**Seminarium Astrofizyczne**  
wtorek 18.06.2024 godz. 12:30  
ul. Pasteura 7, sala 404

transmisja on line  
<https://www.gotomeet.me/NCBJmeetings/seminarium-astrofizyczne>  
Password: AstroSemi

**Alessandro Carones**

(SISSA, Trieste, Italy)

**Hunting primordial CMB B-modes with future experiments**

Upcoming experiments of the Cosmic Microwave Background (CMB) are   
targeting the detection of primordial CMB polarization B-modes to shed   
light on the physics of the early Universe. However, such a detection   
requires exquisite control of Galactic foreground contamination, thus   
pointing to the need for the application of robust component separation   
techniques. In this talk, after an introduction to the topic, I will   
present the CMB component separation challenge and some optimizations of   
existing pipelines, which promises to enhance foreground subtraction in   
the reconstructed CMB signal of future experiments.

Serdecznie zapraszam,  
Kishan Deka, on behalf of the SOC