

	<b>Loose</b>	<b>Medium = Loose OR</b>
<b>HEC spikes</b>	$\text{HECf} > 0.5 \ \&\& \  \text{HECQ}  > 0.5$ or $ \text{neg. E}  > 60\text{GeV}$	$\text{HECf} > 1 -  \text{HECQ} $
<b>EM coherent noise</b>	$\text{EMf} > 0.95 \ \&\& \  \text{LArQ}  > 0.8 \ \&\& \  \eta  < 2.8$	$\text{EMf} > 0.9 \ \&\& \  \text{LArQ}  > 0.8 \ \&\& \  \eta  < 2.8$
<b>Non-collision background &amp; Cosmics</b>	$ \text{t}  > 25\text{ns}$ or $\text{EMf} < 0.05 \ \&\& \ \text{Chf} < 0.05 \ \&\& \  \eta  < 2$ or $\text{EMf} < 0.05 \ \&\& \  \eta  \geq 2$ or $\text{FMax} > 0.99 \ \&\& \  \eta  < 2$	$ \text{t}  > 10\text{ns}$ or $\text{EMf} < 0.05 \ \&\& \ \text{Chf} < 0.1 \ \&\& \  \eta  < 2$ or $\text{EMf} > 0.95 \ \&\& \ \text{Chf} < 0.05 \ \&\& \  \eta  < 2$