

EventSample
particles : list
AddParticle(particle: Particle) DebugPrint(): str GetETMissing(): float GetJetCount(): int GetLeptonCount(): int GetPTLepton(): float GetPTLeptonAzimuth(): float GetPTLeptonAzimuthPM(bPM: bool): float GetPTLeptonPM(bPM: bool): float GetPTMissing2d(): list GetPTMissingAzimuth(): float GetParticleCount(): int GetPhotonCount(): int RecalculateMissing(vSum: LorentzVector)

EventSet
events : list
AddEvent(event: EventSample) AddEventSet(eventSet) DebugPrint(i: int) GetCopy() GetEventCount(): int RecalculateMissing(vSum: LorentzVector) RemoveWrongEventJetCount(lst) RemoveWrongEventLeptonCount(lst)

LorentzVector
values : list
Azimuth(): float Et(): float MakeRest() MakeWithRapidity(pseudoRapidity: float, azimuthal: float, pt: float, mass: float) Mass(): float MassSq(): float Momentum(): float P3d() PseudoRapidity(): float Pt(): float R(): float Scale(scale: float) Theta() ToPt() V3d() Y(): float

Matrix4x4
values : NoneType, list
MakeBoost(v3velocity) MakeOne() MakeRotation(degree: float, x: float, y: float, z: float) MakeRotationFromTo(v3from, v3to) MakeRotationFromToV4(v4from: LorentzVector, v4to: LorentzVector) MakeZero() MultiplyMatrix(otherMatrix) MultiplyVector(vector: LorentzVector): LorentzVector

Particle
PGDId : int bTag : int, float decayLength : float hadEm : int, float hecility : float index : int mass : float momentum nTrack : int, float particleType status
DebugPrint(sep: str): str SetLHCOOtherInfo(nTrack: float, bTag: float, hadEm: float)

ParticleStatus
name

ParticleType
name

ParticleTable
EWcharge PGDId mass spin width

ProcessTopology
processTable

status

particleType