet telekinesis of the psychic kind. It is an extremely selective process but one needed when transferring information throughout the very noisy Universe and it is certainly a great improvement over electromagnetic messaging methods.

Message Preparation: Whenever an EVO is operated in the white, gray or black mode; it sequesters both charge and mass to such an extent that it becomes arbitrarily non-interactive with ordinary matter using charge as its principle particle mediator. If during the formation process, an EVO has nuclear matter introduced into it, as shown in various essays by the author that can be downloaded from: http://www.svn.net/krscfs/. That loaded material is also subject to the same rules of charge and mass reduction as the basic EVO. This can be seen in the previously referenced essays as the ease with which propulsion is achieved for the included mass having a much lower value in the sequestered state. At this initial inclusion, the nucleons must be arranged for whatever coding is required, be this a simple message or a biological structure. The loading limit is still to be determined but the basis for beginning that task is now a fact. Additionally, the binding force discussed here is consistent with published dark matter behavior and probably is dark matter based.

Next, the projectile is quieted further toward the black state by simply allowing it to reorder itself in a tranquil zone of the apparatus. Finally, the prepared EVO with its message is projected out of the apparatus, likely at slightly lower than light speed, toward its ultimate destination. No shield is needed as it penetrates ordinary matter admirably like the WIMP it is.

One of these messengers could be launched now, and probably are inadvertently generated by sporadic processes millions of times in every second, but an extremely narrow band for point-to-point communication exists due to the narrow propagation angle, selective velocity range in the detector and type of coding built into the message. The greatest present hope for finding the correct destination uses a combination of projectile mode for the bulk of the trip coupled with an electromagnetic terminal guidance being engaged, with concomitant velocity reduction, when approaching the expected destination.

Detecting the Message:

Sympathetic, coherent coupling between EVOs operating within close proximity of each other has been found. It is a form of coupling experienced by something so simple as water droplets. Water droplets do not unite when they have disparate position or velocity but they do when gently introduced. To make EVOs unite, it is necessary to closely match the pair of EVOs in position, direction and velocity and then watch for an increase in indicated energy due to the union. While doing this, many sporadic indications show something like a noise background, possibly from detection of natural WIMPs, as the electromagnetic noise is supposed to be low due to the EVO binding force having lowered the charge interaction with the outside world.

In any detection method visualized thus far, a gray EVO bias state must be maintained. If it is white, there is no differential reading. If the EVO bias is too low toward the black side, there is also no detectable signal, as interaction will not likely change the initial EVO sufficiently for detection. The noise level in this system is possibly a fundamental thing due to having to operate in a gray mode with electromagnetic noise interference a distinct possibility. Also, it is not known what the fundamental dark matter noise level is and it could be very high for the primitive methods discussed here. This dark matter noise is also of concern in transmission of messages and matter through space as the abundance and distribution of interacting dark matter is not known. Still, it beats radio telescopes for transferring our kind of stuff.