Root and ZBS Output

K. Scholberg
March 31, 2004

2km-geant4 code outputs:

1. Ntuple with raw and digitized info
2. Text file with geometry info
3. Root file with both:

   a. event tree with same info as ntuple

   b. geometry tree (single "event") with same info as geo text file

For Root output: (coded inside #ifdefs)

see 2km-geant4/README.ROOT;
example scripts in 2km-geant4/root

Eventual goal: develop standalone C++/Root based reconstruction code
(Dave Casper has started converting his C# polfit version)

But for short term, and also for
eventual validation/comparison of new code,
we need to run standard SK/KT reconstruction

Solution: root2zbs converter which creates needed ZBS banks

root2zbs: found in "validation" module

Creates ZBS file with banks:

HEADER
TQ
MCVERTEX
MCVECT
CONVVECT
MCPARMCONV

"Bare bones"... more can easily be added,
if needed