

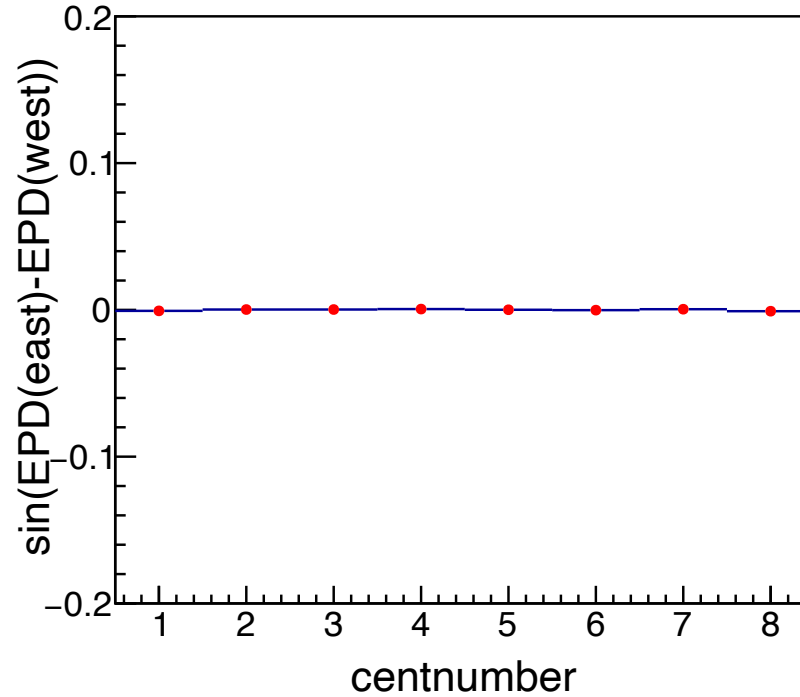
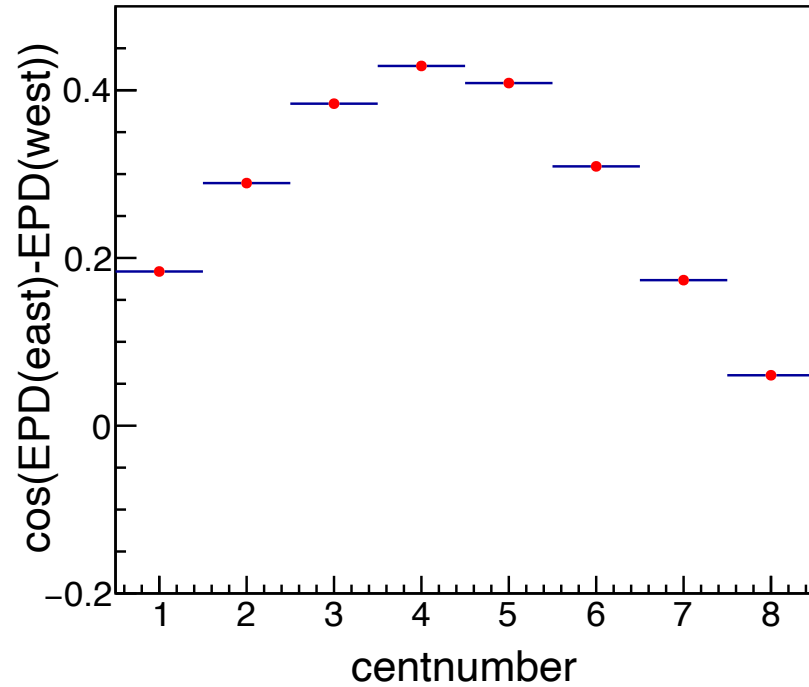


sin and cos term of sub-event correlation values

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EPD(east) – EPD(west)



Cent0	70~80%
Cent1	60~70%
...	...
Cent8	0~5%

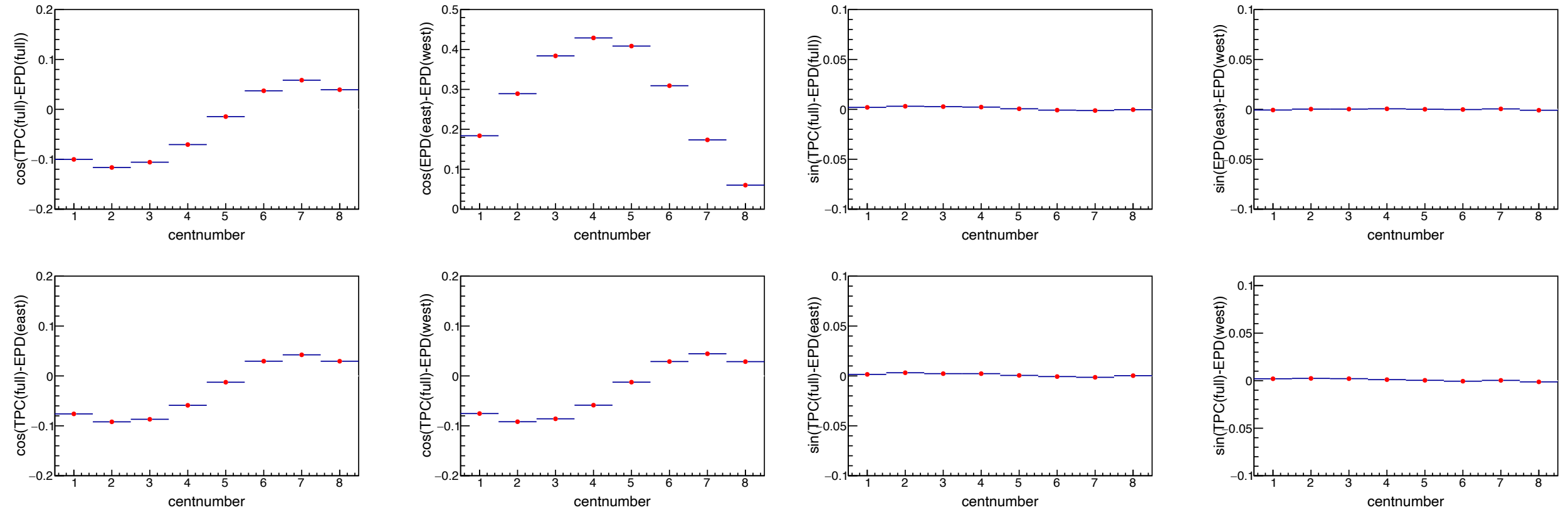
Two sub-event method:

$$\mathcal{R}_k(\chi) = \sqrt{\pi}/2 \chi \exp(-\chi^2/2) (I_{(k-1)/2}(\chi^2/2) + I_{(k+1)/2}(\chi^2/2))$$

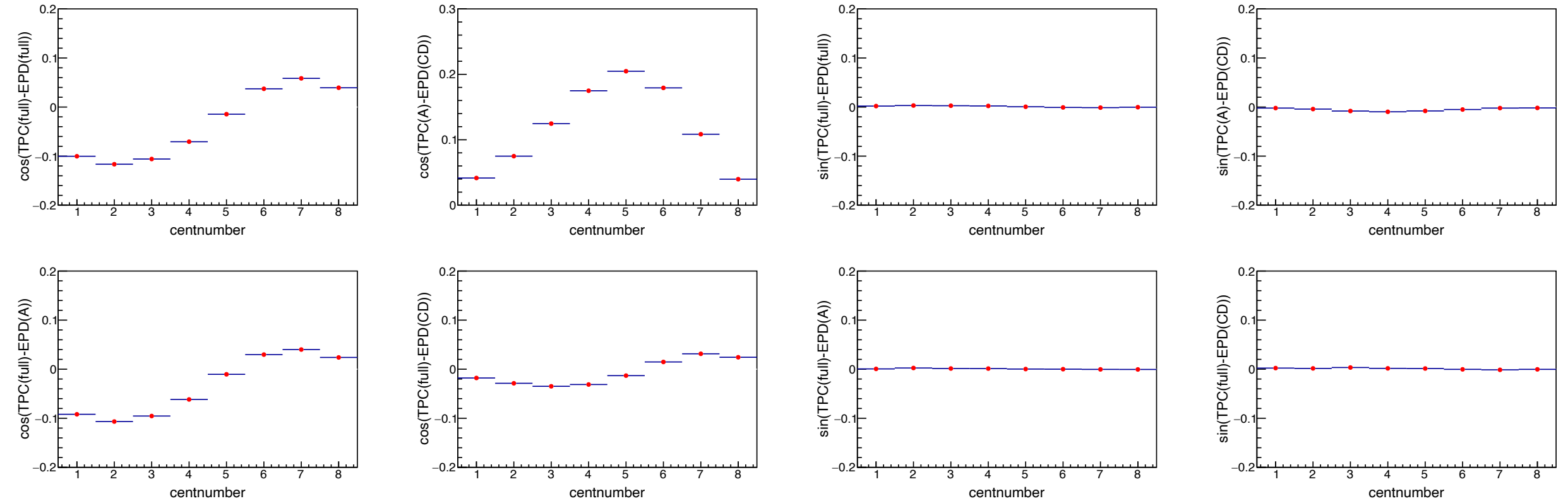
$$\begin{cases} Q_x = \sum_i w_i \cos(\phi_i) \\ Q_y = \sum_i w_i \sin(\phi_i) \end{cases} \quad \psi_1 = \tan^{-1} \frac{\sum_i w_i \sin(\phi_i)}{\sum_i w_i \cos(\phi_i)}$$

$$w_i = w_i(tile) \times w_i(eta)$$

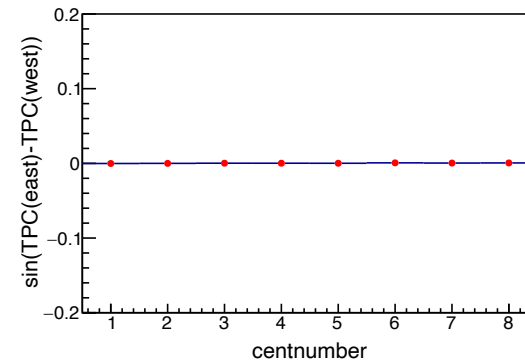
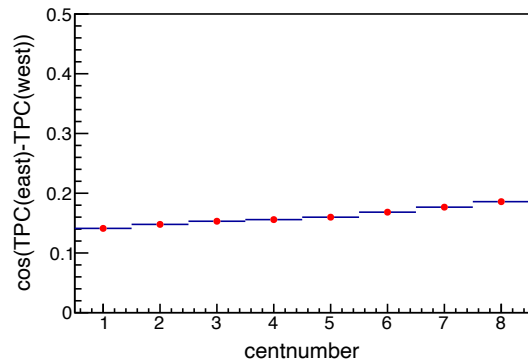
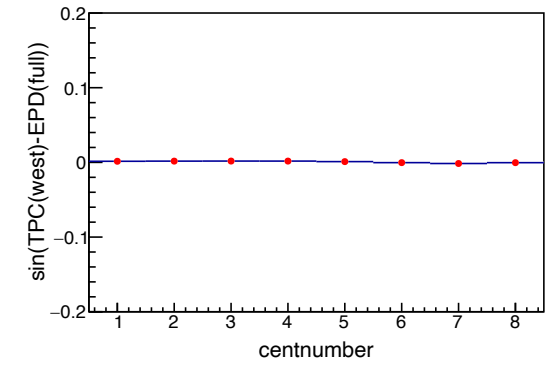
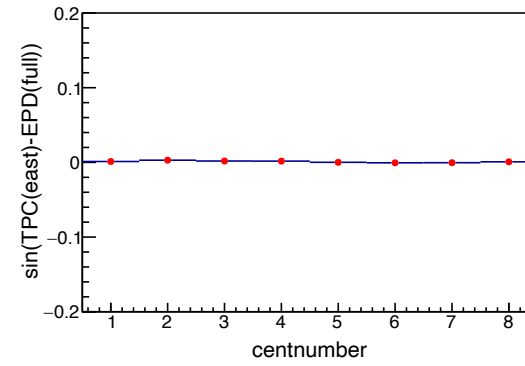
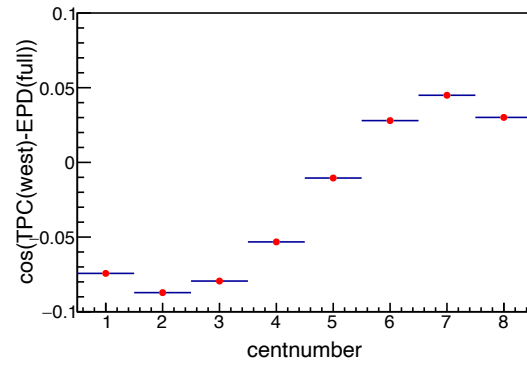
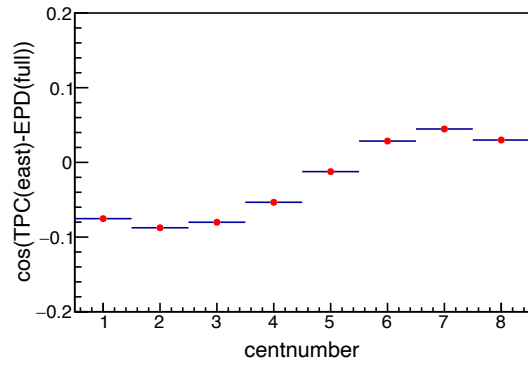
TPC(full) – EPD(full) – EPD(east) – EPD(west)



TPC(full) – EPD(full) – EPD(A) – EPD(CD)



EPD(full) – TPC(east) – TPC(west)



EPD(full) – TPC(a) – TPC(b)

