Signal and acceptance





About integral method

•fit function:gausn(0)*[3]+pol1(4)

•signal yield :fit function's first parameter

•significance :fit function's first parameter over error of fit function's first parameter About bin by bin counting method

•fit function: $[1]^* \exp(-(x-[0])^*(x-[0])/2/[2]/[2]) + [3]+[4]^*x$

•the mass window in each y_pt bin :fitmean-3*fitsigma<particlemass<fitmean+3*fitsigma

•fit function:gaus+line

 bin by bin counting(black line) •Fix fitmean range(guided by 0-40%) (mean-sigma,mean+sigma) •Fix fitsigma(guided by 0-40%)

-1.0<y<-0.7

•integral method(red line) •Fix fitmean range(guided by 0-40%) (mean-sigma,mean+sigma) •Fix fitsigma(guided by 0-40%) (sigma-0.0002,sigma+0.0002)



•yield:bin by bin count(•the mass window in each y_pt bin is the same as that of no y_pt binning)





★spectra: N_raw:the efficiency corrected signal counts.

★ there are many TH1F corresponding to diefferent y range filled with the caculated values whose X-axis is Pt.

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