KstopID spectrum fitting

Voigtian + ExpTail

To get more reasonable ratio of in-flight events contamination

Oct 17, 2007 H. Tatsuno



Parameters of a fixed Voigtian



"pure" stopped K events

(SDD hits required and Lα peak selected)





Remark

Furthermore, sometimes the "pure" stopped-K shape can be fitted not only by Voigtian but also by Gaussian due to its low statistics (?).

On the other hand, the raw KstopID shape is fit to only a Voigtian.

So, it is not adapted to fix the Voigitian parameters by the values of "pure" stopped-K events.

Results





Results



naively think : opposite tendency ?

(Continue)

This tendency is not reasonable ?



Counts

run 419-500



