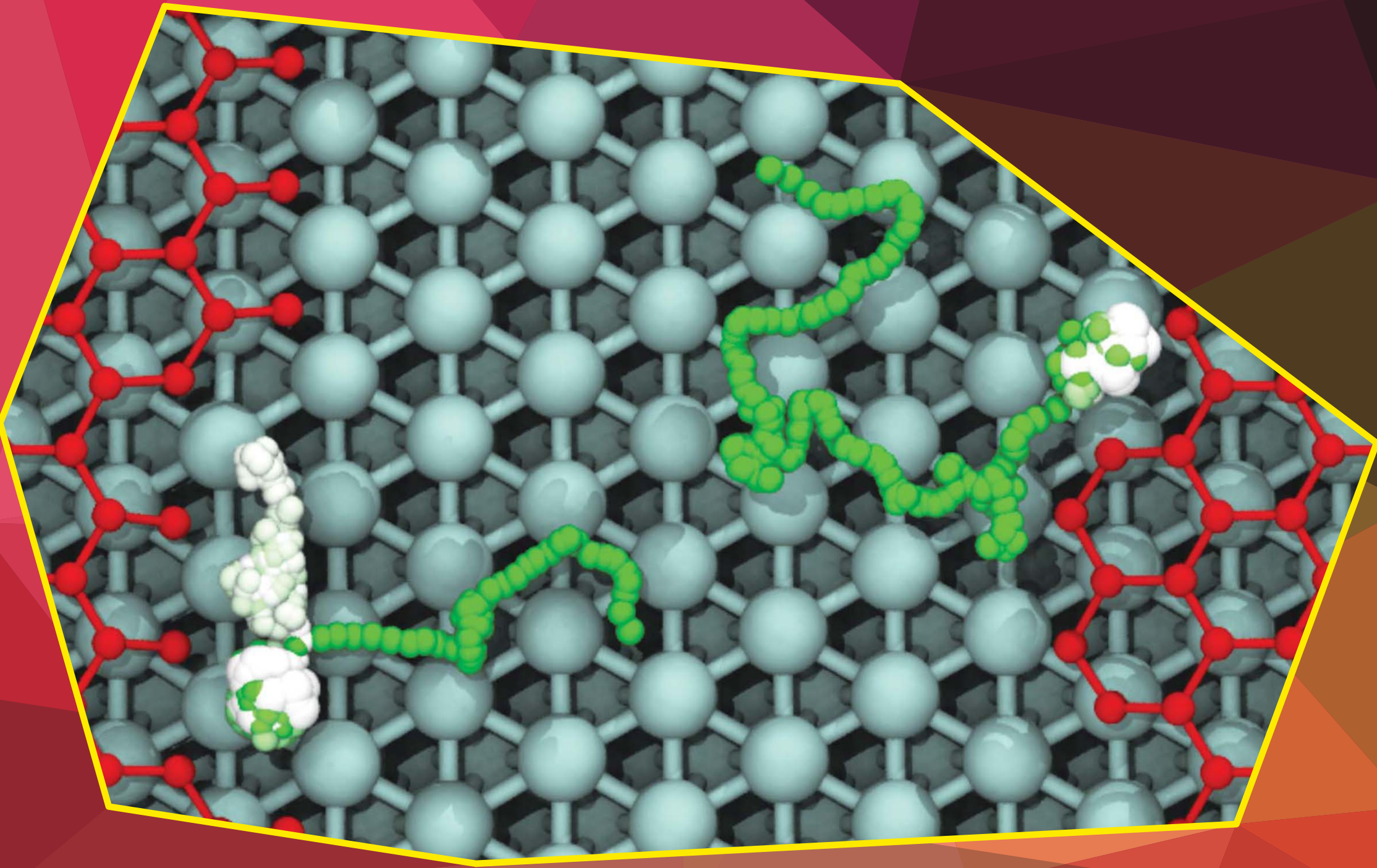


PHYSICS COLLOQUIA 2020



Two-dimensional materials have attracted much attention due to their unique properties and great potential in various applications. Controllable synthesis of 2D materials with high quality and high efficiency is essential for their large scale applications. The case study of the growth at atomic level of graphene - the prototype of the new class of 2D materials on nickel substrates has been carried out by coupling microscopy movies up to video rate and ab initio calculations. Examples of growth on both model surfaces and commercially available polycrystalline Ni foils, widely used substrates for industrial production, will be shown.

Giovanni Comelli | Università di Trieste, Italia

**THE ROLE OF THE SUBSTRATE IN THE GROWTH OF 2D MATERIALS:
THE CASE STUDY OF GRAPHENE ON NICKEL SURFACES**

11 02



UNIVERSITÀ DEGLI STUDI DI MILANO
DOTTORATO DI RICERCA IN FISICA
ASTROFISICA E FISICA APPLICATA

Gli incontri si terranno alle **ore 14:30**
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