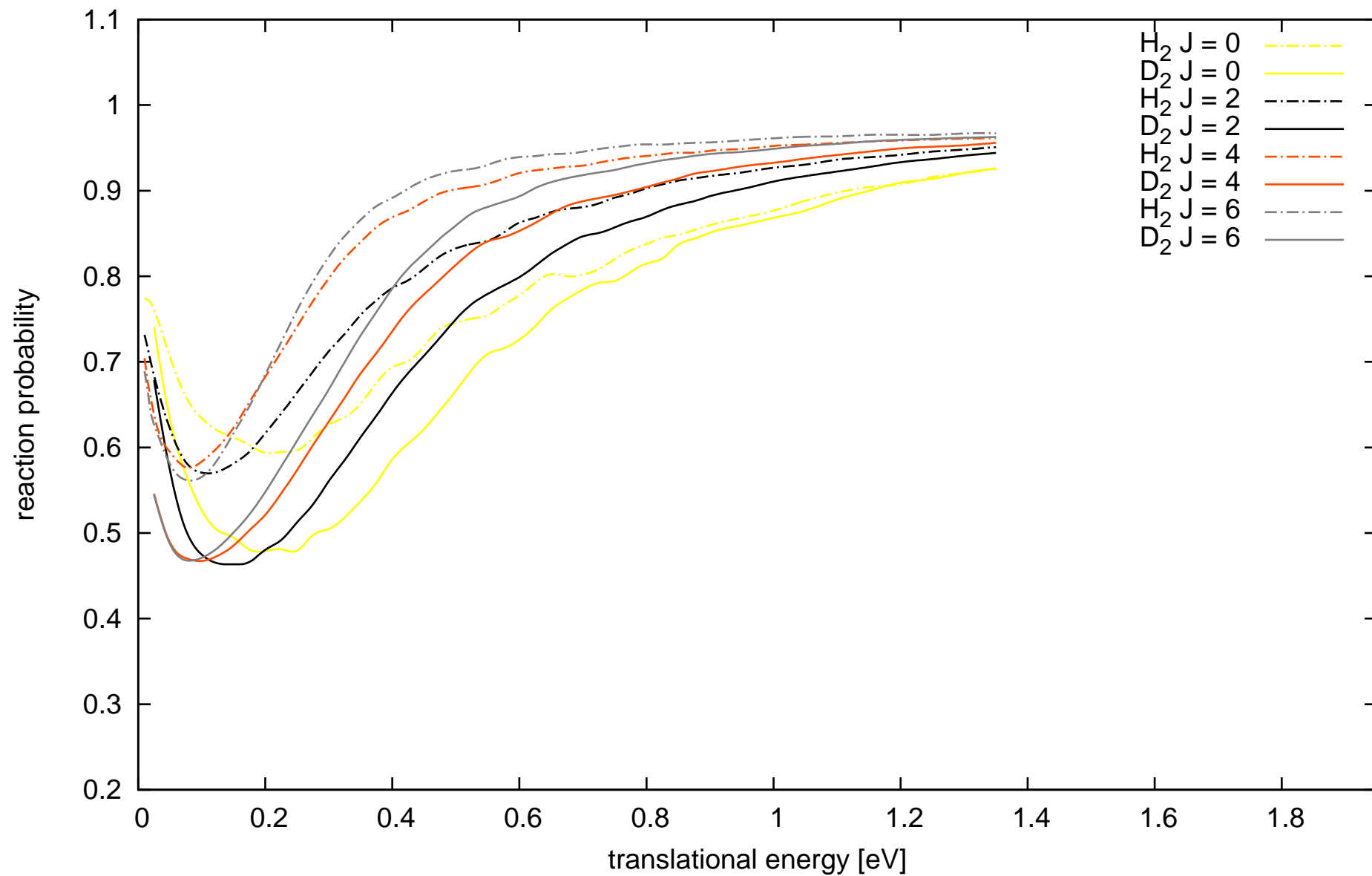
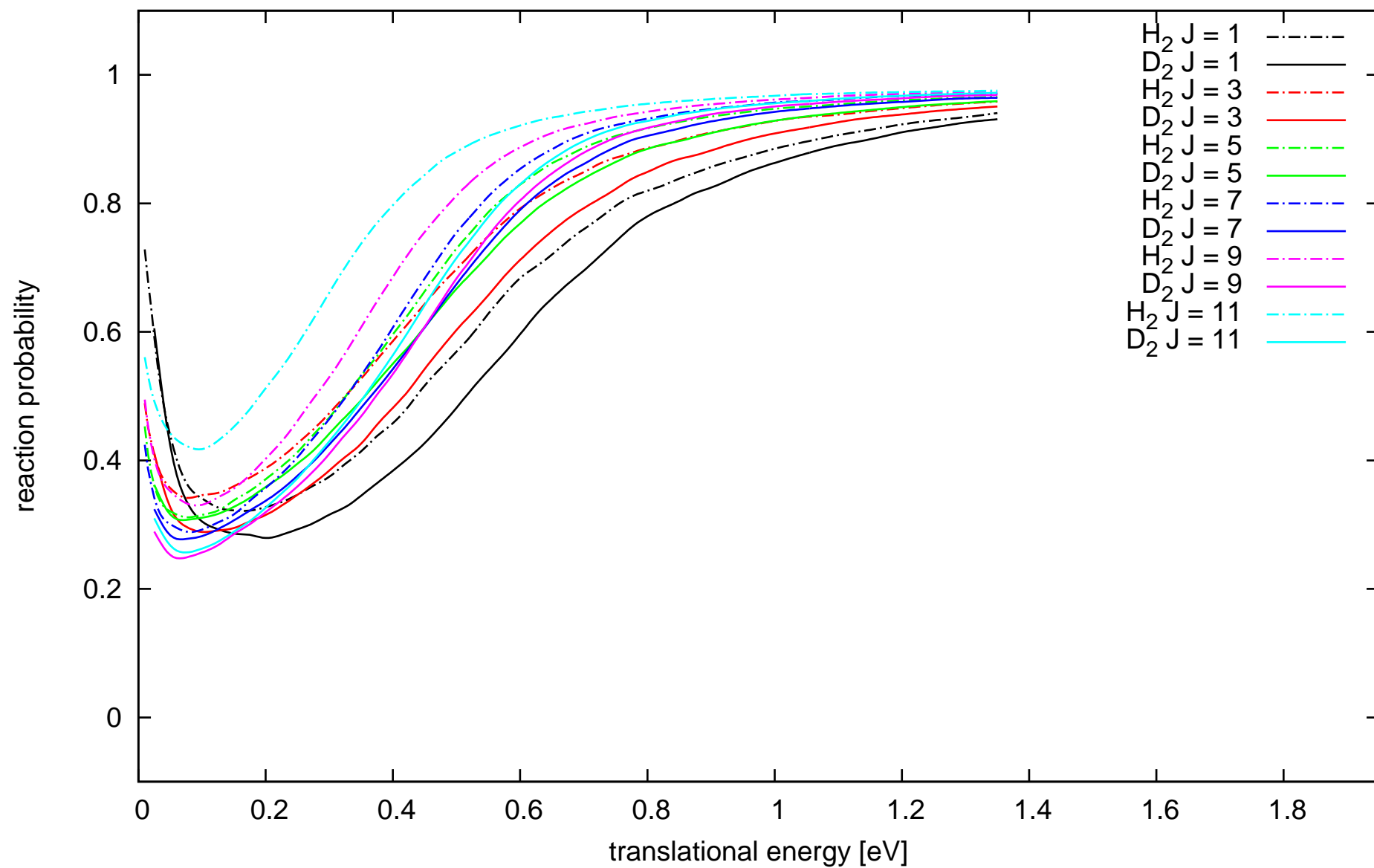


Figure 1 is a plot of the relative rate coefficient k_r (y-axis, ranging from 0.2 to 1.1) versus translational energy E (eV) (x-axis, ranging from 0 to 1.8). The plot displays 12 curves for H_2 and D_2 molecules in various rotational states $J = 0, 2, 4, 6, 8, 10$. The legend indicates that H_2 curves are dashed and D_2 curves are solid for each J value. The curves generally show a minimum around 0.1-0.2 eV and then increase towards 1.0 at higher energies. The H_2 curves are consistently higher than the D_2 curves for the same J value.

QCT H₂ vs. D₂ Pt(211) -- state v = 1
Degeneracy averaged reaction probabilities
even J states



QCT H₂ vs. D₂ Pt(211) -- state v = 0
Degeneracy averaged reaction probabilities
uneven J states



QCT H₂ vs. D₂ Pt(211) -- state v = 1
Degeneracy averaged reaction probabilities
uneven J states

