Homework 10

1. (30 points) Express the cross section of $D + A \rightarrow C + F$ scattering
   through $A \rightarrow B + C$ transtion and $D + B \rightarrow F$
   cross section in the *form* :

   $$d\sigma_{D+A \rightarrow C + F} = d\, P_{BA}\,(z)\; dz\; d\sigma_{D+B \rightarrow F}$$