

Angles in degrees. Matrix will be formed from each

Rx => rotation ZY

Ry => rotation ZX

Rz => rotation XY

```
<layer>
  <ladder ID="0"
    positionX="0.00" positionY="0.00" positionZ="0.00"
    rotationZY="0.00" rotationZX="0.0" rotationXY="0.0"
  />
  <sensitive ID="0"
    sizeX="21.2" sizeY="10.6" thickness="0.05"
    npixelX="1152" npixelY="576"
    rotation1="1.0" rotation2="0.0"
    rotation3="0.0" rotation4="1.0"
    radLength="93.660734"
  />
</layer>
```

Ri

resolution="0.0045"

This is used as input for all fitters
apart from GBL

Final rotation matrix from local to global is as such:

$$R_f = R_y * R_x * R_z * R_i$$