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Using low energy photon-photon collision simulate galaxy formation MEGGIE ZHANG, AISRO — Photon is not directly observable, therefore obtain free photon for collision is not possible. However our research found some of the basic assumptions we made in early history of physics are conflicts with our later findings, therefore some of the basic theories we built on these foundations could not stand. We reevaluated current physics theory and found there are cases we could possibly succeed photon-photon collision and such collision in nature is a continuous controllable fusion, in modified physics theory collision is irrelevant with energy level, but at low energy level it is easier to control toward what we want to see and how the result to turn out. But just this part is not enough theoretical support for the simulation of galaxy formation. We analyzed existing information, also our preliminary finding supported the galaxy formation start from two particles in contrast of from cloud aggregation. Based on the new theories and method, we have successfully simulated the formation of planetary systems and during the process we successfully observed the formation of planets, Black Holes and the movements of planetary system. We found a planet does not go around the star center but instead it is at one side of the star. We also found all objects in the planetary system are not free, they are bounded by two forces.

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