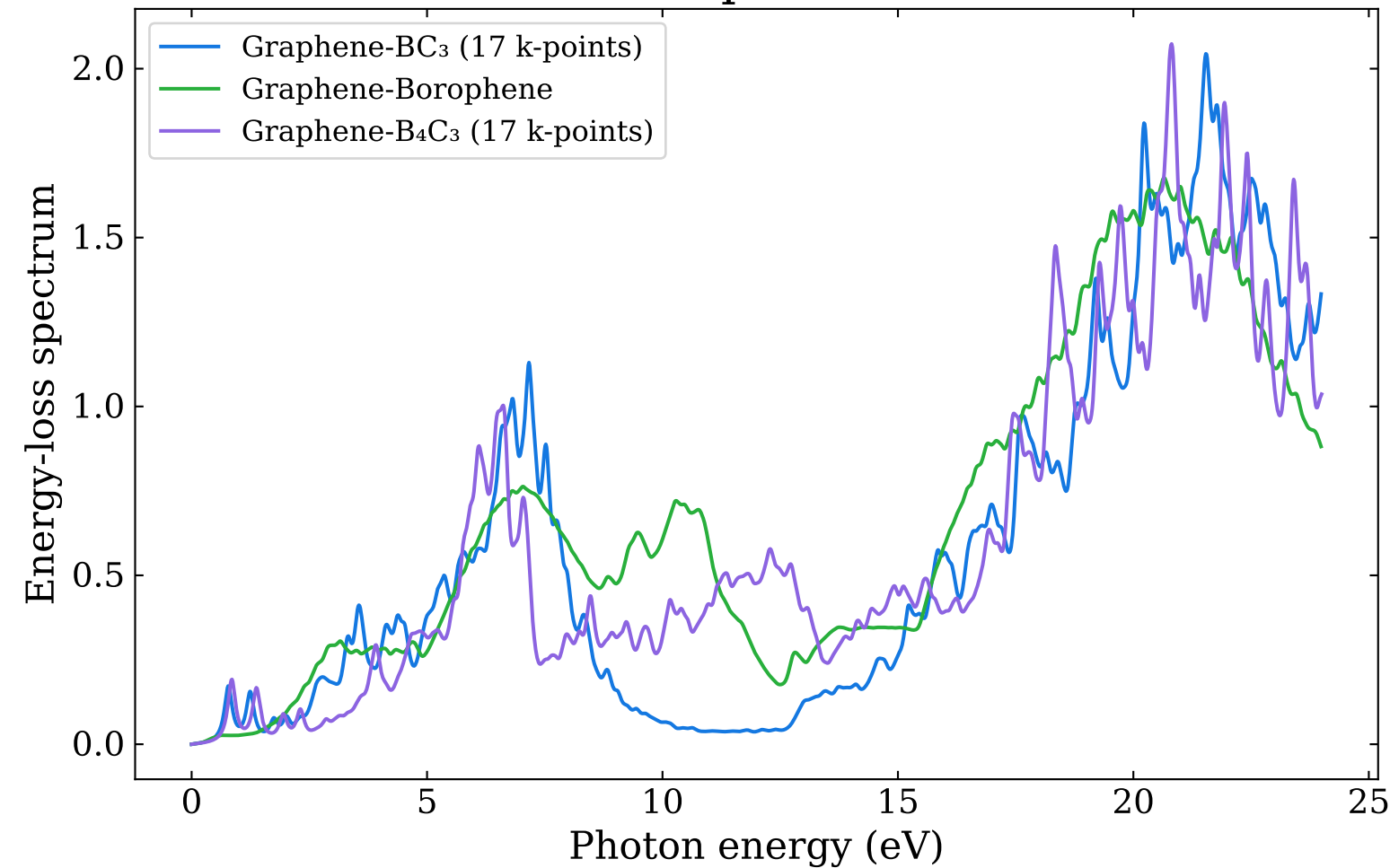


Energy-loss spectrum for bilayers by HSE06

in-plane



out-of-plane

