

Event
<ul style="list-style-type: none"> <li>- m_eventNumber: int</li> <li>- m_eTrue: float</li> <li>- m_eReco: float</li> <li>- m_eRecoBiais: float</li> <li>- m_xReco: float</li> <li>- m_yReco: float</li> <li>- m_xTrue: float</li> <li>- m_yTrue: float</li> </ul>
<ul style="list-style-type: none"> <li>+ Event()</li> <li>+ ~Event()</li> <li>+ build(in eventNumber: int): void</li> <li>+ setEventNumber(in eventNumber: int): void</li> <li>+ seteTrue(in eTrue: float): void</li> <li>+ seteReco(in eReco: float): void</li> <li>+ seteRecoBiais(in eRecoBiais: float): void</li> <li>+ setxReco (in xReco: float): void</li> <li>+ setyReco (in yReco: float): void</li> <li>+ setxTrue (in xTrue: float): void</li> <li>+ setyTrue (in yTrue: float): void</li> <li>+ eventNumber(): int</li> <li>+ eTrue(): float</li> <li>+ eReco(): float</li> <li>+ eRecoBiais(): float</li> <li>+ xReco(): float</li> <li>+ yReco(): float</li> <li>+ xTrue(): float</li> <li>+ yTrue(): float</li> </ul>

CaloGeometry
<ul style="list-style-type: none"> <li>+ IsInside(in xyz[3]: double, in cellAddress: CellAddress): bool</li> <li>+ xCentre( in cellAddress: CellAddress): double</li> <li>+ yCentre( in cellAddress: CellAddress): double</li> </ul>

CaloSimulation
<ul style="list-style-type: none"> <li>- m_caldata: vector&lt;CaloCell&gt;</li> <li>+ CaloSimulation()</li> <li>+ ~CaloSimulation()</li> <li>+ CalorimeterData(): void</li> <li>+ ClearCalorimeter(): void</li> <li>+ caldata() : vector&lt;CaloCell&gt;</li> <li>+ caldataIndex( in ix: int, iy: int, iz: int): int</li> <li>+ SimulateShower( in x: float, in y: float, in energy: float): void</li> <li>+ SimulateHadShower( in x: float, in y: float, in energy: float, in f: float): void</li> <li>+ operator&lt;&lt;(in os: ostream, in y: CaloCell): ostream</li> </ul>

CaloCell
<ul style="list-style-type: none"> <li>- m_energy: float</li> <li>- m_adress: CellAddress</li> <li>+ CaloCell()</li> <li>+ CaloCell( in ca: CellAddress, energy: float)</li> <li>+ energy(): float</li> <li>+ address(): CellAddress</li> <li>+ setEnergy(in energy: float): void</li> <li>+ operator&lt;&lt;(in os: ostream, in y: CaloCell): ostream</li> </ul>

CellAddress
<ul style="list-style-type: none"> <li>- m_ix: int</li> <li>- m_iy: int</li> <li>- m_layer: int</li> <li>+ CellAddress()</li> <li>+ CellAddress(in ix: int, in iy: int, in layer: int)</li> <li>+ ix(): int</li> <li>+ iy(): int</li> <li>+ layer(): int</li> <li>+ IsValid() : bool</li> <li>+ operator&lt;(in x:CellAddress): bool</li> <li>+ operator&gt;(in x:CellAddress): bool</li> <li>+ operator&lt;&lt;(in os:ostream, in y:CellAddress): ostream</li> </ul>