

Seminar Fakulteta za fiziku

Vrijeme: petak, 14. listopada 2022. u 10 sati

Mjesto: *uživo* O-155, Fakultet za fiziku, Sveučilišni kampus, Radmile Matejčić 2;

na daljinu <https://meet.google.com/xix-dzcf-cdr>

Jezik: engleski

Quasi-particle properties of the excited electron/hole in the 2D self-standing potassium doped graphene (KC8)

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Abstract

In this seminar I will first use the (DFT based) approximation to calculate the QP (quasi particle) Green's function of the arbitrary quantum state $|n\rangle$, and then apply the same procedure to calculate the QP Green's function in the 2D self-standing potassium doped graphene KC8. Then, from the Green's function, the QP's spectral properties will be obtained.