

For the collaboration on Mokka development (I):

- * CVS repository on pollin1.in2p3.fr
- * DB on pollin1.in2p3.fr
- * Mokka code reorganized in sub-directories

For the collaboration on Mokka development

(II):

- * simplified of the detector-driver developpement procedure
- * updated the Mokka-MySQL interface- compatibility with MySQL version 3.22 or later. Backwards compatibility ensured.
- * documentation included in the standard distribution of Mokka

News from the collaboration on Mokka development

- * Aims:

- improving the framework
- improving the models of different detector pieces

- * first LCD implementation in Mokka
(Ties Behnke)

Mokka - future developments

- * detailed prototype simulation
- * improving detector simulation
- * improving the framework

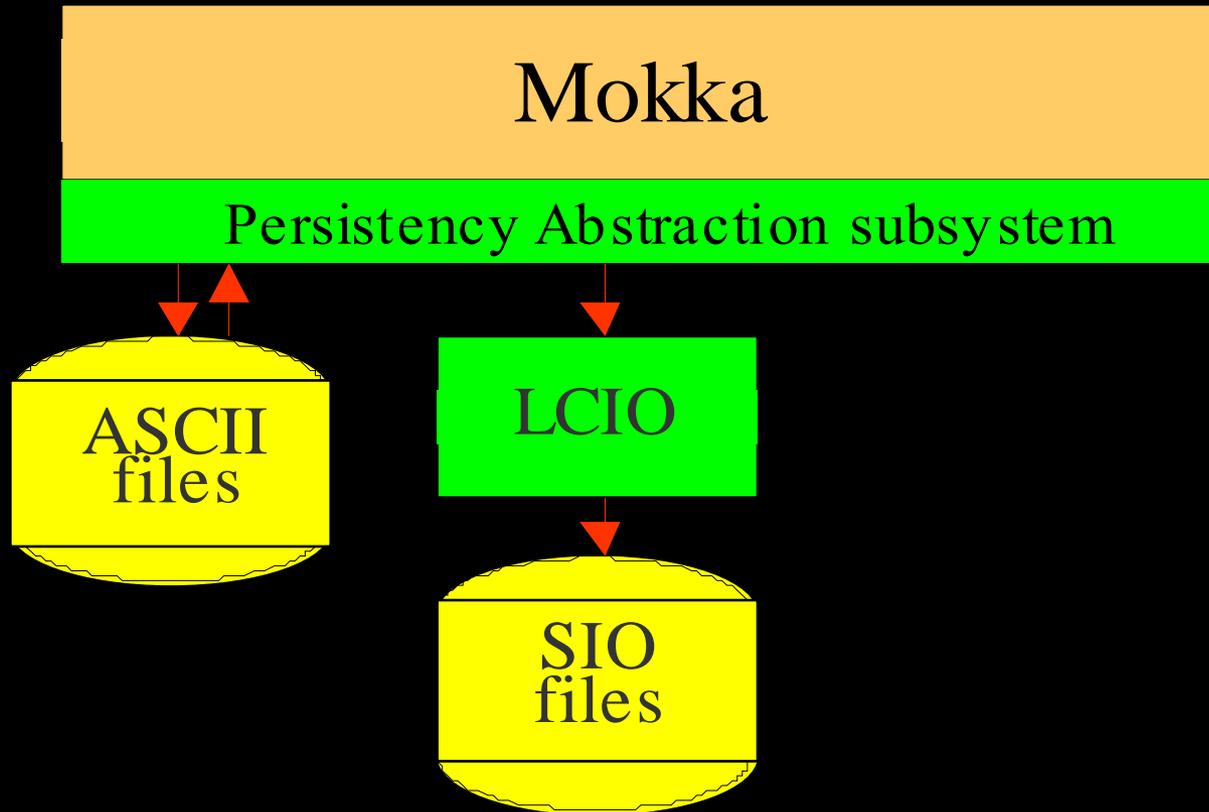
Detector Simulation

- * existing base version
- * a more detailed version in development
 - implementation of the Beam Line and of the LAT and LCAL detectors of the mask (Peter Wienemann)
 - muon chambers (to be done)
 - improve the implementation detail of the different detector pieces
- * official LCD implementation in Mokka (Ties Behnke)

Improving the framework (I)

- * Mokka output in both LCIO and ASCII format
- * Keeping up-to-date with LCIO evolution

Mokka persistency model



Improving the framework (II): TODO list

- * compression of the six Cal hit indices

P S M I J K X Y Z E PID **PDG**

in a single word and decoding into
coordinates of the cell center (CGACellId)

- * I/O of the run information in LCIO format

Improving the framework (III):

TODO list

- * implement a scheme for the usage of different

 - physics-lists

- * implement « steering-files »

- * implement a plug-in scheme for the
User Actions

Improving the framework (IV): TODO list

- * improve the Event Display
 - selection of detector pieces
 - selection of hits, tracks
 - 2D views

- * defining materials in the DB

Simulation in the UK

- * Compared Geant3-Geant4
 - used Mokka to generate the Fortran description of the prototype
- * Compared Mokka-Fluka
 - replacement of part of Mokka code

Bug fixes in Geant4

- * coming from Gheisha
- * part of them corrected in Geant 4 4.1
- * in release 5.2 « Fixed major bug in G4HadronicProcess, affecting the final state generation in all materials with more than 2 elements »