Views On CINT

Difficult to maintain due to complexity

Core part of ROOT with amazing capabilities – and people tend to ignore both facts

In the middle of a major transformation:

- Dictionary: on demand, no call wrappers, persistency
- Interpreter: Script pre-compilation and persistency, OO "byte"code for better maintenance
- CINT Objects, thread safety

Views On ROOT

Few generic developments needed in "my" area:

- Live help system: THtml doc to the prompt
- THtml from Reflex DB, globals, friends, etc.

Generic:

- We should go beyond "users = HEP". But how? Blocker is probably usability.
- Development too much driven by requests
- Growth is the worst improvement possible – find mechanism to integrate (external) packages without blowing up ROOT source

GOOI – Graphical rOOt Interface

We need a non-expert, intuitive, standard UI

- prompt interface optional
- C++ optional
- optional knowledge of classes, collections,…

Use reflection to visualize data format (c.f. TBrowser)

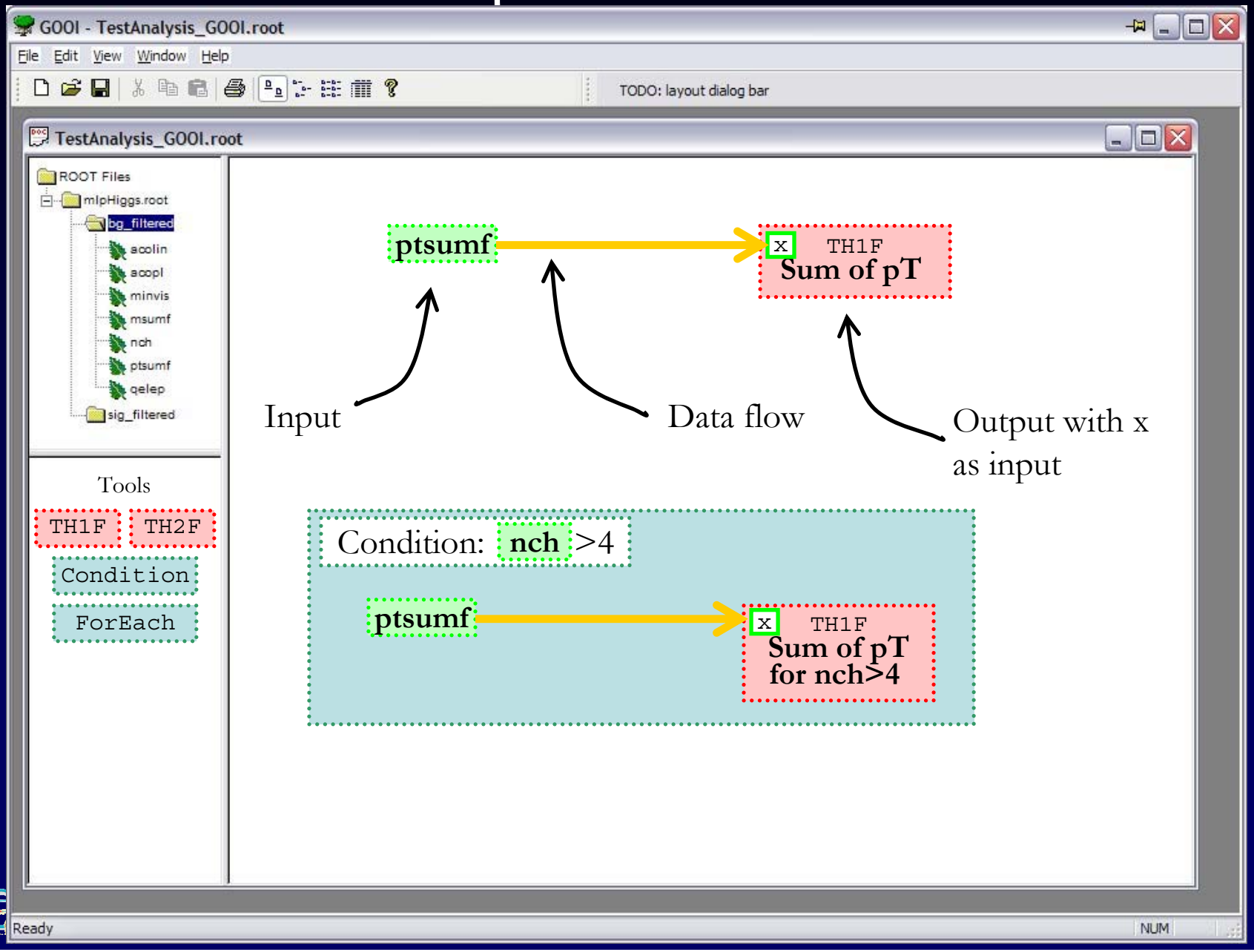
Use graphical interface to design analysis, convert to C++, e.g. with Zdenek Culik's C++ generator

Parts re-usable (selections, algos, control histos)

Auto-iteration ("foreach electron")

Select input data, save, load, run, view results

GOOI – Graphical rOOt Interface



GOOI - Objects