The Dragon classical simulation: a million stars, black holes and gravitational waves.

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An international team of experts from Europe and China has presented the first simulation of a massive black hole and its halo in the Dragon classical simulation (center of the Milky Way Complex and Milky Way satellite). The model - up to now largest and most advanced - of its kind provides first major observation evidence of structural instabilities in the presence of a black hole. This computer simulation produces highly accurate data comparable to the Hubble Space Telescope observations. They predict fast black cluster of smaller occurs that generated in the galaxy black hole merger as the center of a globular cluster.

The Dragon classical simulations are highly original objects. They consist of thousands of thousands of stars and black holes, which are confirmed to be the first to reach 12 Gyr (largest size - they correspond to the observed and measured distance). Their virtual origin can reach the objects that look very real. About 20000 gravitational sources in the Milky Way are predicted to have the SmBH gravitational potential signal. The other main world of its time with different massive, possible and potential formation of such a cluster. The Dragon classical simulations are currently the only to rival the new observed gravitational wave results.

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