

PID geometry status

TOF

- Running with:
/geometry/test/recursion_depth 10
- Results are ok:

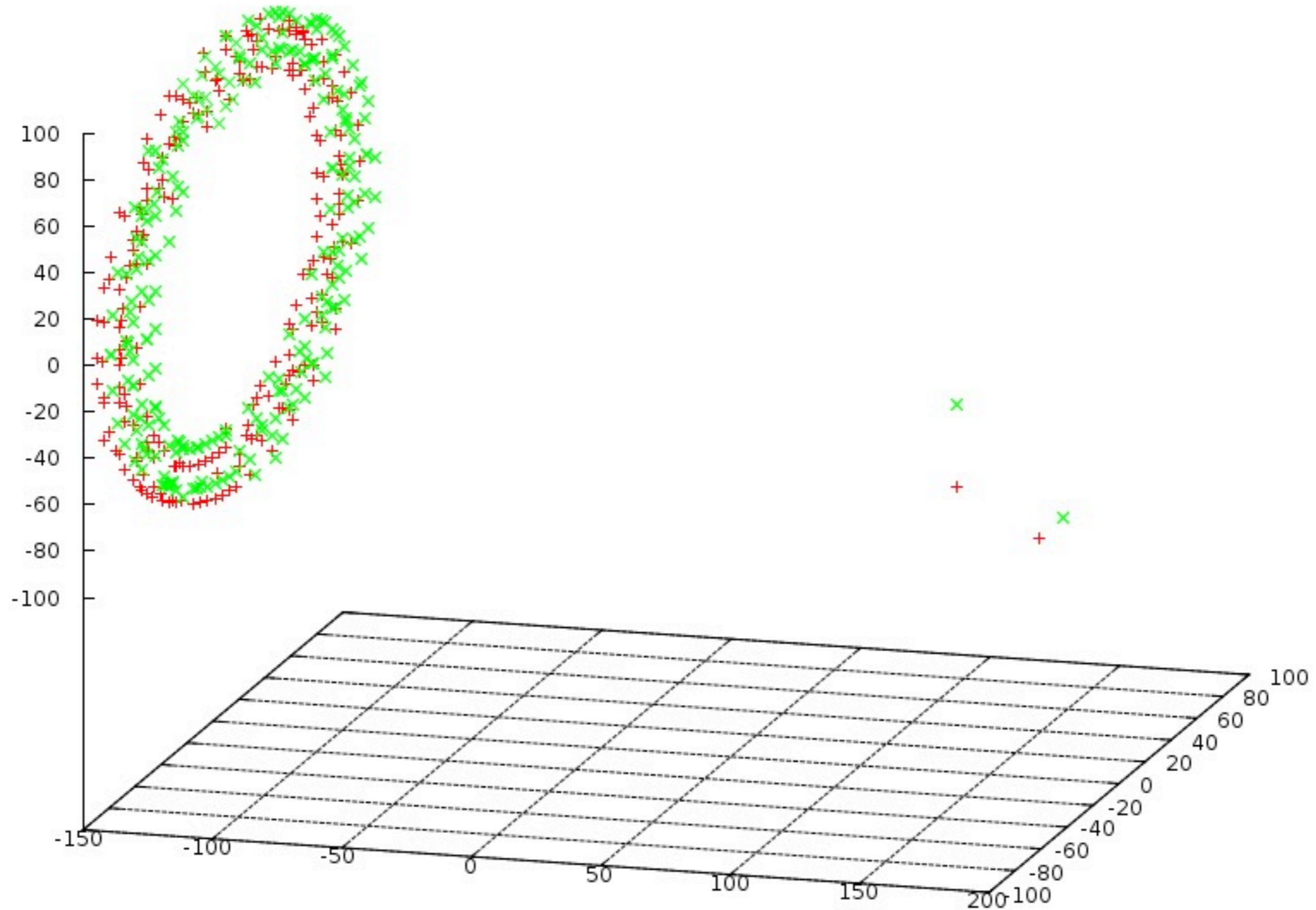
```
building MCAction
### Adding tracking cuts for neutron TimeCut(ns)= 1.00000e+04 KinEnergyCut(MeV)= 0.00000e+00
GeomTest: no daughter volume extending outside mother detected.
GeomTest: no overlapping daughters detected.
GeomTest: no daughter volume extending outside mother detected.
GeomTest: no overlapping daughters detected.
killing all digitizers...
```

DIRC from BaBar

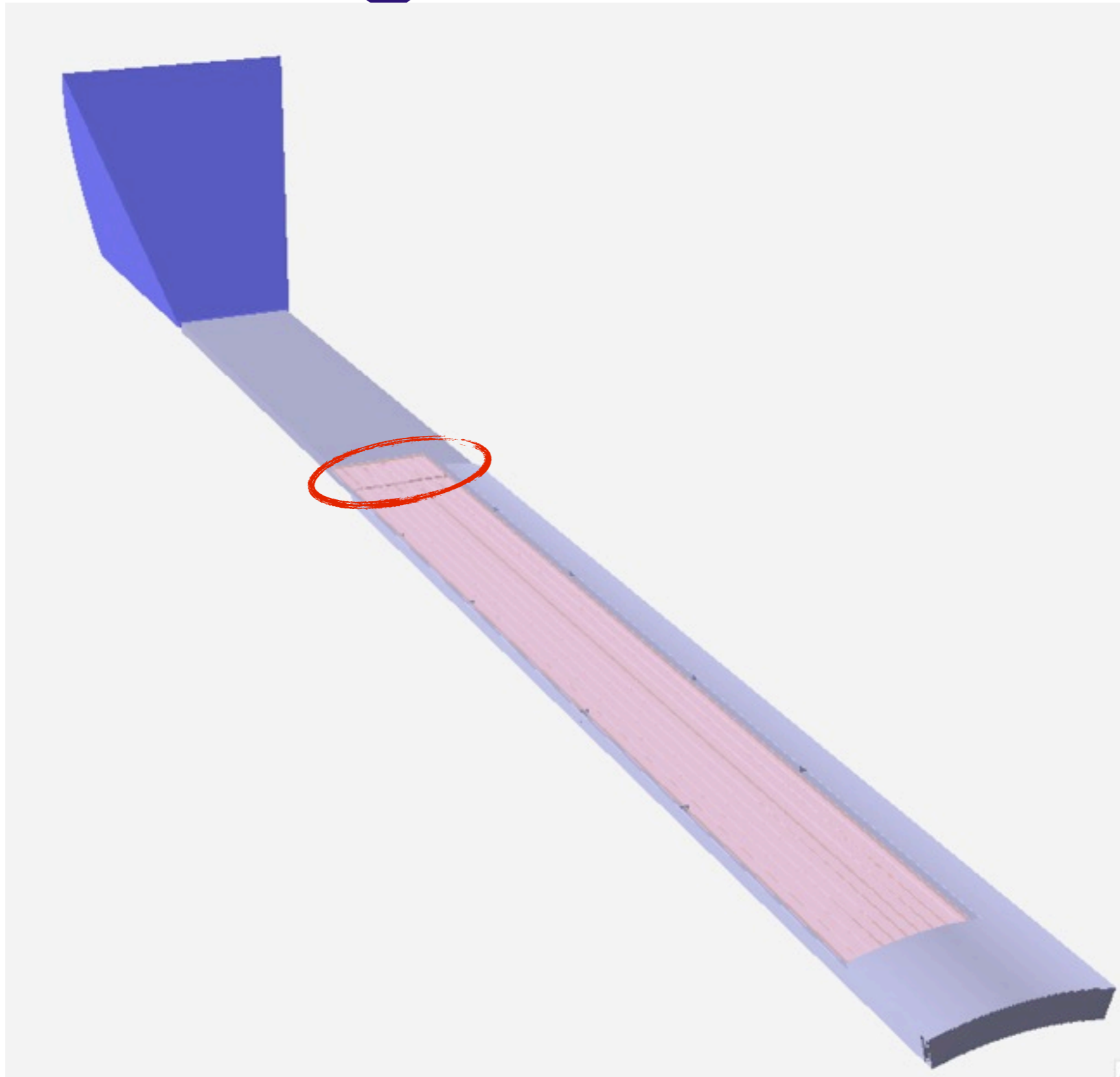
- Running with:
/geometry/test/recursion_depth 1
- Results are not ok: 24 overshootings...

```
GeomTest Error: SolidProblem
DistanceToOut(p,v) = kInfinity for point inside
Solid name = DrcSec
Local position =      4.54937      69.0503      -481.39 cm
GeomTest Error: Overshooting daughter volume
The volume DrcSec[0] appears to extend outside the mother volume Default[0]
at the following points in global coordinates: (list truncated)
length (cm)  ----- start position (cm) ----- end position (cm) -----
17.0032      23.2794      70.98      -144.846      40.2826      70.98      -144.846
28.5967      -2.84217e-15      76.44      -138.247      28.5967      76.44      -138.247
19.6623      18.9185      87.36      -144.846      38.5808      87.36      -144.846
6.115         0            89.385     -144.846      0            95.5       -144.846
6.98263      10.92        73.8975    -144.846      10.92        80.8801    -144.846
6.21343      16.38        87.8714    -144.846      16.38        94.0848    -144.846
7.37992      27.3         69.5327    -144.846      27.3         76.9126    -144.846
6.53999      32.76        83.1653    -144.846      32.76        89.7053    -144.846
6.93982      43.68        77.9855    -144.846      43.68        84.9253    -144.846
6.93097      5.46         74.5002    -138.247      5.46         81.4312    -138.247
6.15816      10.92        88.7155    -138.247      10.92        94.8736    -138.247
7.2015       21.84        71.436     -138.247      21.84        78.6375    -138.247
6.40083      27.3         85.114     -138.247      27.3         91.5148    -138.247
5.91257      38.22        66.199     -138.247      38.22        72.1116    -138.247
14.1         0            76.44      -148          -2.84217e-15      76.44      -133.9
14.1         5.46         92.82      -148          5.46         92.82      -133.9
14.1         16.38        76.44      -148          16.38        76.44      -133.9
14.1         21.84        87.36      -148          21.84        87.36      -133.9
14.1         27.3         76.44      -148          27.3         76.44      -133.9
14.1         32.76        87.36      -148          32.76        87.36      -133.9
Which in the mother coordinate system are:
```

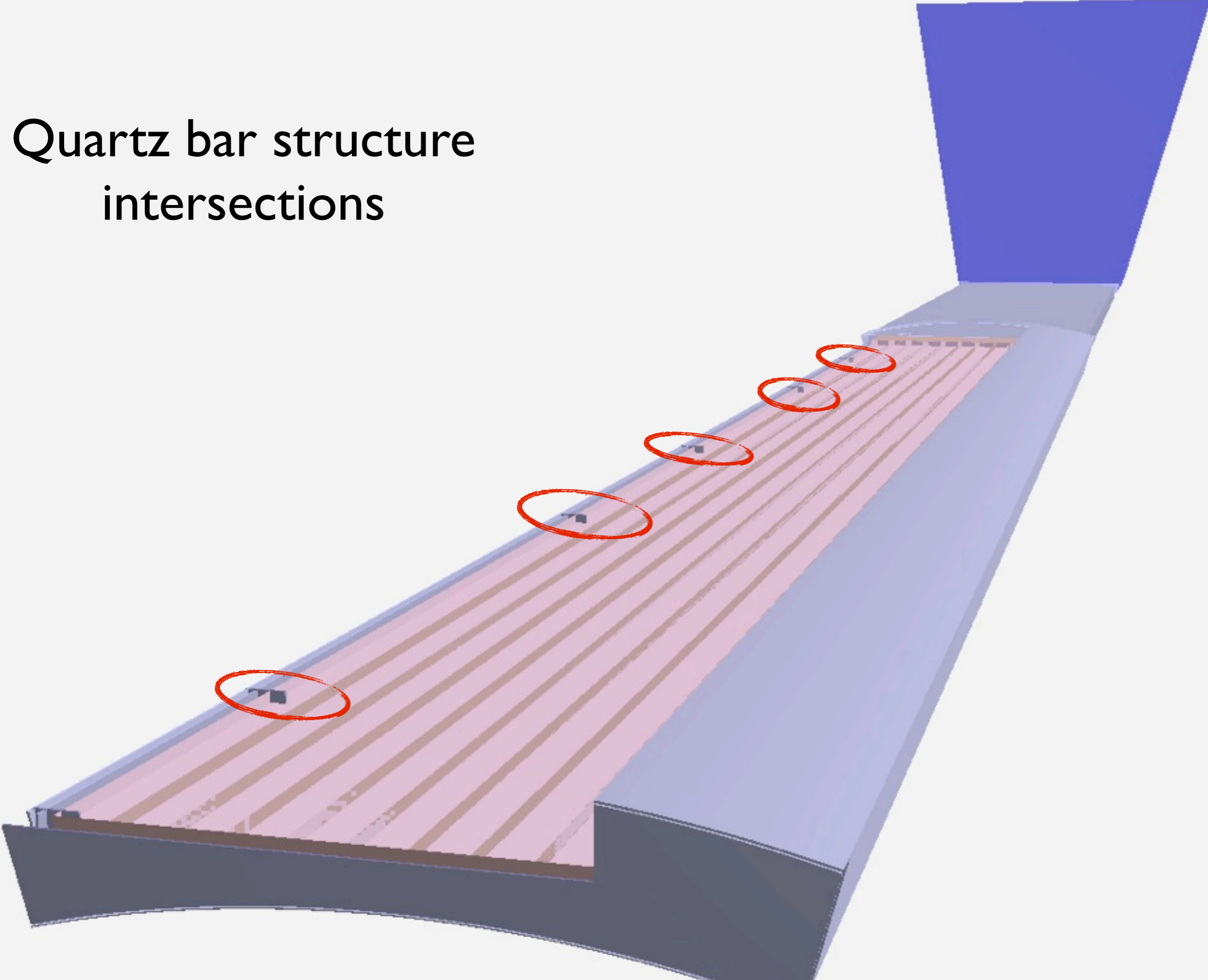
DIRC (BaBar) overshootings



Overshootings



Quartz bar structure intersections



Doug GDML model

- Doug reports a major problem writing the GDML file (code crash...).
- We will solve the problem after Xmass