Projected electronic density of state for Graphene - BC3 The sum of PDOS in Graphene - BC3 PDOS for Boron in the BC3 layer 2.00 Total DOS Total DOS s PDOS s PDOS 1.75 p_x PDOS p_x PDOS 10 p_y PDOS p_y PDOS 1.50 p_z PDOS p_z PDOS Fermi energy Fermi energy 1.25 sity 0.75 0.50 0.25 Energy (eV) Energy (eV) PDOS for Carbon in the BC3 layer PDOS for Carbon in the Graphene layer Total DOS Total DOS s PDOS $s \; \mathrm{PDOS}$ 3.5 3.5 p_x PDOS p_x PDOS p_y PDOS p_y PDOS states states p_z PDOS p_z PDOS Fermi energy --- Fermi energy 2.5 of Jo 2.0 Density Density 0.5 0.5 0.0 -6 -2Energy (eV) Energy (eV)