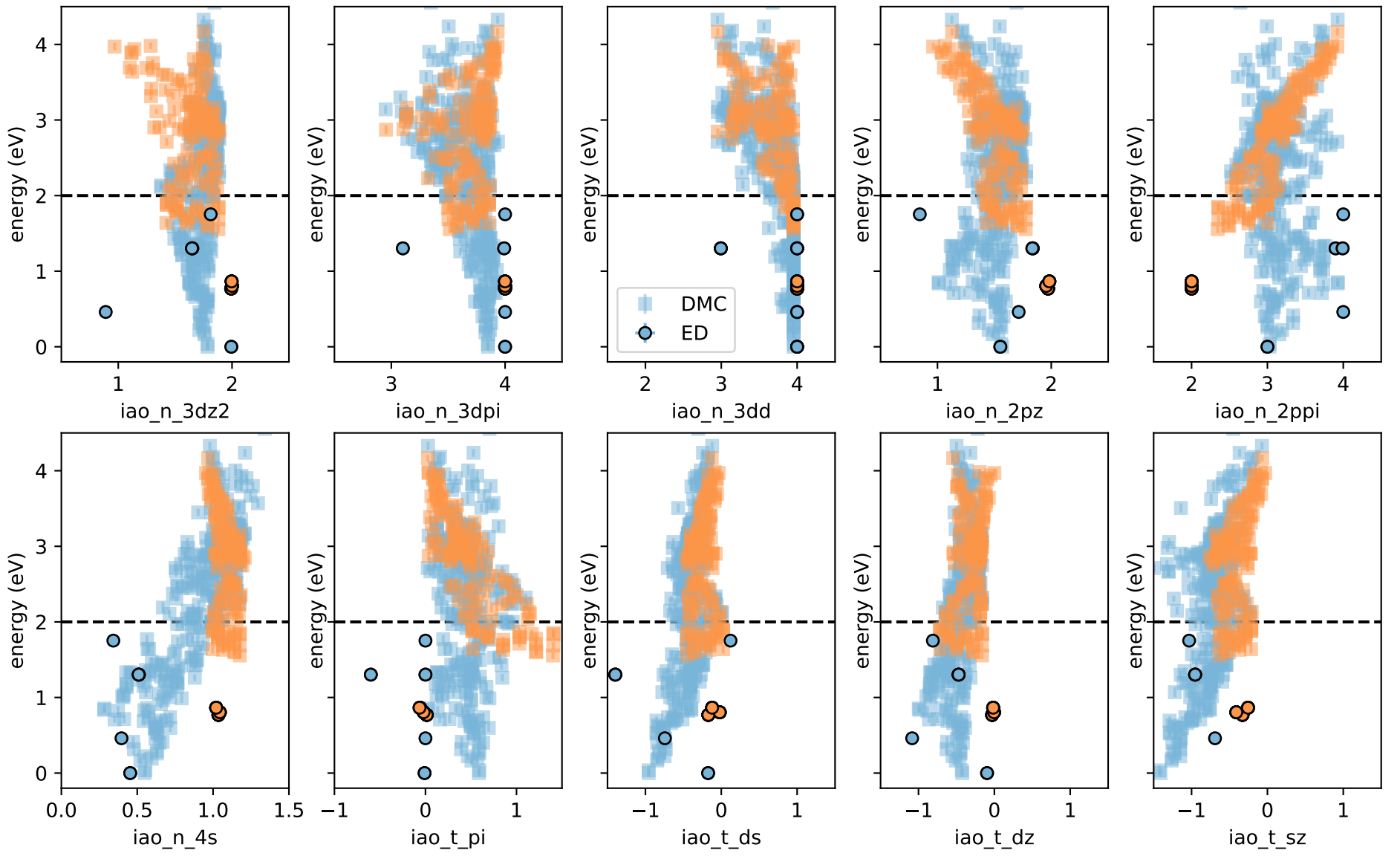Ed extrapolation errors