## **Background Subtraction**

dN	$\begin{pmatrix} 1 \end{pmatrix}$	dN	Fhke	dN
$\frac{d\Delta\phi\_signal}{d\Delta\phi\_signal}$	(1–Fbkg)	$d\Delta \phi_{inclusive}$	- rokg	$d\Delta\phi\_random)$

scaling factor to get yields per corrected i.e. nonrandom trigger

away-side yields inclusive (jet triggers + random triggers) → trigger from one event + associated tracks from same event

fraction of random trigger pairs to all trigger pairs =  $\int_{(0-0.3)}$  black /  $\int_{(0-0.3)}$  red

 away-side yields with untriggered background (jet triggers + random triggers) → trigger from one event + associated tracks from other events

