



Correlation

SPS

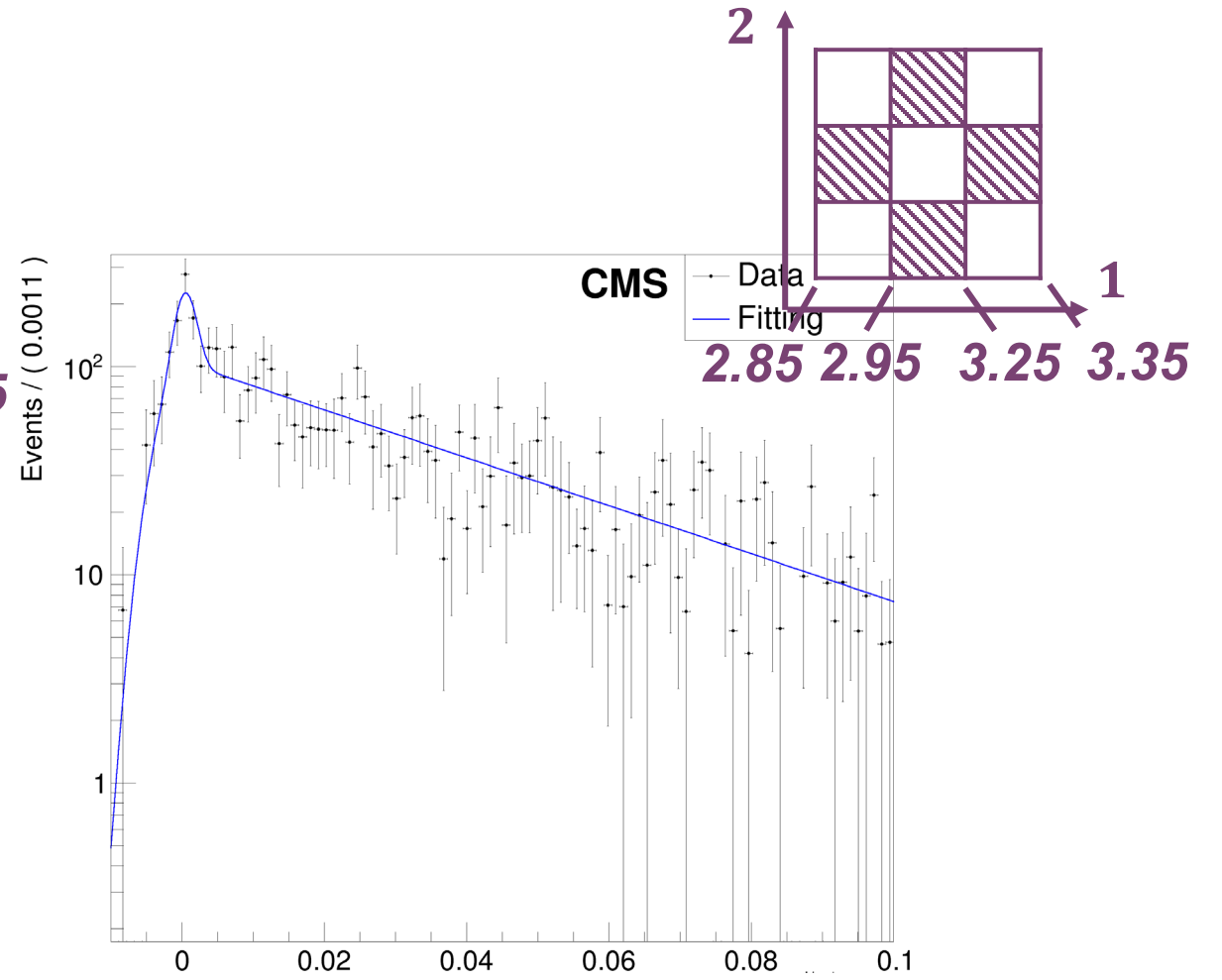
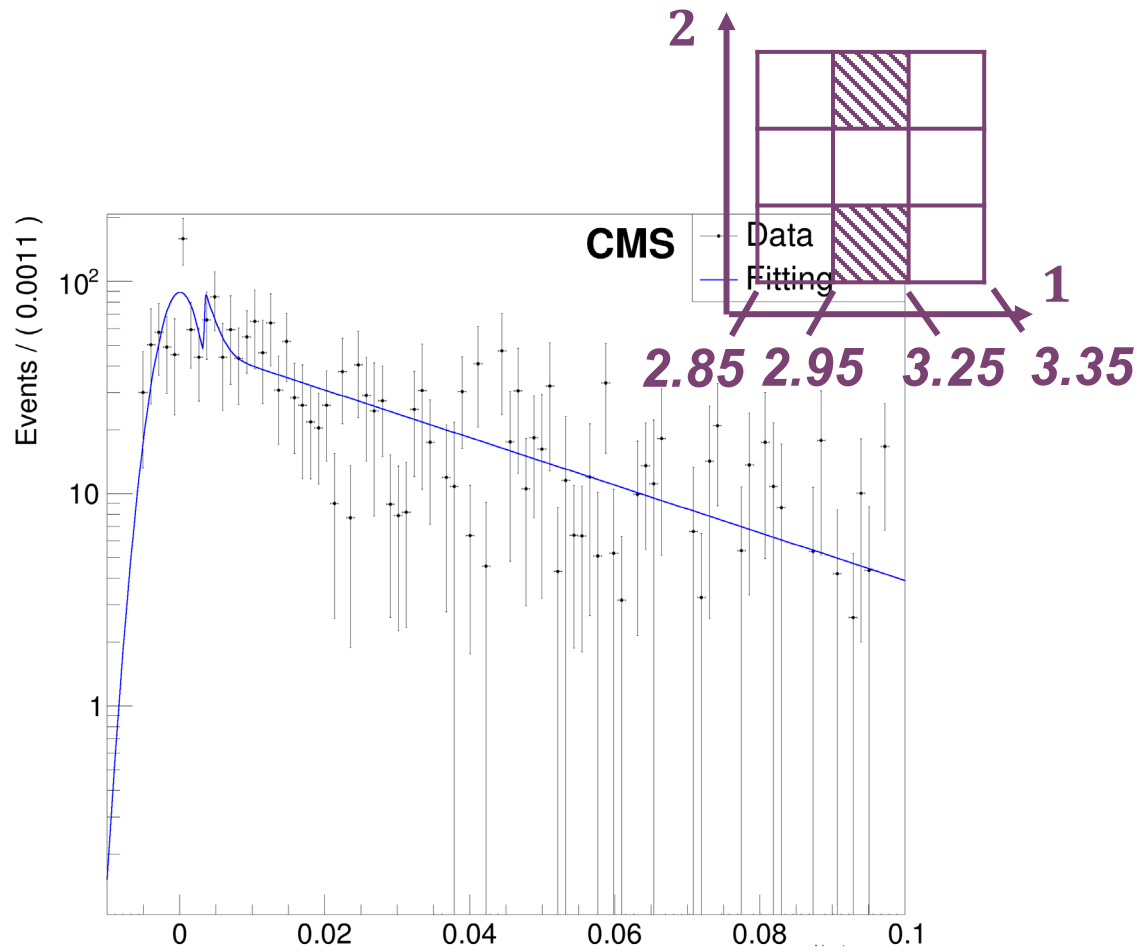
	M_2	$c\tau_1$	$c\tau_2$
M_1	-0.010	-0.004	-0.010
M_2	-	-0.047	-0.072
$c\tau_1$	-	-	-0.007

DPS

	M_2	$c\tau_1$	$c\tau_2$
M_1	-0.011	-0.075	0.010
M_2	-	-0.050	-0.032
$c\tau_1$	-	-	0.066

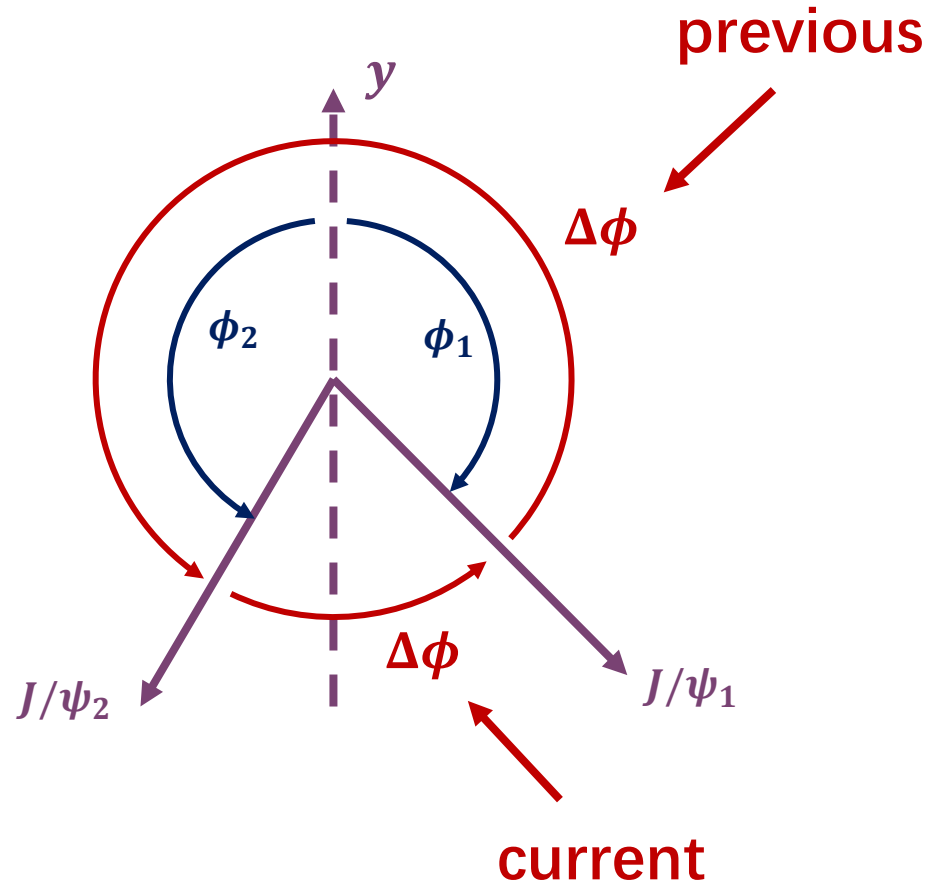


$M(\mu^+ \mu^-)$ requirement





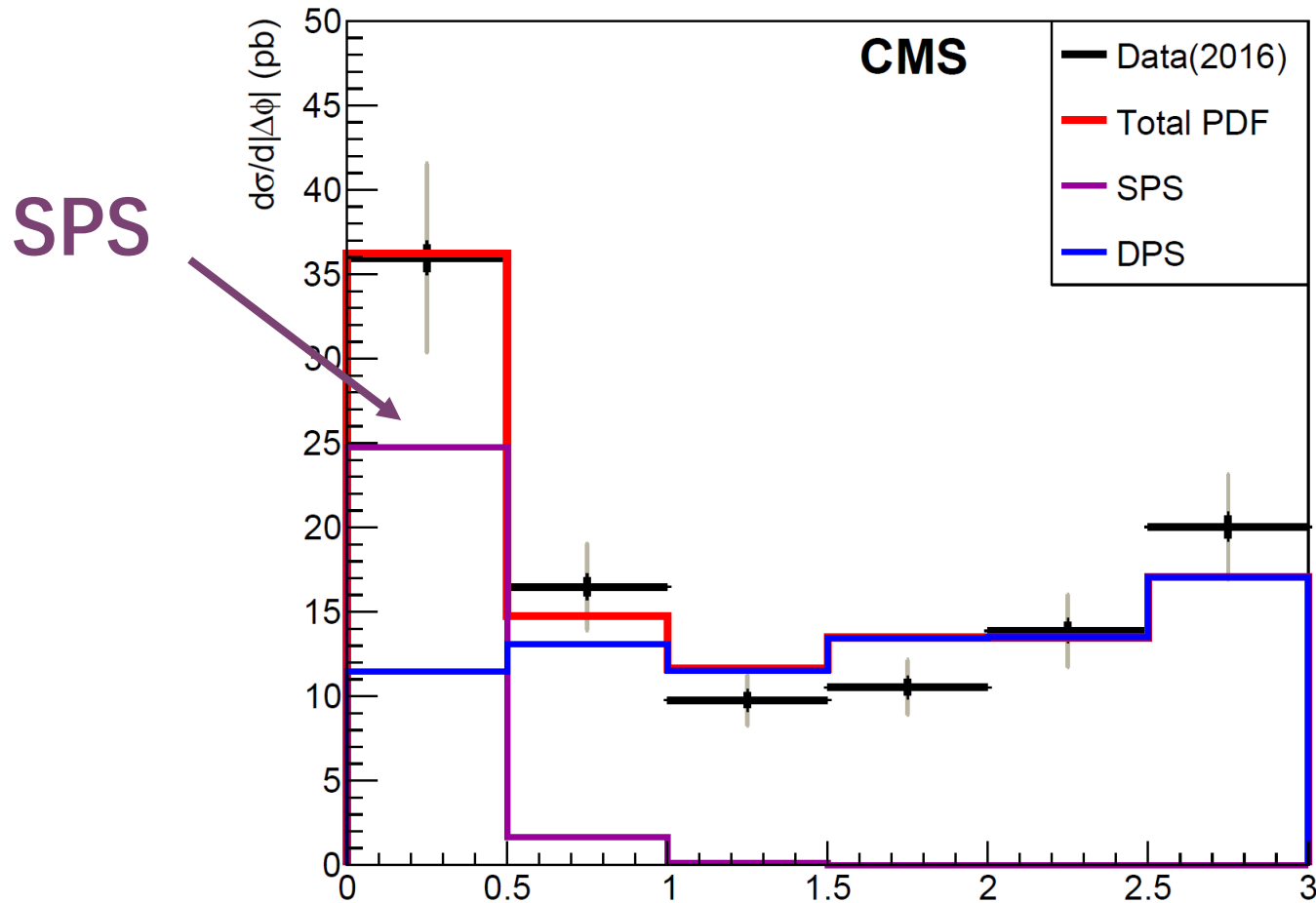
$|\phi(J/\psi_1), \phi(J/\psi_2)|$ **distribution**



- $\phi_1, \phi_2: [-\pi, \pi]$
- $\Delta\phi: [0, \pi]$



$|\phi(J/\psi_1), \phi(J/\psi_2)|$ distribution



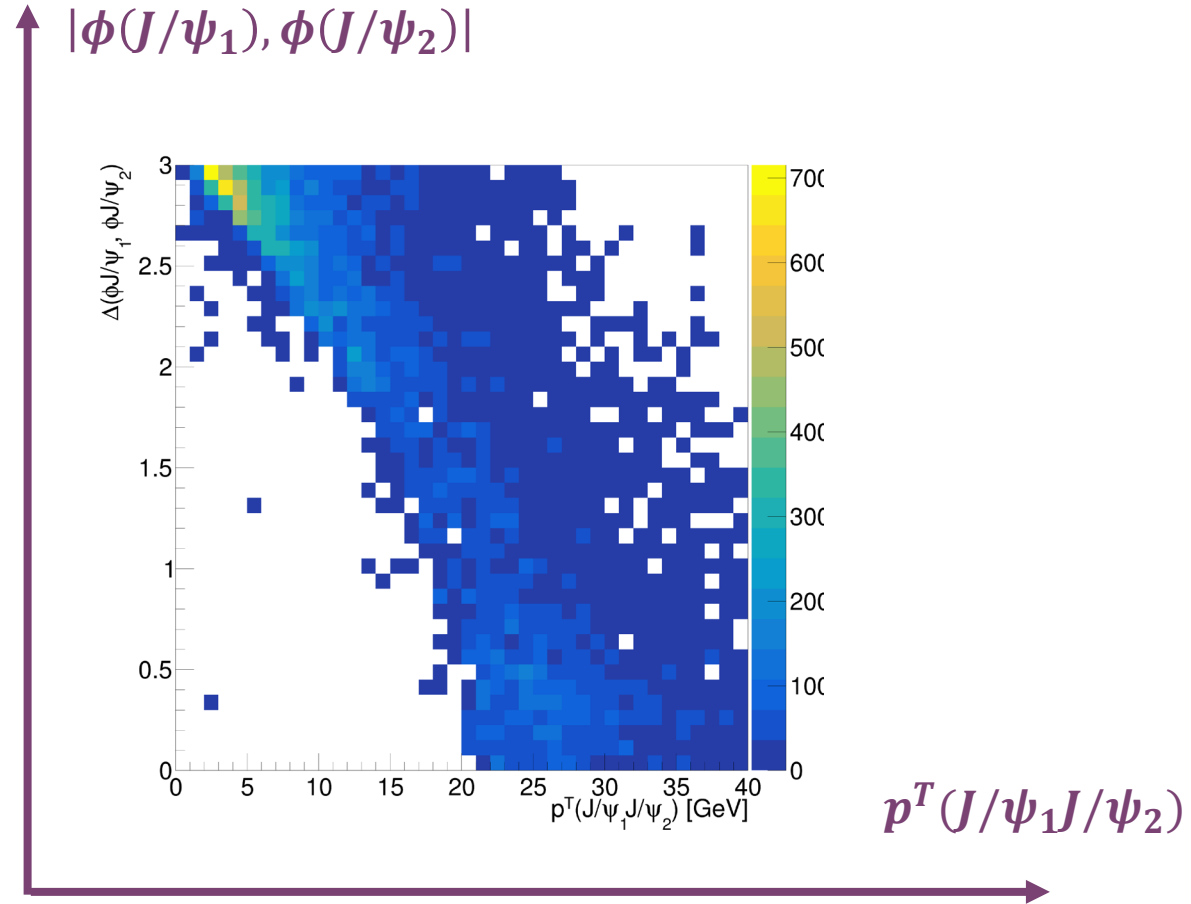
$$f_{DPS} = 0.751 \pm 0.058$$

- $\Delta y: 0.71 \pm 0.02$

- $M: 0.67 \pm 0.03$



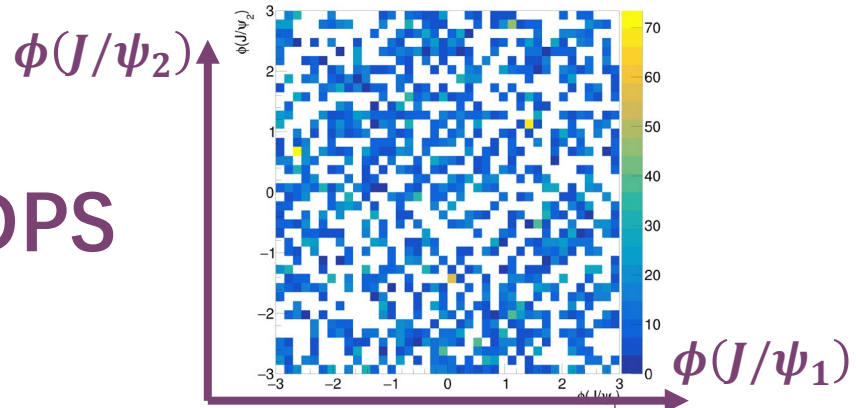
$|\phi(J/\psi_1), \phi(J/\psi_2)|$ distribution



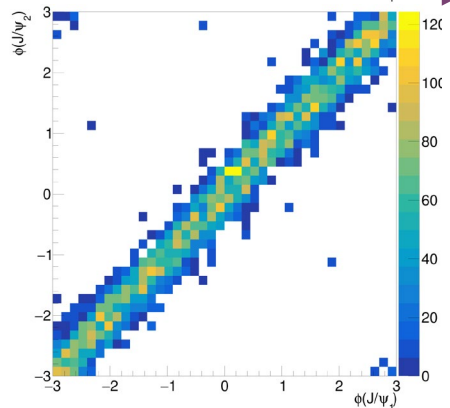
- Significant correlation

$|\phi(J/\psi_1), \phi(J/\psi_2)|$ distribution

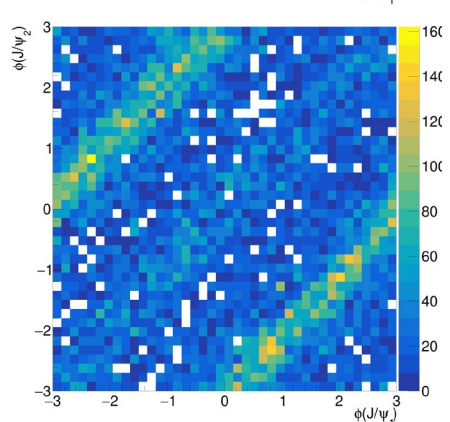
DPS



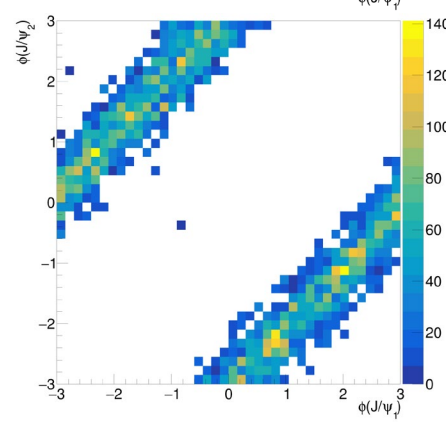
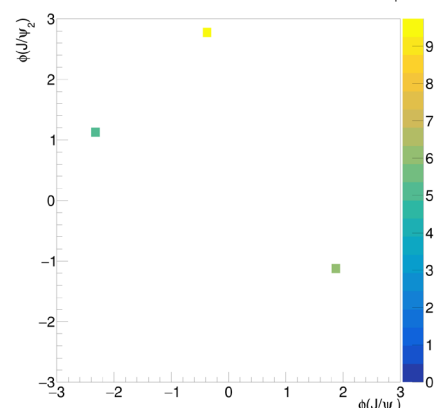
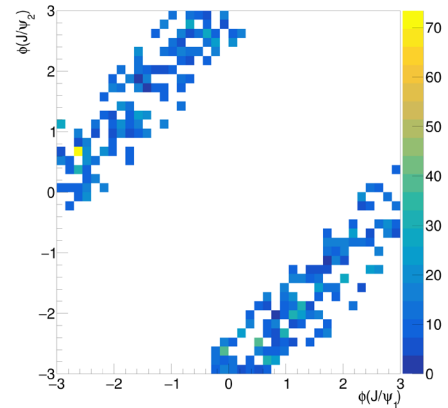
SPS



Data



Low p^T request

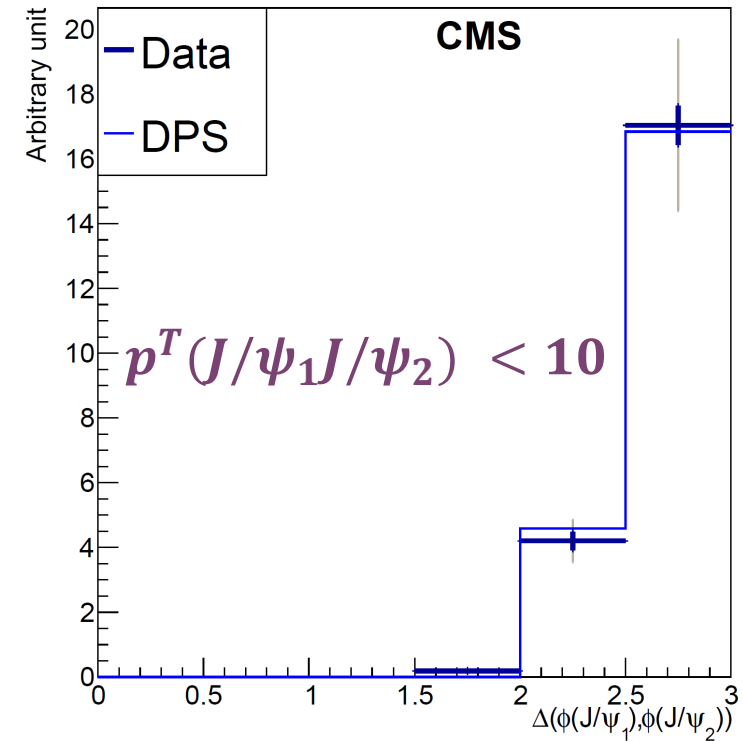


- With the low $p^T (J/\psi_1 J/\psi_2)$ request (<10)



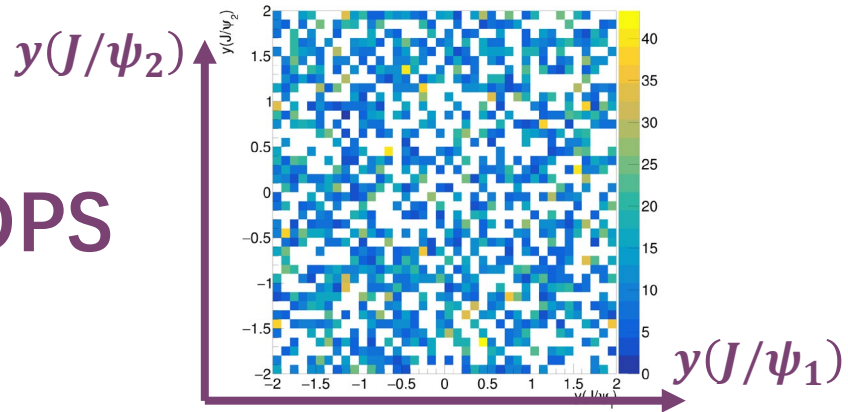
$|\phi(J/\psi_1), \phi(J/\psi_2)|$ **distribution**

- Is it OK for us to accept a SPS MC sample without back-to-back contribution?
- If the back-to-back contribution in the data can be explained by the DPS contribution only?

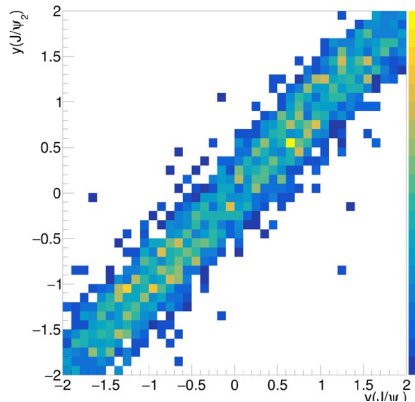


$y(J/\psi)$ distribution

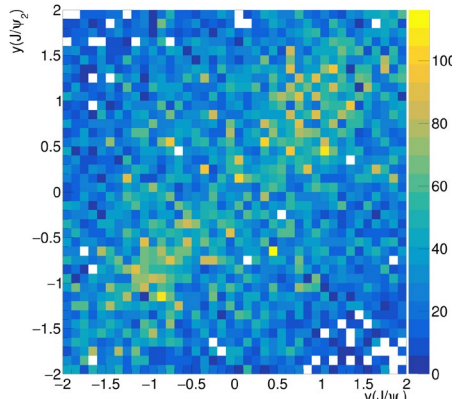
DPS




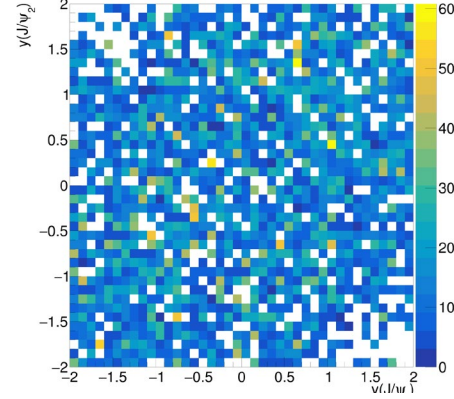
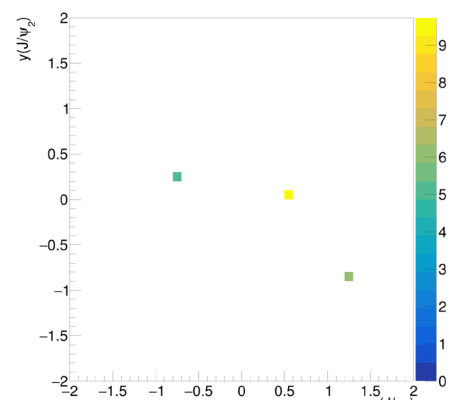
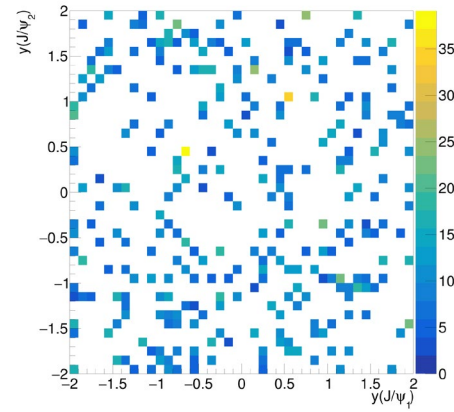
SPS



Data




Low p^T
request



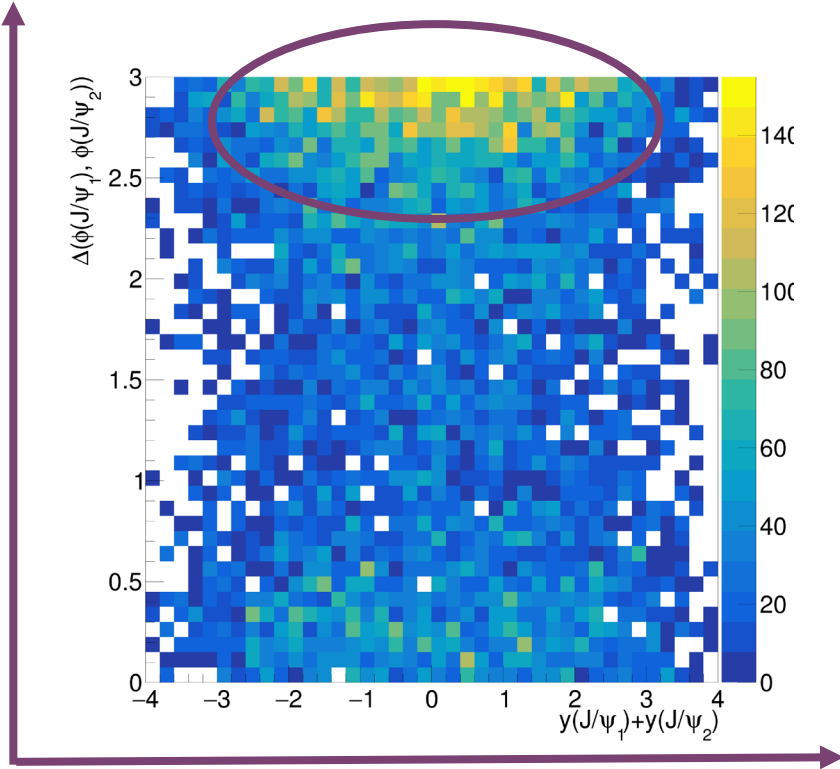
- No significant structure with the low $p^T(J/\psi_1 J/\psi_2)$ request (<10)



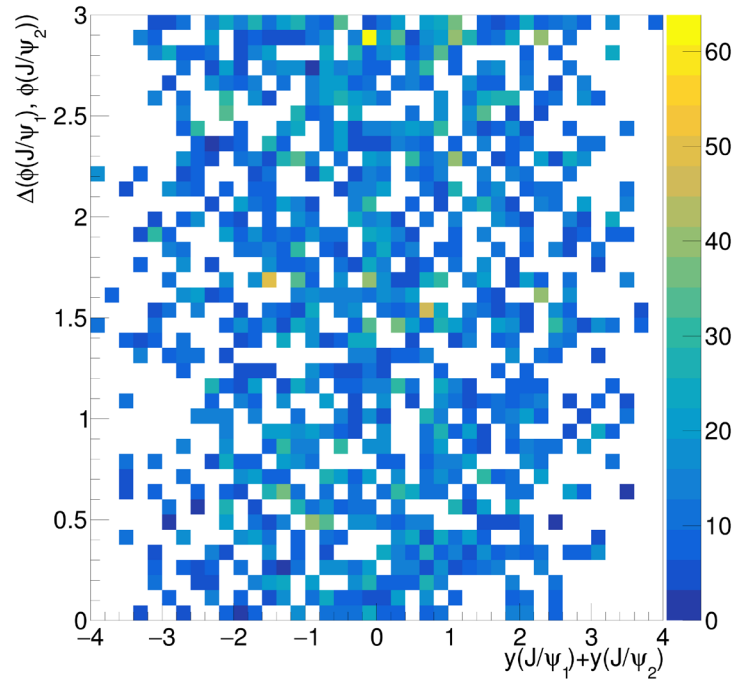
$y(J/\psi)$ distribution

- No p^T request

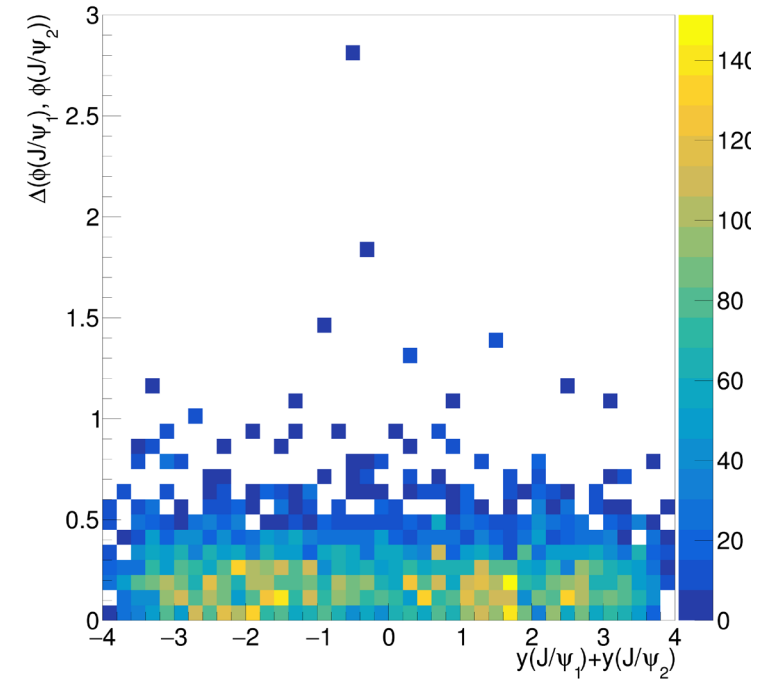
$|\phi(J/\psi_1), \phi(J/\psi_2)|$



Data $y(J/\psi_1) + y(J/\psi_2)$



DPS

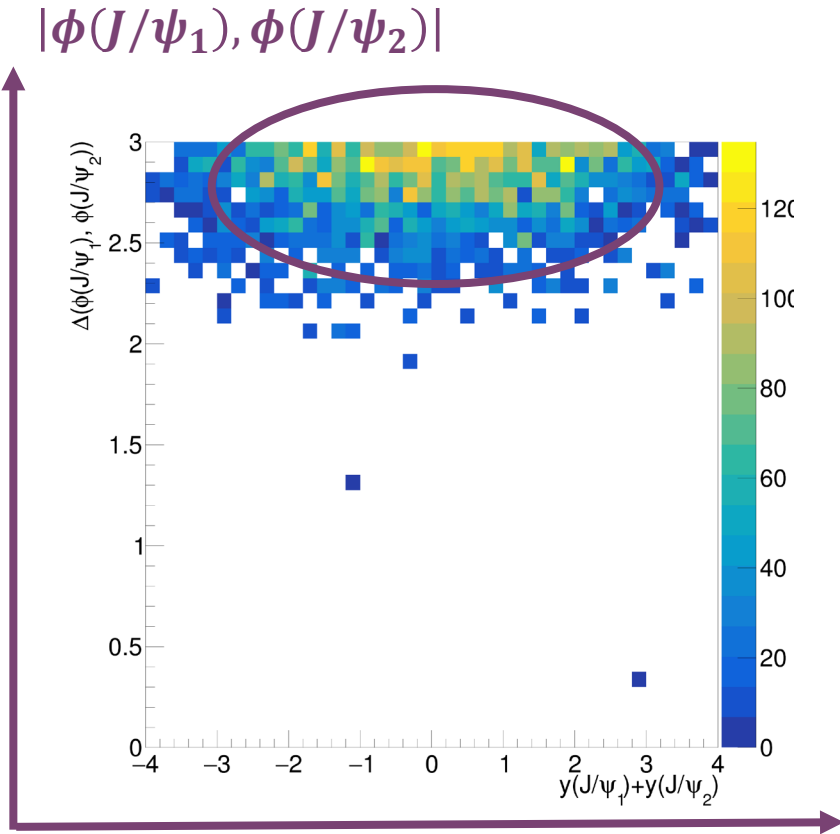


SPS

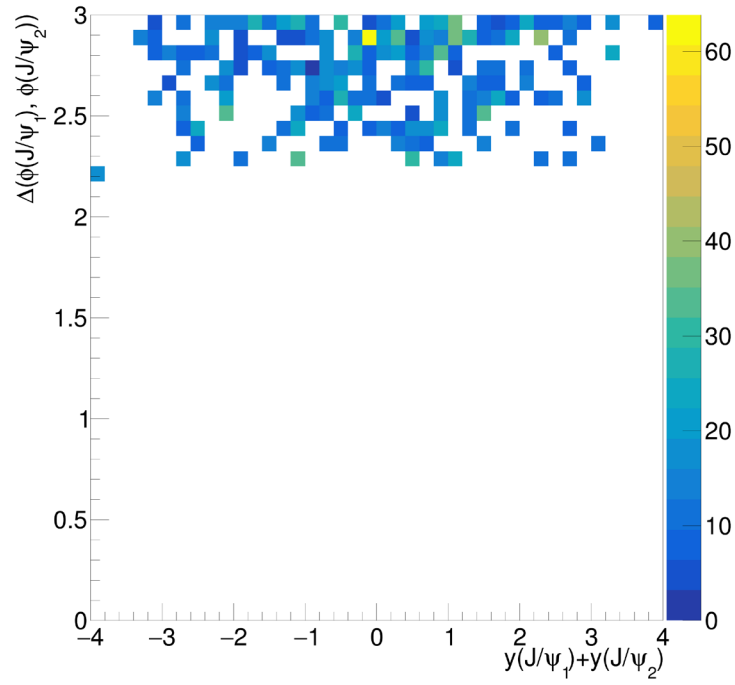


$y(J/\psi)$ distribution

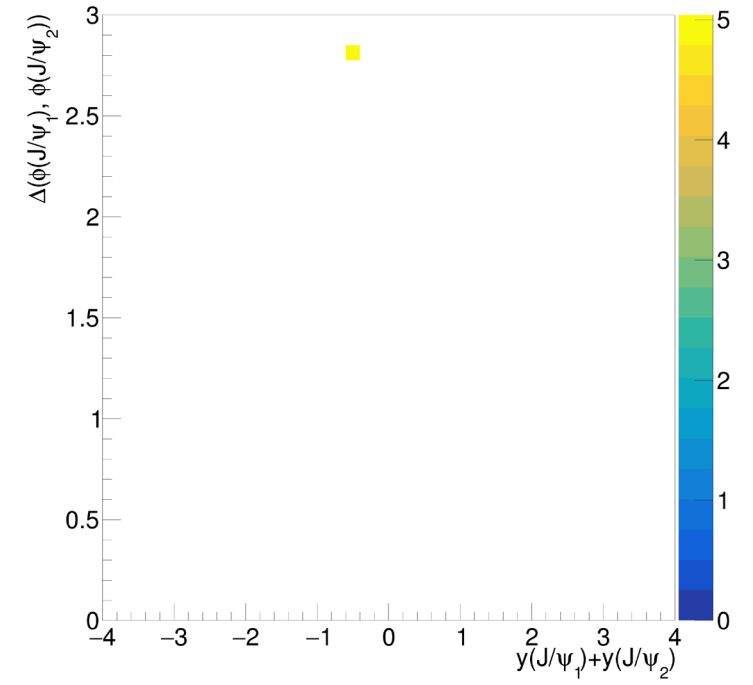
- Low p^T request



Data $y(J/\psi_1) + y(J/\psi_2)$



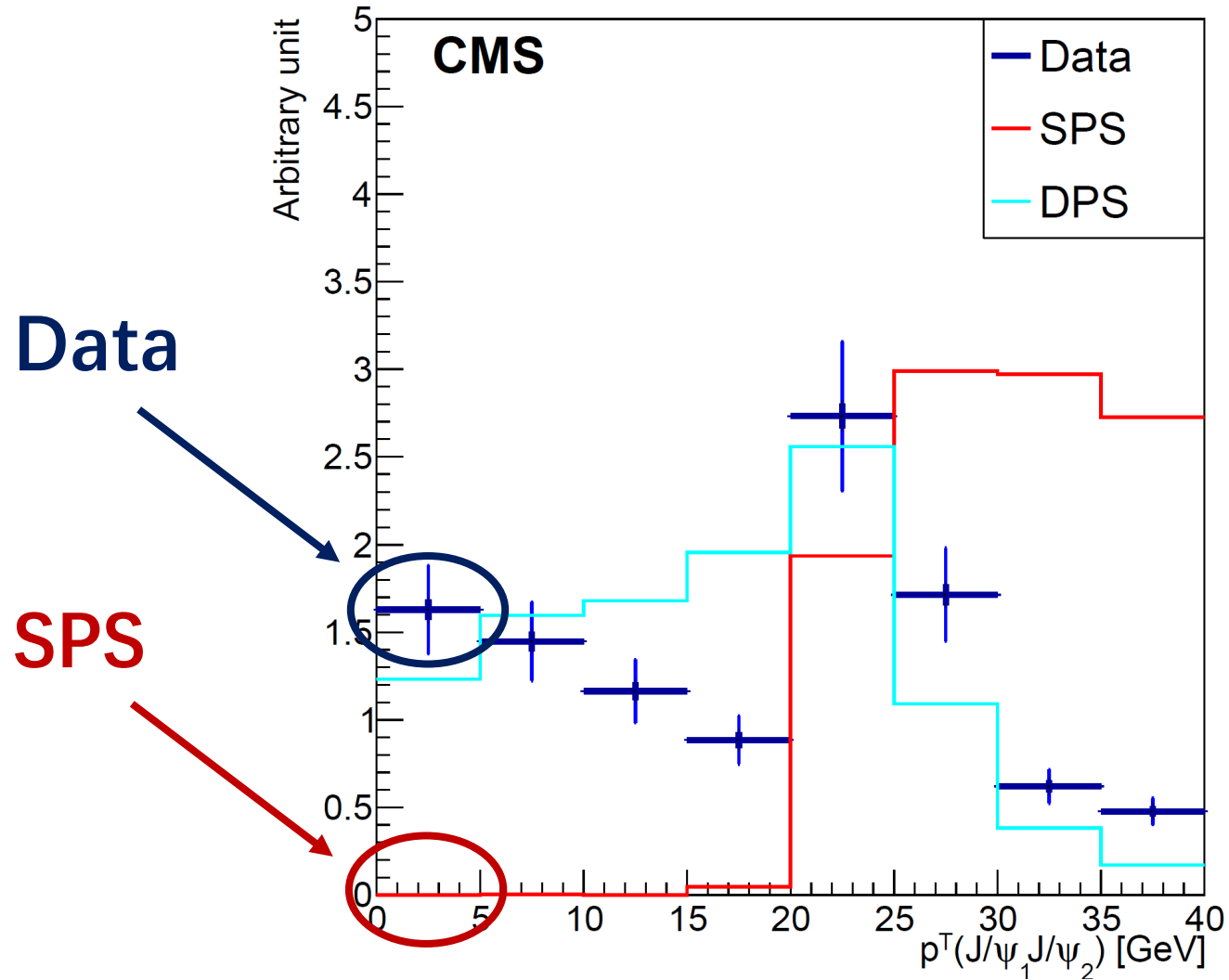
DPS



SPS



$p^T(J/\psi_1 J/\psi_2)$ distribution





Back-to-back contribution

