

Seminarium Astrofizyczne

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Password: AstroSemi

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The Mass of Our Observed Universe

We argue that if the Universe around us has a finite mass, M , current observations indicate that M is inside its corresponding gravitational radius, $r_s=2GM$. This then becomes a boundary for the inside dynamics that could explain cosmic acceleration without the need of Dark Energy. Such BH Universe (BHU) is observationally very similar to the LCDM model, except for the very large scale perturbations, which are bounded by r_s . We discuss possible origins and observational test for such BHU.

Serdecznie zapraszam,

Agnieszka Majczyna