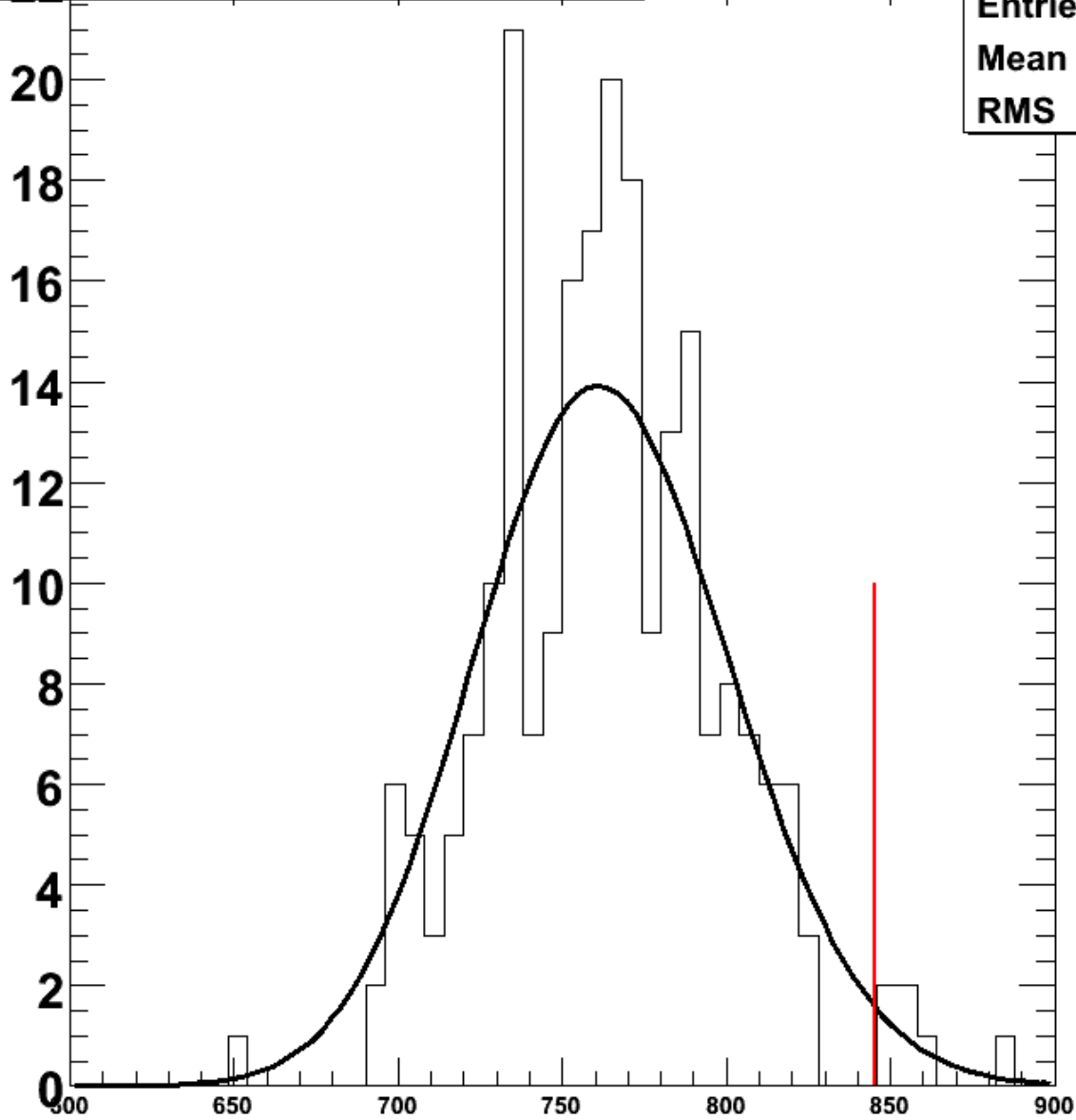


# SK-I + SK-II fake MC-Data

Minimum  $\chi^2$  Distribution

minx2	
Entries	227
Mean	763.6
RMS	35.18



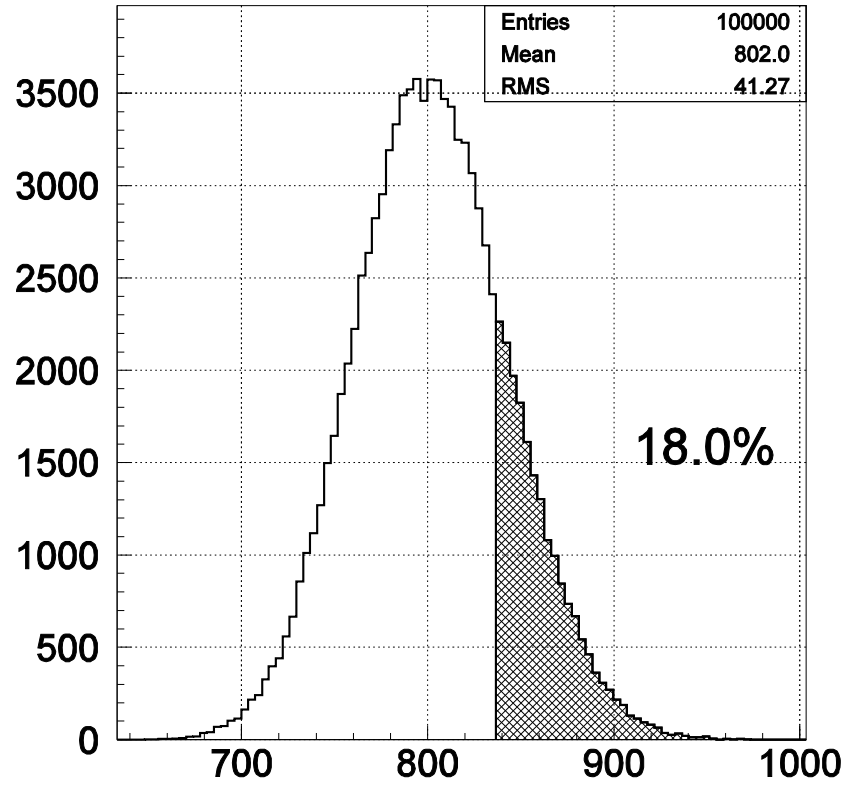
- $\chi^2$  Distribution fake MC
- $\chi^2$  for 763 D.O.F
- $\chi^2$  from the Data

**Average at 763**

**MC generated at data's fit point,  
and with the data's fit  
systematic error parameters**

# Nakayama May 2006

$\chi^2$  dist. of 100000 ToyMCs  
(assuming the fitted MC as true)



	<i>Nakayama</i>	<i>Gutsu</i>
$\chi^2$	839.7	845.4
DOF	755	737
p-value	18.0 %	~3.0 %
Ave $\chi^2$	802	763
	<b>2-Flavor</b>	<b>3-Flavor</b>
Showering $\mu$	Yes	No
SK-II	802 days	802 days