

Structure and electronic characteristics of graphene on XMnC_3Cu substrate ($\text{X} = \text{Sm}, \text{Eu}, \text{Gd}$).

Monday 28 October 2024 18:50 (20 minutes)

In this work, graphene-based nanostructures on ferrimagnetic substrates such as SmMnC_3Cu , EuMnC_3Cu , and GdMnC_3Cu were investigated. Supercells for the investigated materials were modeled and electronic properties such as the band structure and density of electronic states were calculated using density functional theory. The work was supported by the Ministry of Science and Higher Education of the Russian Federation, project FSWU-2024-0014.

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Session Classification: Poster session & Welcome drinks

Track Classification: Condensed Matter Physics