



EUROPEAN UNION  
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Operational Programme Research,  
Development and Education



# **P o z v á n k a**

na seminář oddělení teorie elementárních částic

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*Charles University, Czech republic*

## ***The three 'layers' of graphene monolayer and their analog GUPs***

### Abstract:

Analogs deal, quite successfully, with quantum field theory on curved spacetime. In this talk I shall point to the use of Dirac materials as analogs of high energy physics beyond the usual reach of analogs. In particular, the focus will be on the reproduction of generalized commutation relations, that are known to lead to generalized uncertainty principles (GUPs), a very active field of research in the phenomenology of quantum gravity.

Seminář se bude konat v pondělí 13.3.2022 od 14:00 hod v místnosti 226, Na Slovance, FZÚ AV ČR.

C. Skordis

G. Vos

