High-energy collisions.

Low-energy non-collisions.

Figure 2. Extreme condition experimental apparatus. Which device (which method) stands to reveal the most fundamental characteristics of matter? Since we have not yet built and operated a Small Low-Energy Non-Collider, we cannot yet know the answer to this question. Our store of data concerning collision experiments is enormously gargantuan. Our store of data concerning the simplest *non-collision* experiment involving gravity-induced radial motion through the centers of material bodies is *non-existent*. We have no data at all. Pretending that the results of such radial motion experiments are already known is standard practice in academic physics. Perpetuating this practice makes little sense when we have the more scientific option to let *Nature* be the judge. To get a pronouncement from the only authority that matters, we need to build and operate a Small Low-Energy Non-Collider.