**Seminarium Astrofizyczne**

wtorek 23.11.2021 godz. **12:30**

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

ID 349-387-373 Password: AstroSemi

**Agnieszka Janiuk**

(CFT, Warsaw, Poland)

**Magnetically arrested accretion flows near the black hole horizon**

Magnetically arrested accretion flows are thought to fuel some of the supermassive black holes and to power their relativistic jets. We investigate observational signatures of strong magnetic fields using numerical, high resolution and long duration simulations of magnetically dominated flows. We study the structure and time variability of jets launched from the spinning black holes. We also calculate and study the linear and circular polarimetric images of the near horizon regions, for a non-rotating black hole.

Serdecznie zapraszam,

Agnieszka Majczyna