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Equation (17) was printed with an error. The second term on the right hand side contains a repeated multiplicative factor which should not be present. The correct Eq. (17) is as follows:

$$\frac{dM}{d\sigma} = \frac{1}{e^2} (1 - c)(M_{an} - M_{irr})(\sigma \pm \eta E) + c \frac{dM_{an}}{d\sigma}.$$ (17)