$$R_{
m rel}^{p_{
m T}} = rac{1+\langle \mathcal{A}
angle}{1-\langle \mathcal{A}
angle}$$
, where  $\mathcal{A} = rac{p_{
m T}^{
m probe}-p_{
m T}^{
m tag}}{2p_{
m T}^{
m ave}}$ , and

$$R_{
m rel}^{MPF} = rac{1 + \langle \mathcal{B} \rangle}{1 - \langle \mathcal{B} \rangle}$$
, where  $\mathcal{B} = 1 + rac{ec{E}_{T,
m miss} \cdot ec{p}_T^{
m tag}}{2p_T^{
m ave} \cdot |ec{p}_T^{
m tag}|}$ .