

Electronic Supplementary Information: Probing the neutral graphene-ionic liquid interface: insights from molecular dynamics simulations[†]

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The Electronic Supplementary Information contains: (i) graphical representation of the geometrical setup of the simulation box; (ii) plot of the electrostatic potential in z-direction near the wall.

1 Geometry of the Simulation Box

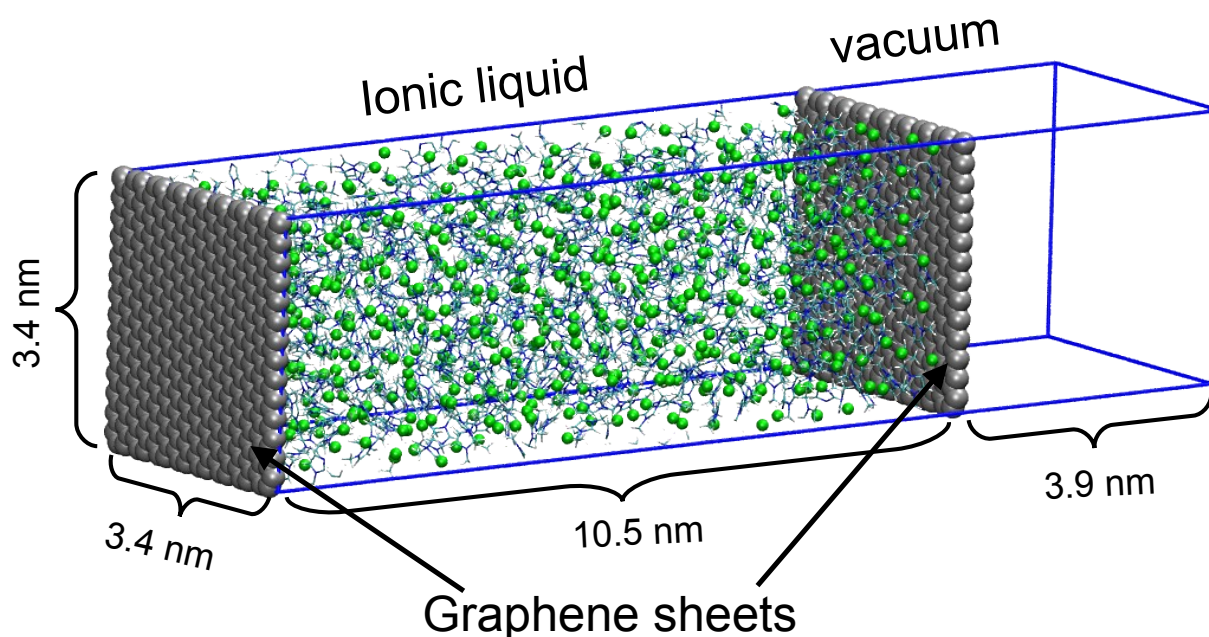


Fig. 1 Geometrical setup of the simulation box.

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2 Electrostatic Potential at the Wall

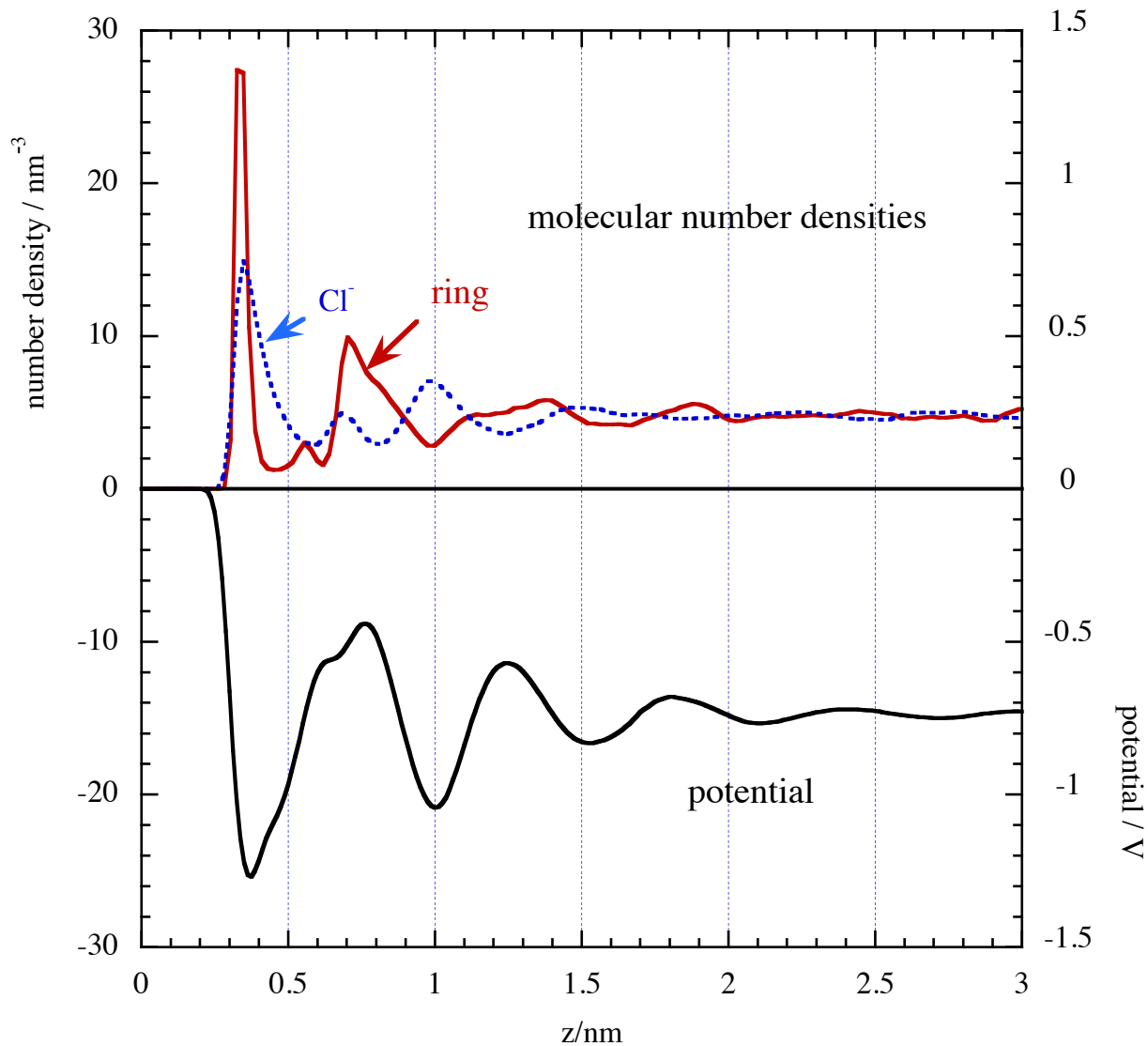


Fig. 2 The interfacial number densities of [dmim][Cl] cations (red) and anions (blue). The electrostatic potential in the direction perpendicular to the wall (z -direction) is shown by black below the density curves (the corresponding ordinate is on the right side of the plot).