

Intensity Frontier Fellow Application

The previous studies of antiproton production has demonstrated that a consistent description model is required for Mu2e energy region. Thus, I propose to consider the interaction as $p + xp \rightarrow \bar{p} + X (x > 1)$ process in order to overcome the kinematics constraint, and a consistent model will naturally cover all the angular range without artificial choosing different formulae. This method will be much easier to implement and with few parameters.