



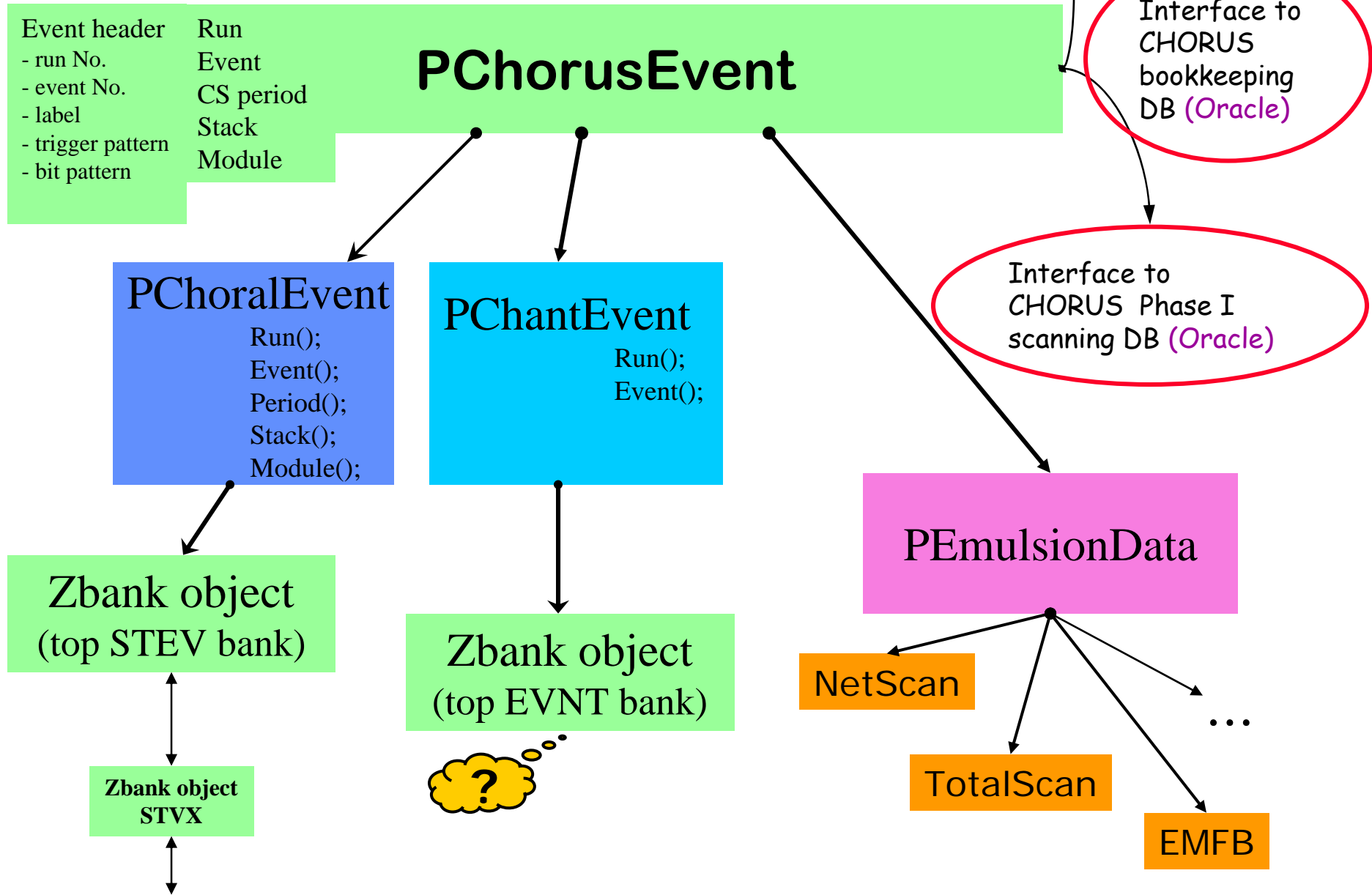
# **ChorusDB: a status report**

*Roumen TSENOV,*  
Chorus Collaboration meeting  
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# Software infrastructure at CERN

- ◆ **Objectivity/DB™, version 5.1.2 (Linux RedHat 6.1)**
- ◆ **Data server , shd98.cern.ch (Digital UNIX)**  
~70 Gb of RAID disk space, up to 300 Gb when needed.
- ◆ **Tools for storing/accessing data**  
- module **chorusdb** in our CVS repository

# ChorusDB schema



# Points of progress

- ◆ Optimization of ChorusDB structure;
- ◆ Writing / reading of CHANT events achieved;
- ◆ New Kodama's code for accessing Netscan data integrated successfully (All HepODBMS wrapper classes removed.) ;
- ◆ 6 GB of NetScan data loaded in the data-base;
- ◆ CHANT frame adapted to accept **ChorusDB** as input stream and necessary tools from the data-base side developed ( + A.A.)
- ◆ Raw data for all Netscan-ed events are being extracted from raw tapes and processed with CHANT
- ◆ Interface to Chorus metadata in ORACLE **hepdb** almost ready (+ I.M.)

# Problems

## ◆ **NetScan data structure;**

We have now only raw data (segments); they are not aligned and organized in tracks and vertices. Work on that is in progress in Nagoya...

CHANT SCAN module cannot be written before this work is finished.

## ◆ **Synchronization of data-bases at CERN and Nagoya (and other places...);**

- keep one common production schema (structure of data) shared among all sites where ChorusDB is in use;

- perform schema evolution on development federation(s) based on production one;

- put new schema in production, e.g. upgrade schemas in all production federations;

**Alternative**, proposed by K.Kodama: use named schemas.

# Next tasks

- ◆ **Achieve stable state of schema and build up production federated data-base;**
- ◆ **Load all Choral mini-DST (STEV bank) there;**
- ◆ **Test of modified CHANT frame with ChorusDB as input stream**
- ◆ **Test of interface to Chorus metadata.**
- ◆ **Loading of CHANT DST when and what is available**  
(full EVNT tree but raw data banks and DB banks cut out)
- ◆ **SCAN module;**
- ◆ **Load EMFB data (Bari) and TotalScan data (Salerno)**