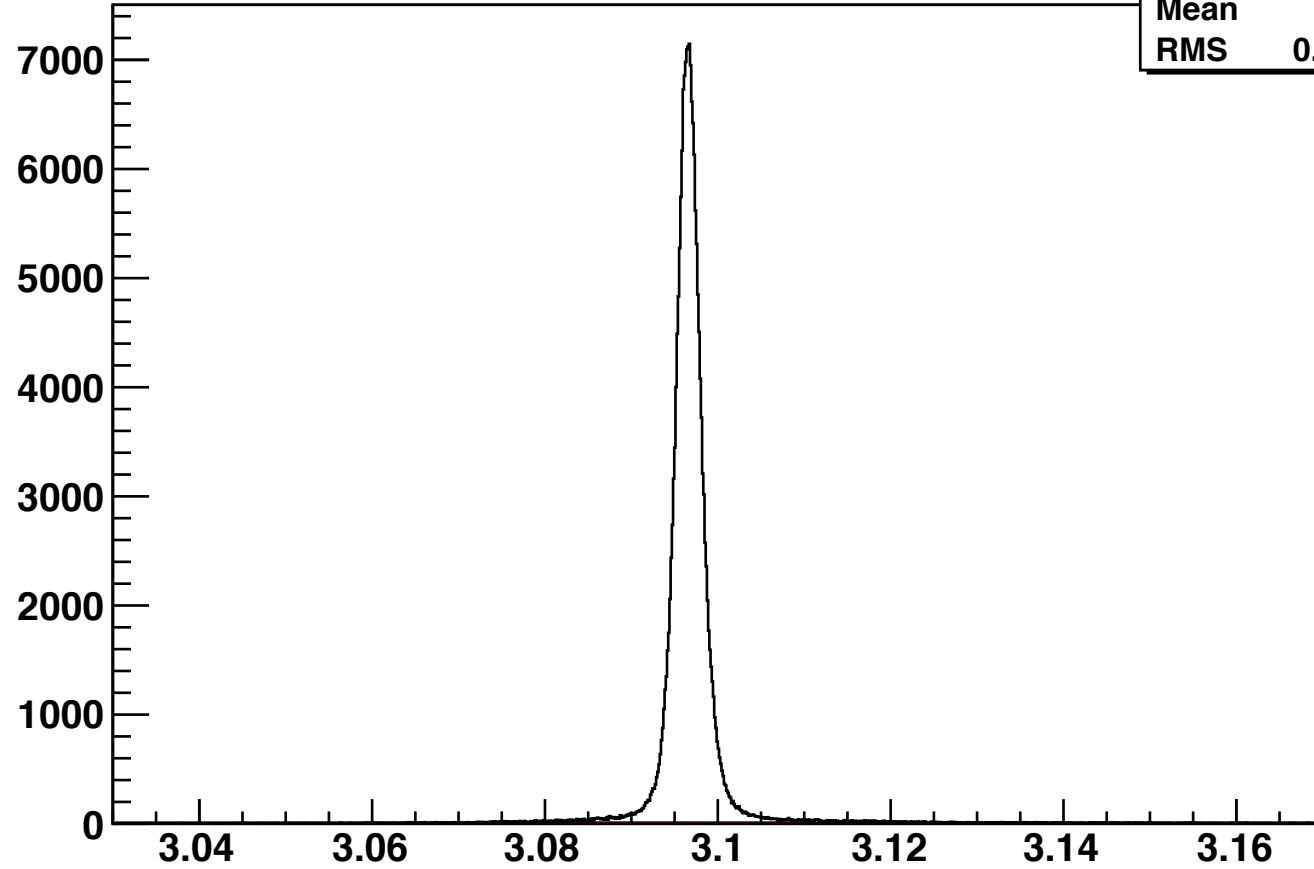


Samples: signal MC for invisible for 2012(from Suyu)

hist



hist	
Entries	196234
Mean	3.097
RMS	0.006753

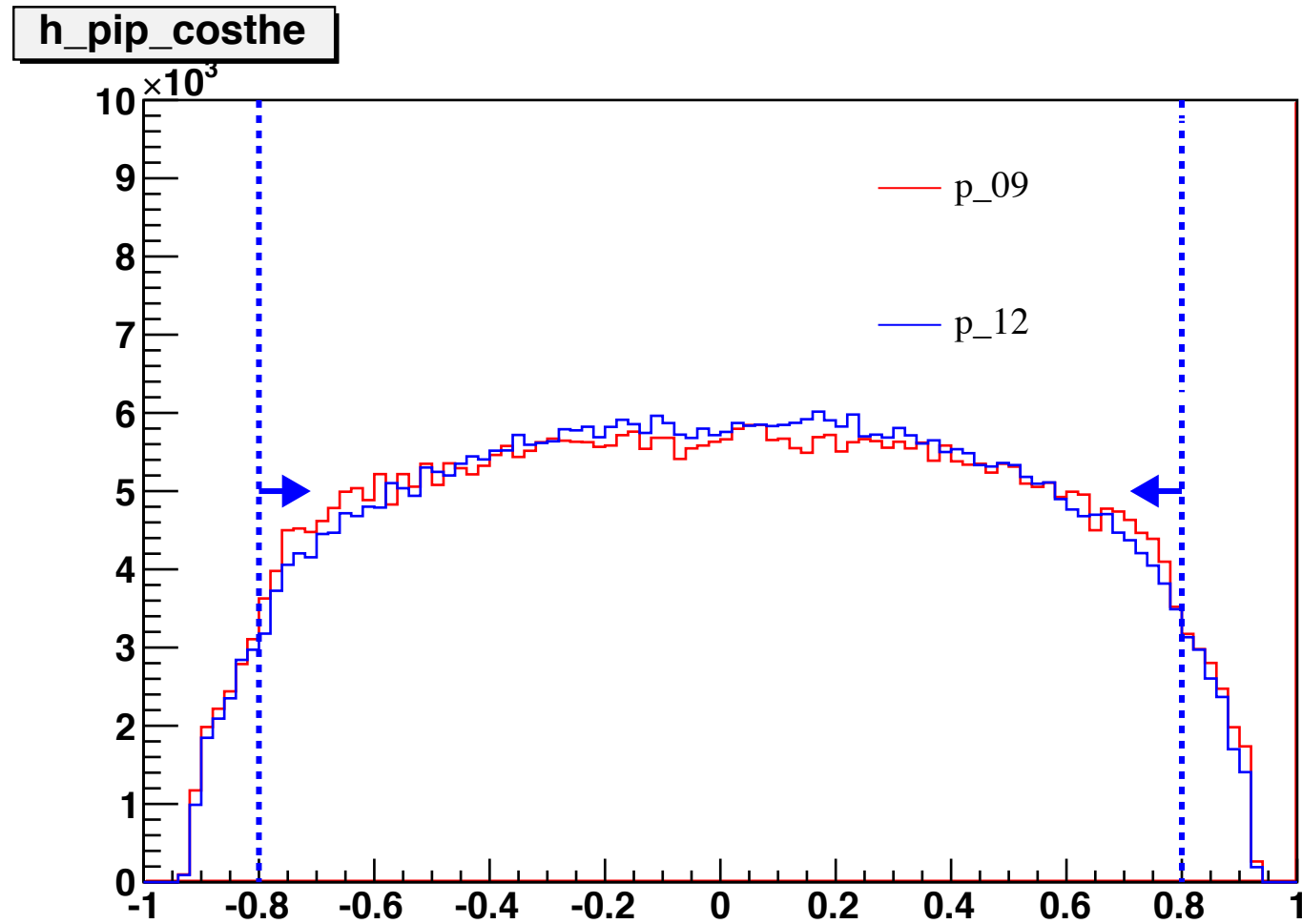
$$\begin{aligned}\epsilon &= 196234/500000 \\ &= (39.25 \pm 0.07)\%\end{aligned}$$

Update of contrast of invisible

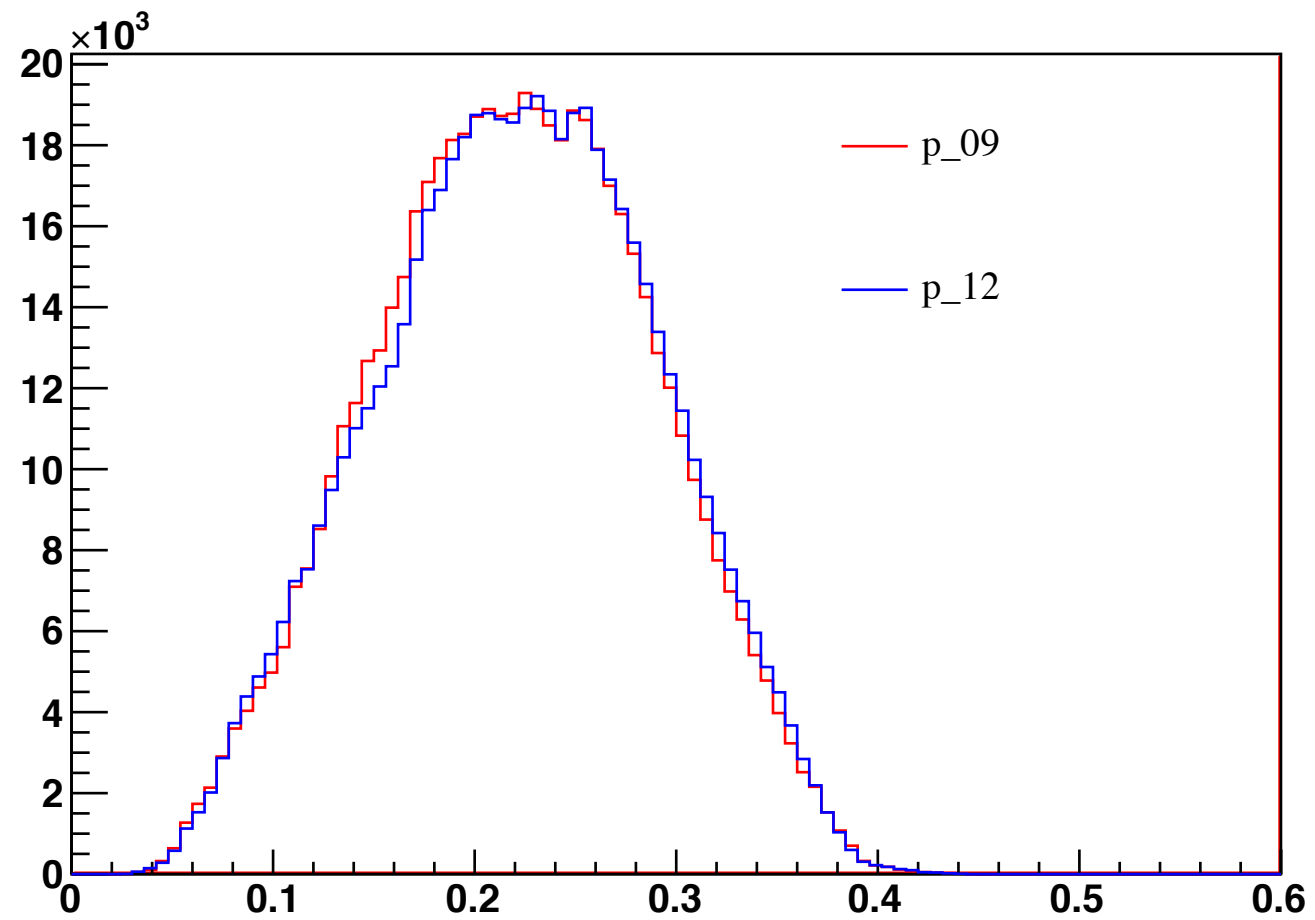
	mc	Psip_mc	fit_signal	fit_bg	Psip_data	Efficiency(%)	fit/efficiency	N_invi/efficiency(from Suyu)
09	138035	106M	137770	88387	106M	(40.48 ± 0.07)	340341	-1655
12	528700	400M	396332	202196	341M	(39.25 ± 0.07)	1009763	-232754
ratio	3.83	3.77	2.88	2.29	3.22		2.97	140.6

pip_costhe

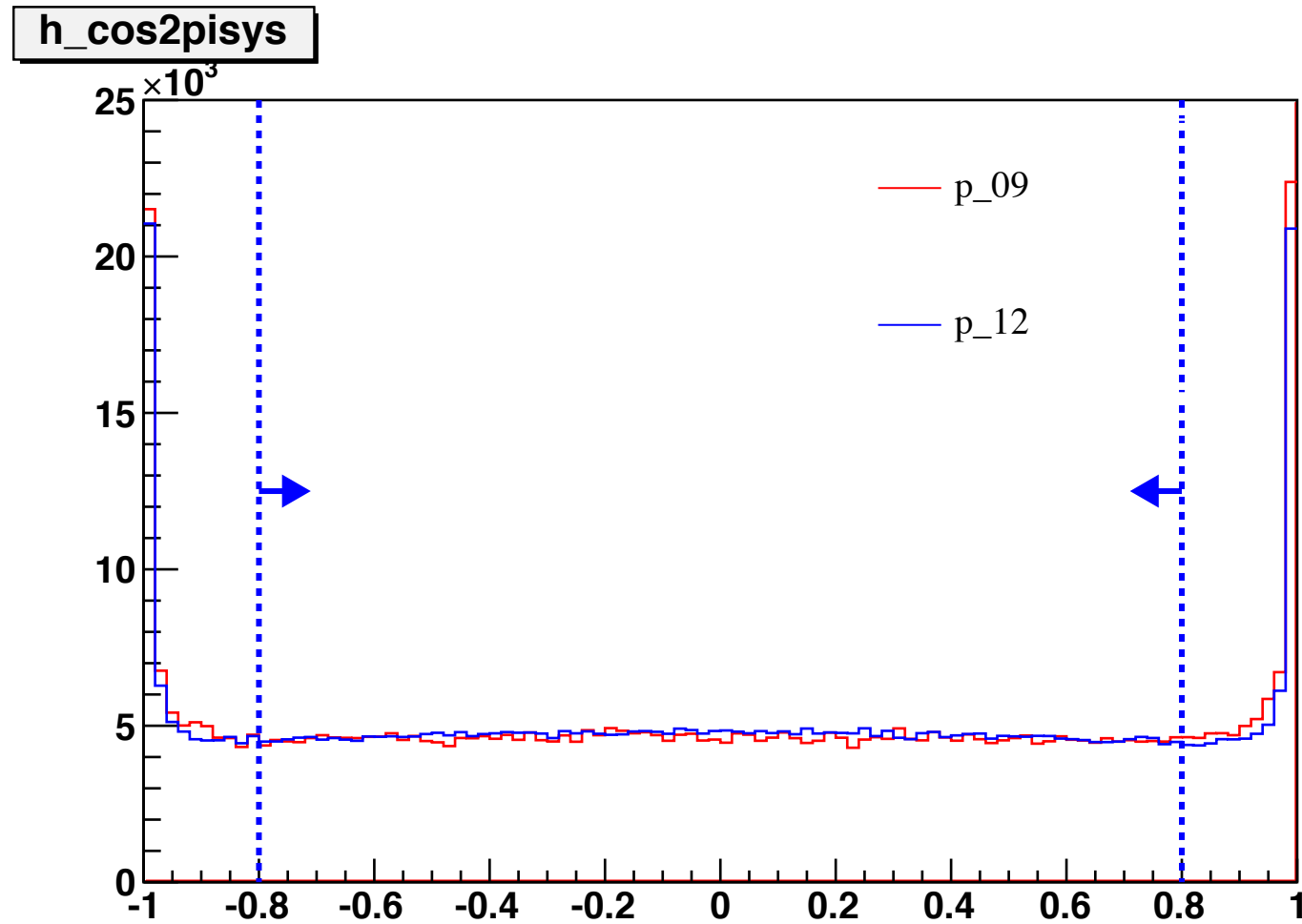
samples:data@2009 & data@2012



pt



cos2pisys



p

