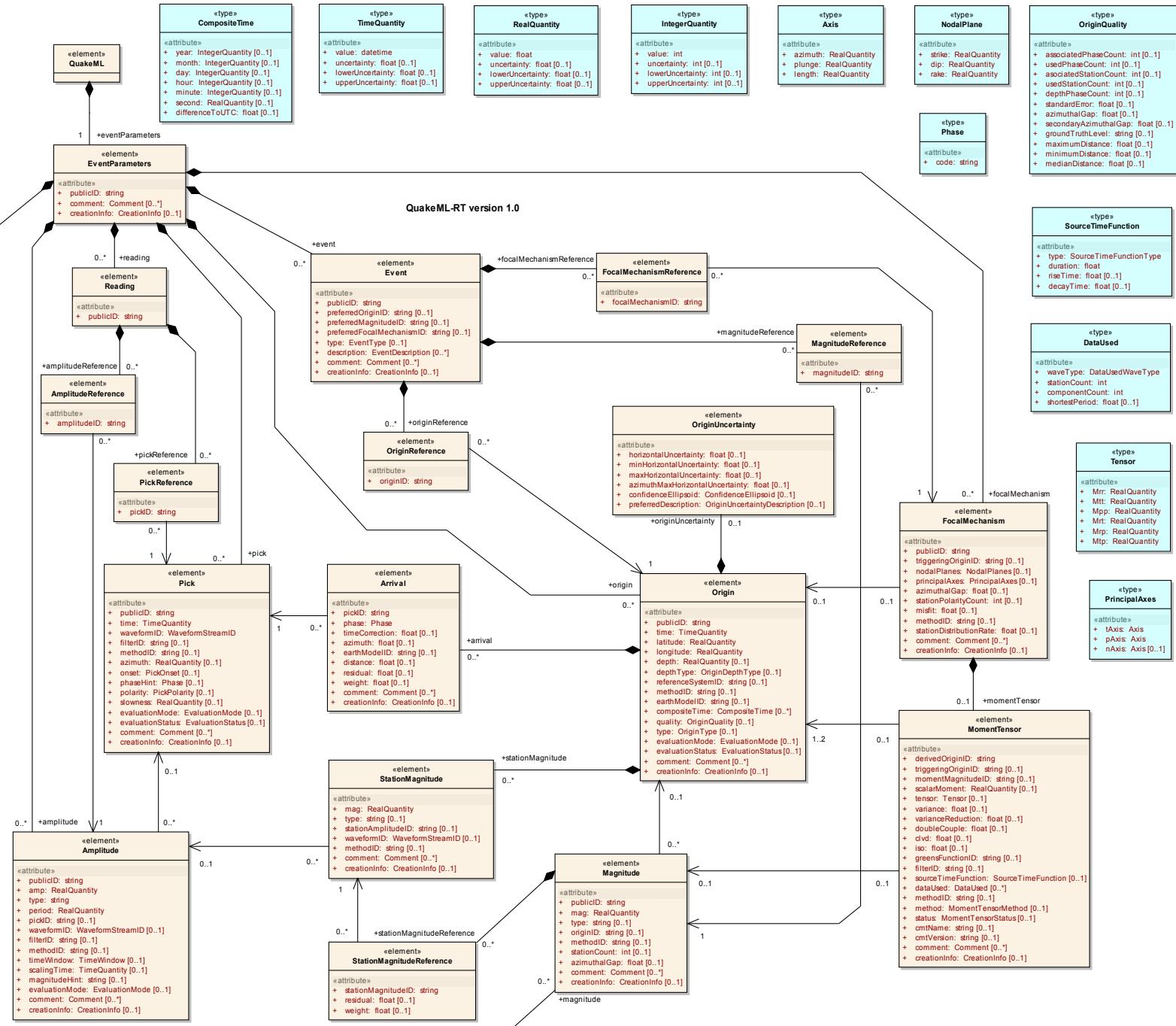


class QuakeML



```
«enumeration» DataUsedWaveType
«enum»
  BODY_WAVES = body waves
  P_BODY_WAVES = P body waves
  LONG_PERIOD_WAVES = long-period body...
  SURFACE_WAVES = surface waves
  INTERMEDIATE_PERIOD_SURFACE_WAVES = intermediate-pe...
  LONG_PERIOD_MANTLE_WAVES = long-period man...
  UNKNOWN = unknown
```

```
«enumeration» OriginDepthType
«enum»
  FROM_LOCATION = from location
  FROM_MOMENT_TENSOR_INVERSION = from moment ten...
  BROAD_BAND_P_WAVEFORMS = from modeling o...
  CONSTRAINED_BY_DEPTH_PHASES = constrained by ...
  CONSTRAINED_BY_DIRECT_PHASES = constrained by ...
  OPERATOR_ASSIGNED = operator assigned
  OTHER_ORIGIN_DEPTH = other
```

```
«enumeration» OriginUncertaintyDescription
«enum»
  HORIZONTAL = horizontal unce...
  ELLIPSE = elliptical ellipse
  ELLIPSOID = confidence ellipsoid
  PDF = probability den...
```

```
«enumeration» EventType
«enum»
  EARTHQUAKE = earthquake
  EXPLOSION = explosion
  QUARRY_BLAST = quarry blast
  CHEMICAL_EXPLOSION = chemical explosion
  NUCLEAR_EXPLOSION = nuclear explosion
  LANDSLIDE = landslide
  DEBRIS_AVALANCHE = debris avalanche
  ROCKSLIDE = rockslide
  MINE_COLLAPSE = mine collapse
  VOLCANIC_ERUPTION = volcanic eruption
  METEOR_IMPACT = meteor impact
  PLANE_CRASH = plane crash
  BUILDING_COLLAPSE = building collapse
  SONIC_BOOM = sonic boom
  NOT_EXISTING = not existing
  NULL = null
  OTHER_EVENT = other
```

```
«enumeration» SourceTimeFunctionType
«enum»
  BOX_CAR = box car
  TRIANGLE = triangle
  TRAPEZOID = trapezoid
  UNKNOWN = unknown
```

```
«enumeration» EventDescriptionType
«enum»
  FELT_REPORT = felt report
  FLINN_ENGDAHL_REGION = Flinn-Engdahl region
  LOCAL_TIME = local time
  TECTONIC_SUMMARY = tectonic summary
  NEAREST_CITIES = nearest cities
  EARTHQUAKE_NAME = earthquake name
  REGION_NAME = region name
```

```
«enumeration» OriginType
«enum»
  HYPOCENTER = hypocenter
  CENTROID = centroid
  AMPLITUDE = amplitude
  MACROSEISMIC = macroseismic
  RUPTURE_START = rupture start
  RUPTURE_END = rupture end
```

```
«enumeration» MomentTensorMethod
«enum»
  CMT_0 = CMT - general m...
  CMT_1 = CMT - moment te...
  CMT_2 = CMT - double-co...
  TELESEISMIC = teleseismic
  REGIONAL = regional
```

```
«enumeration» PickPolarity
«enum»
  UP = up
  DOWN = down
  UNDECIDABLE = undecidable
```

```
«enumeration» EvaluationStatus
«enum»
  PRELIMINARY = preliminary
  CONFIRMED = confirmed
  REJECTED = rejected
```

```
«enumeration» CreationInfo
«enum»
  agencyID: string [0..1]
  agencyURI: string [0..1]
  author: string [0..1]
  authorURI: string [0..1]
  creationTime: datetime [0..1]
  version: string [0..1]
```

```
«enumeration» Comment
«enum»
  text: string
  id: string [0..1]
  creationInfo: CreationInfo [0..1]
```

```
«enumeration» EvaluationMode
«enum»
  MANUAL = manual
  AUTOMATIC = automatic
```

```
«enumeration» ConfidenceEllipsoid
«enum»
  azimuth1: float [0..1]
  dip1: float [0..1]
  azimuth2: float [0..1]
  dip2: float [0..1]
  standardError1: float [0..1]
  standardError2: float [0..1]
  standardError3: float [0..1]
```

```
«enumeration» NodalPlanes
«enum»
  nodalPlane1: NodalPlane [0..1]
  nodalPlane2: NodalPlane [0..1]
  preferredPlane: int [0..1]
```