**Seminarium Astrofizyczne**

wtorek 31.01.2023 godz. 12:30

ul. Pasteura 7;sala 404

transmited also on line

https://www.gotomeet.me/NCBJmeetings/seminarium-astrofizyczne

Password: AstroSemi

**Enrique Gaztanaga**

(Institute of Space Sciences, Barcelona)

**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, rS=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 morel, except for the very large scale perturbations, which are bounded by rS. We discuss possible origins and observational test for such BHU.

Serdecznie zapraszam,

Agnieszka Majczyna