Subject: [WARN] Removing candidates while looping over TCandList
Posted by Klaus Götzen   on Fri, 30 Nov 2012 10:31:04 GMT

Hi,

I just wanted to point you to a (possible) problem when looping over TCandList and removing candidates of this list within the loop.

It seems at some places in macro/run/..., a routine similar to the following one is used:

```
int n_removed=0, i=0;

for (l=0; l<list.GetLength(); ++l)
{
  i = l-n_removed;
  if( ... Some criterion ...)
  {
    list.Remove( list[i] );
    n_removed++;
  }
}
```

This actually does not work properly, since it doesn't take into account, that the quantity 'list.GetLength()' is changed by the removal process.

It can be fixed by replacing

```
  for (l=0; l<list.GetLength(); ++l)
```

by

```
  int nl = list.GetLength();
  for (l=0; l<nl; ++l)
```

At least for me, this worked correctly afterwards. The safest thing of course is to do something like

```
TCandList newlist;

for (l=0; l<list.GetLength(); ++l)
{
  if( ... the OPPOSITE criterion ...) )
    newlist.Put( list[i] );
}

list=newlist;
```

In case you used the first kind of construction in one of your analysis studies, you should check

your results.

Best regards,
Klaus