Continuation of General physics meeting 2018/04/14

Normalization of denominator

$$P_{\text{shape}}(\vec{p}^{\,\mu};\vec{a}_V) = \frac{A_{cc}^{\mu\mu H}(\vec{p}^{\,\mu})|\mathcal{M}_{ZH\to\mu\mu H}(\vec{p}^{\,\mu};\vec{a}_V)|^2}{A_{cc}^{\mu\mu H}(\vec{p}^{\,\mu})\sigma_{ZH\to\mu\mu H}(\vec{a}_V)}$$

$$P_{\text{shape}}(\vec{p}^{\,\mu};\vec{a}_{V}) = \frac{A_{cc}^{\mu\mu H}(\vec{p}^{\,\mu})|\mathcal{M}_{ZH\to\mu\mu H}(\vec{p}^{\,\mu};\vec{a}_{V})|^{2}}{A_{cc}^{\mu\mu H}(\vec{p}^{\,\mu})\sigma_{ZH\to\mu\mu H}(\vec{a}_{V})}$$

Denominator must be correctly normalized to give Probability

 σ varies depending on av Ratio of $|M|^2$ over events gives σ () automatically Acc is included



Parameter estimation



Parameter estimation



Parameter estimation

