



Contribution ID: 400

Type: **Poster**

Self-acceleration of non-Hermitian exciton-polariton wave packets

Tuesday 13 December 2022 18:45 (15 minutes)

We theoretically investigate the wavepacket dynamics in a non-Hermitian, optically anisotropic exciton-polariton system and observe their self-acceleration. We also describe the formation of pseudospin topological defects in momentum space.

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Session Classification: Poster session

Track Classification: AIP Congress: AIP: Condensed Matter, Materials and Surface Physics