

Abstract Submitted  
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**High Density Plasmas in Black Hole Candidates** ARI BRYNJOLFSSON, Applied Radiation Industries — While cosmological observations are progressing exceptionally well, the theoretical interpretation of the observations are becoming ever more difficult. The difficulties are mainly due to two fundamental misconceptions: 1. It is generally believed that most of the redshifts are due to Doppler shifts, while in fact most of them are due to plasma redshifts. 2. It is generally believed that photons have weight in the local system of reference, while photons actually are weightless. Eliminating these misconceptions changes in fundamental ways the cosmological perspective and facilitates explanation of great many phenomena that have been difficult to explain, including the physics of black hole candidates. The overlooked plasma-redshift cross-section gives an explanation of the cosmological redshift without “big bang,” “inflation,” “dark energy,” or “dark matter.” It also explains the cosmic microwave background, the X-ray background, and much more. There are no black holes due to the weightlessness of photons. Instead the black hole candidates are engines for conversion of burned out nuclear matter to hot and dense primordial matter, which assures continual renewal of the world.

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