PH354   Hmw5,   due 2/22/11

Calculate the differential cross section

$$\frac{d\sigma}{d\cos\theta}$$

for A + B → C + D with an invariant matrix element:

$$\mathcal{M} = \frac{e^2 (P_A + P_C) \cdot (P_B + P_D)}{(P_A - P_C)^2} \quad .$$