

$$N_{data} \langle N(O > 0)_{data}$$
  
 $N(O < 0)_{data}$ 

$$N_{bkg} \left\langle \begin{array}{l} N(O>0)_{bkg} \\ N(O<0)_{bkg} \end{array} \right.$$

$$\begin{split} N(O>0)_{eff.} &= N(O>0)_{data} - N(O>0)_{bkg} \\ N(O<0)_{eff.} &= N(O<0)_{data} - N(O<0)_{bkg} \\ A'_{cp} &= \frac{N(O>0)_{eff.} - N(O<0)_{eff.}}{N(O>0)_{eff.} + N(O<0)_{eff.}} \end{split}$$