

Class	Detector level	Stable-particle level
INEL	$E_{\text{HF}+} > 5 \text{ GeV}$ or $E_{\text{HF}-} > 5 \text{ GeV}$	$\xi > 10^{-6}$
NSD-enhanced	$E_{\text{HF}+} > 5 \text{ GeV}$ and $E_{\text{HF}-} > 5 \text{ GeV}$	at least one stable particle with $E > 5 \text{ GeV}$ in $-5.20 < \eta < -3.15$ and $3.15 < \eta < 5.20$
SD-enhanced	$E_{\text{HF}+} > 5 \text{ GeV}$ and $E_{\text{HF}-} < 5 \text{ GeV}$ or $E_{\text{HF}+} < 5 \text{ GeV}$ and $E_{\text{HF}-} > 5 \text{ GeV}$	at least one stable particle with $E > 5 \text{ GeV}$ in $3.15 < \eta < 5.20$ on one side, vetoing particles with $E > 5 \text{ GeV}$ on the other side
Limiting fragmentation study	$E_{\text{HF}+} > 4 \text{ GeV}$ and $E_{\text{HF}-} > 4 \text{ GeV}$	one stable particle in $-4.4 < \eta < -3.9$ and $3.9 < \eta < 4.4$