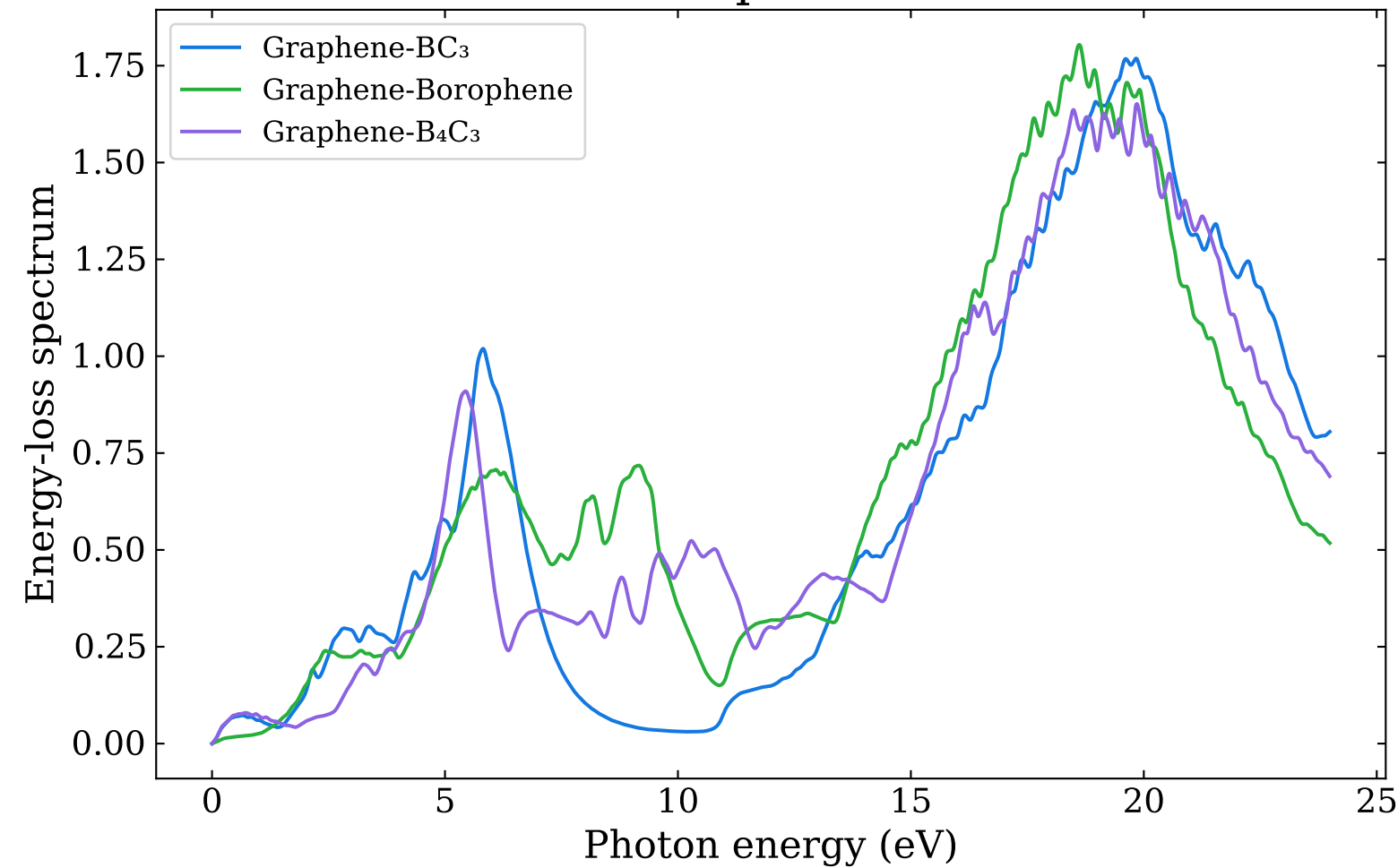


Energy-loss spectrum for bilayers by PBE

in-plane



out-of-plane

