

Observable	Definition
	<i>Calo scouting stream</i>
$(m^{\text{jet}}, p_{\text{T}}^{\text{jet}}, \eta^{\text{jet}}, \phi^{\text{jet}})$	Calo jet four-momentum
A^{jet}	Jet area
$E_{\text{max}}^{\text{EM}}$	Maximum energy in electromagnetic towers
$E_{\text{max}}^{\text{had.}}$	Maximum energy in hadronic towers
$E_{\text{HB, HF, HE}}^{\text{EM}}$	Electromagnetic energy in the HB, HE, and HF
$E_{\text{HB, HF, HE}}^{\text{had.}}$	Hadronic energy in the HB, HE, and HF
A^{towers}	Area of the EM and hadronic towers
$p_{\text{T}}^{\text{miss}}, \phi^{\text{miss}}, \rho$	Missing transverse momentum, angle, energy density
$(E^{\mu}, p_{\text{T}}^{\mu}, \eta^{\mu}, \phi^{\mu})$	Muon four-momentum
$d_0 \pm \sigma_{d_0}, d_z \pm \sigma_{d_z}$	Muon impact parameters and uncertainties
$I_{\text{E}}, I_{\text{H}}, I_{\text{T}}$	ECAL, HCAL, and tracker isolation
$N_{\text{P}}, N_{\text{S}}, N_{\text{M}}$	Number of pixel, strip, and muon detector hits
$N_{\text{L}}^{\text{S}}, N_{\text{L}}^{\text{T}}$	Number of muon stations and tracker layers with hits
$(p_{\text{T}}^{\text{track}}, \eta^{\text{track}}, \phi^{\text{track}})$	Track three-momentum
χ^2, dof	Track χ^2 and number of degrees of freedom
$(q/p \pm \sigma_{q/p}, \lambda \pm \sigma_{\lambda}, \phi \pm \sigma_{\phi}, d_{\text{sz}} \pm \sigma_{d_{\text{sz}}})$	Fitted track parameters and uncertainties
i_{vertex}	Reference to the corresponding dimuon vertex
$(x \pm \sigma_x, y \pm \sigma_y, z \pm \sigma_z)$	List of 3D positions and uncertainties of dimuon vertices
	<i>PF scouting stream</i>
$(m^{\text{jet}}, p_{\text{T}}^{\text{jet}}, \eta^{\text{jet}}, \phi^{\text{jet}})$	PF jet four-momentum
A^{jet}	Jet area
E_i, N_i	Energy fractions and multiplicity for i^{th} particle type in jet
$p_{\text{T}}^{\text{miss}}, \phi^{\text{miss}}, \rho$	Missing transverse momentum, angle, energy density
$(m, p_{\text{T}}, \eta, \phi), \text{id}, i_{\text{vertex}}$	PF candidate four-momentum, type, vertex index
$(x \pm \sigma_x, y \pm \sigma_y, z \pm \sigma_z)$	List of 3D positions and uncertainties of primary vertices