## Abstract Submitted for the APR15 Meeting of The American Physical Society

MEST-Do the "rubble-pile" asteroid-1950 DA, with low 1700 kg/m<sup>3</sup> density, has a structure with spacetime center? DAYONG CAO, Avoid Earth Extinction Association — According to Einstein's equation and observation of flat universe, the paper gives new ideas both of dark massenergy and spacetime center, and supporses that some asteroids were comets which have spacetime center, and some comets were wraped up by rock in 2012. It explains of a observation about low density of the asteroid-1950 DA by spacetime center of the asteroid. (see Ben Rozitis, "Cohesive forces prevent the rotational breakup of rubble-pile asteroid (29075) 1950 DA," http://www.nature.com/nature/journal/v512/n7513/full/nature13632.html) It also can explain of a rock hull of 67P/Churyumov-Gerasimenko. Jonathan O'Callaghan, "Comets are like deep fried ICE CREAM: Nasa icebox experiment confirms 67P is hard on the outside but fluffy on the inside," http://www.dailymail.co.uk/sciencetech/article-2949020/Comets-like-deepfried-ICE-CREAM-Nasa-ice-box-experiment-confirms-

67P-hard-outside-fluffy-inside.html) (See Dayong Cao, "MEST-The dark hole, dark comet and dark matter are the space-time center" and "MEST- avoid next extinction by a space-time effect") http://meetings.aps.org/link/BAPS.2014.APR.L1.3

http://meetings.aps.org/link/BAPS.2014.APR.L1.2

http://meetings.aps.org/link/BAPS.2015.APR.L1.2

http://meeting.aps.org/Meeting/CAL12/Session/H1.8

http://meetings.aps.org/link/BAPS.2012.APR.K1.79

Dayong Cao Avoid Earth Extinction Association

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