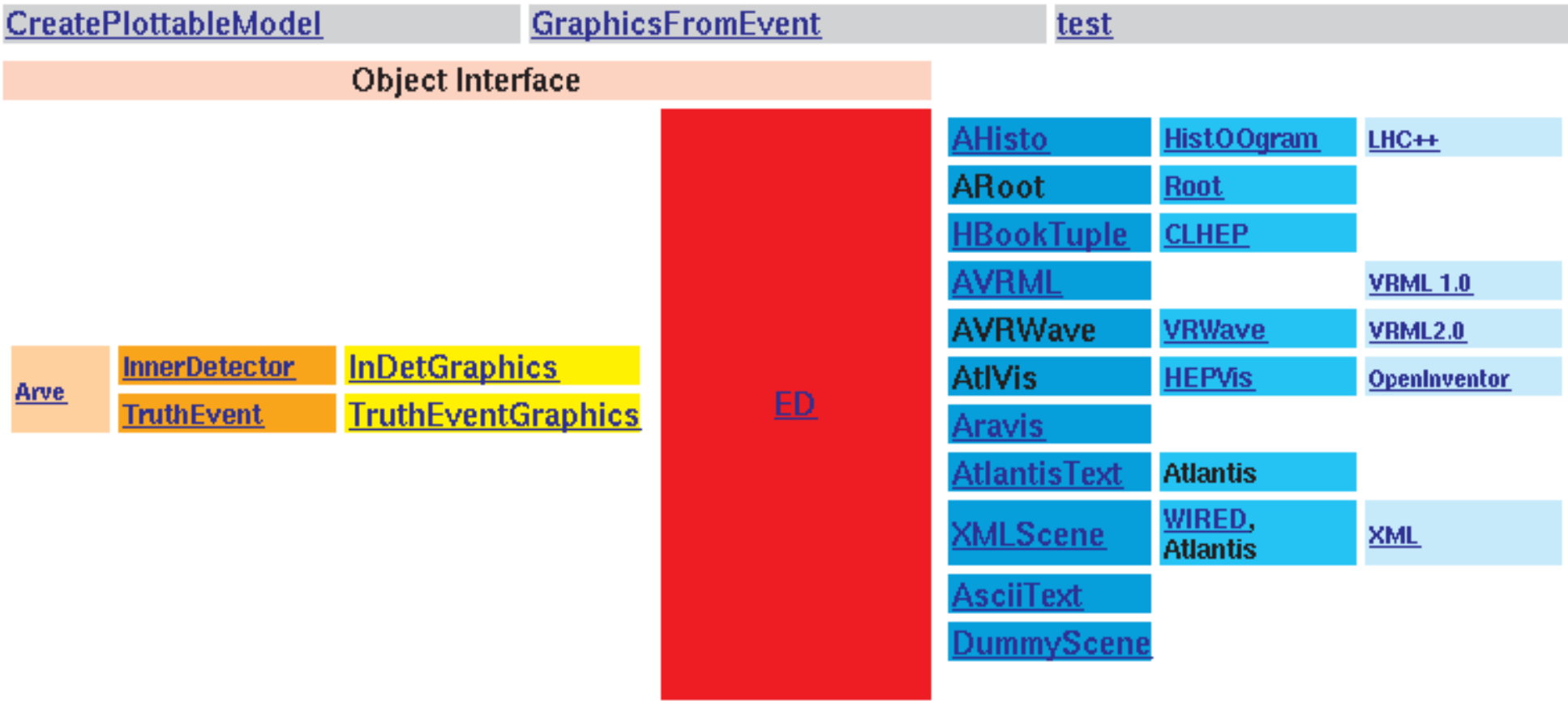
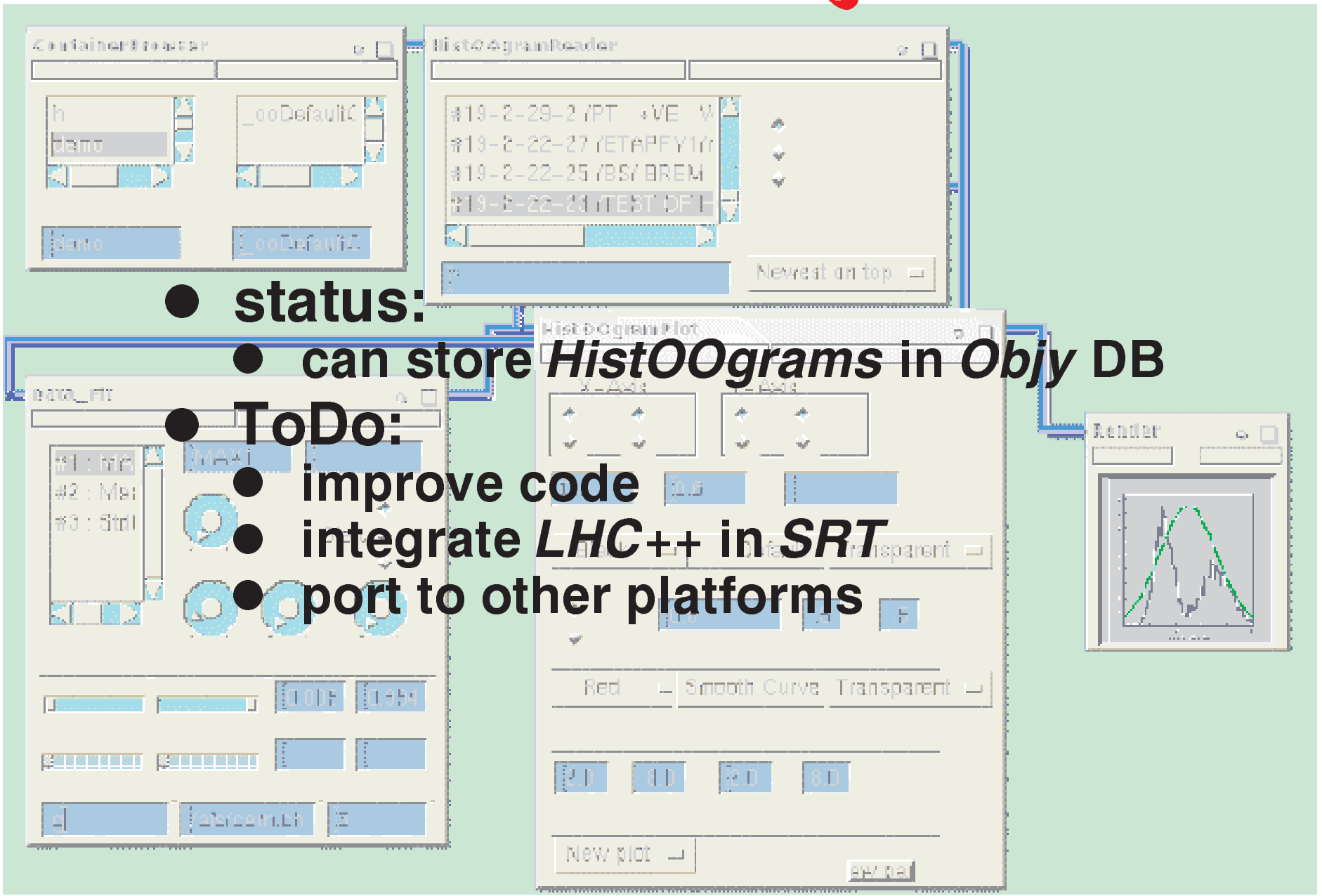
Atlas Graphics Status
Ann Arbor, August'98

- AbstractScene:
  - Histogram:
    - AHisto, ARoot, HBookTuple
  - EventDisplay:
    - AVRML, AVRWave, AtlVis, Aravis, Atlantis, AWired
  - Misc:
    - XMLScene, AsciiText, DummyScene, JavaScene
- Control:
  - ED,ObjectInterface
- Utility:
  - CreatePlottableModel
- CrossDomain:
  - InDetGraphics,TruthEventGraphics
- Application:
  - GraphicsFromEvent

SubDomains

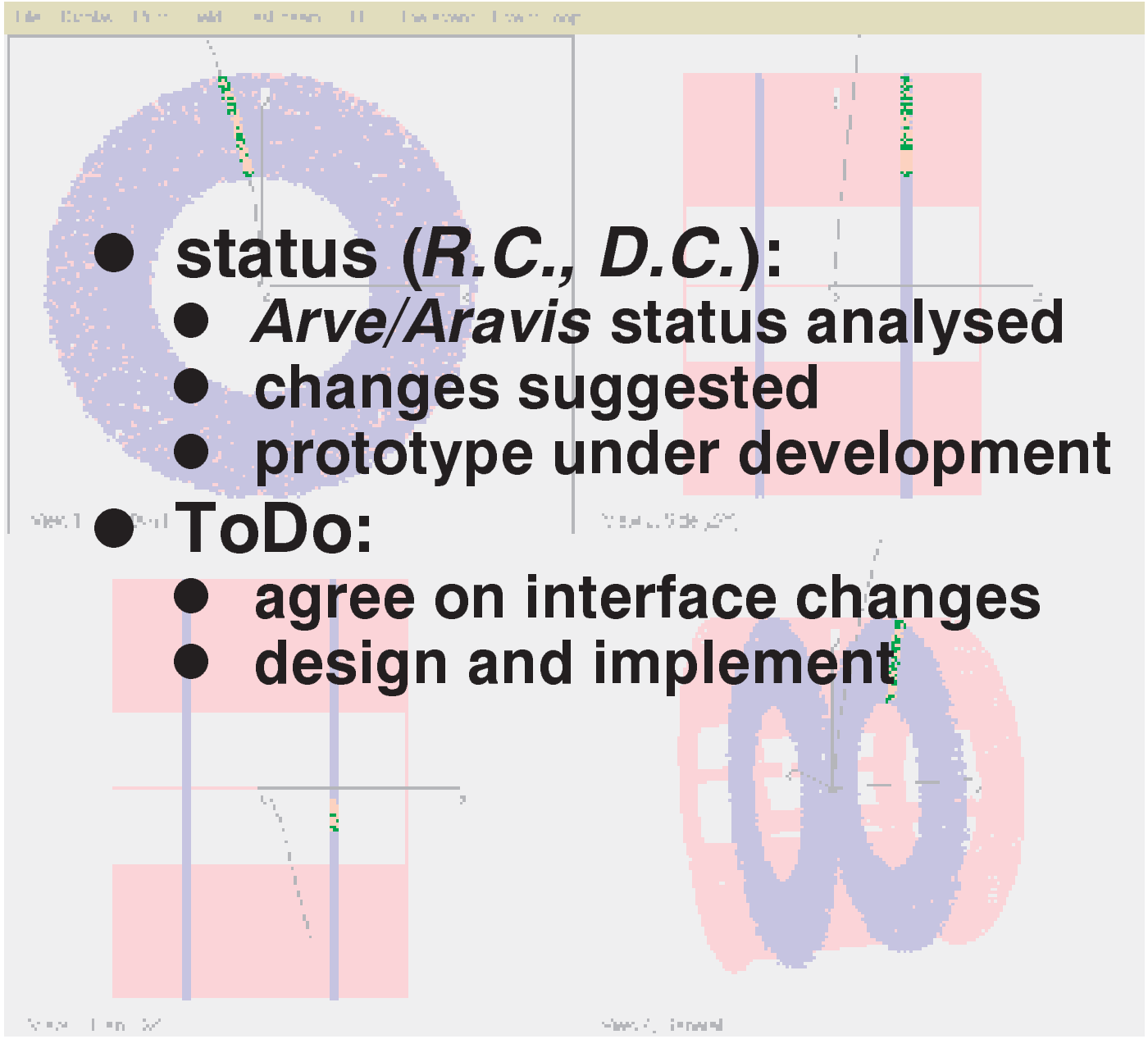

CreatePlottableModel
GraphicsFromEvent
test
Object Interface
Arve
InnerDetector
TruthEvent
InDetGraphics
TruthEventGraphics
ED
AHisto
HistOOgram
LHC++
ARoot
Root
HBookTuple
CLHEP
AVRML
VRML 1.0
AVRWave
VRWave
VRML2.0
AtlVis
HEPVis
OpenInventor
Aravis
AtlantisText
Atlantis
XMLScene
WIRED, Atlantis
XML
AsciiText
DummyScene

AbstractScene: Histogram/AHisto



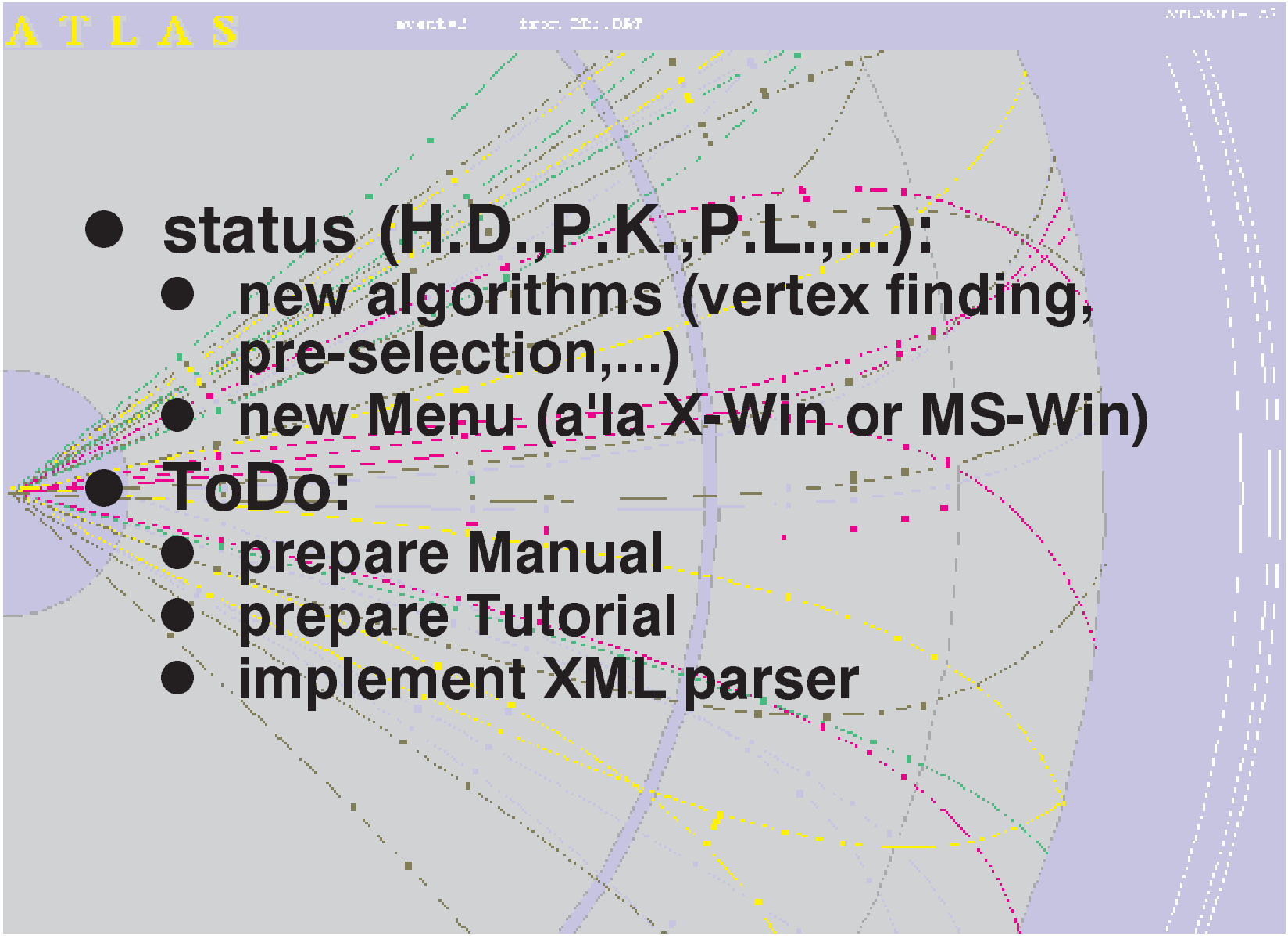
- **status:**
  - **can store *HistOOgrams* in *Objy* DB**
- **ToDo:**
  - **improve code**
  - **integrate *LHC++* in *SRT***
  - **port to other platforms**

AbstractScene: EventDisplay/Aravis



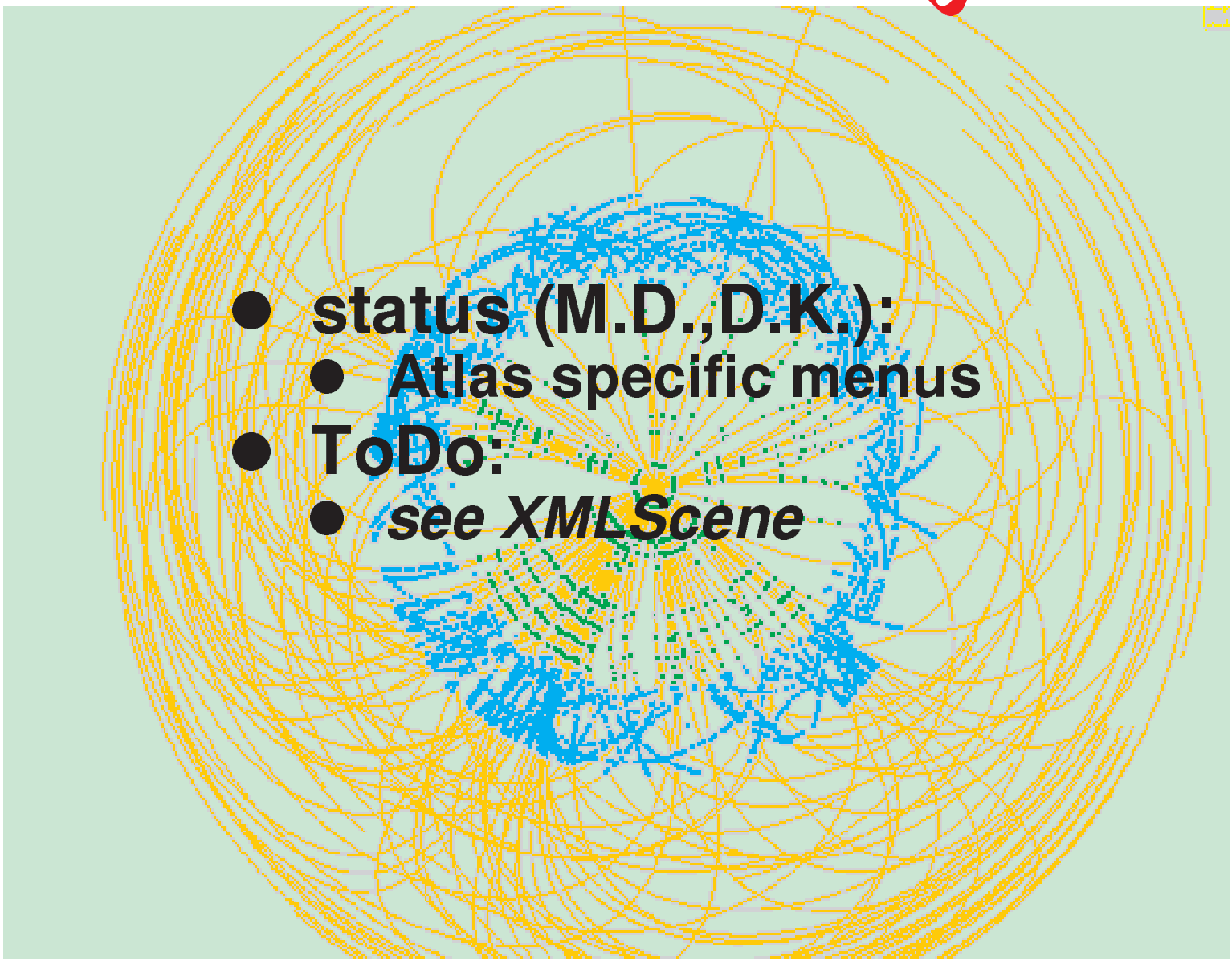
- status (*R.C., D.C.*):
  - *Arve/Aravis* status analysed
  - changes suggested
  - prototype under development
- ToDo:
  - agree on interface changes
  - design and implement

AbstractScene: EventDisplay/Atlantis



- status (H.D.,P.K.,P.L.,...):
  - new algorithms (vertex finding, pre-selection,...)
  - new Menu (a'la X-Win or MS-Win)
- ToDo:
  - prepare Manual
  - prepare Tutorial
  - implement XML parser

AbstractScene: EventDisplay/AWired

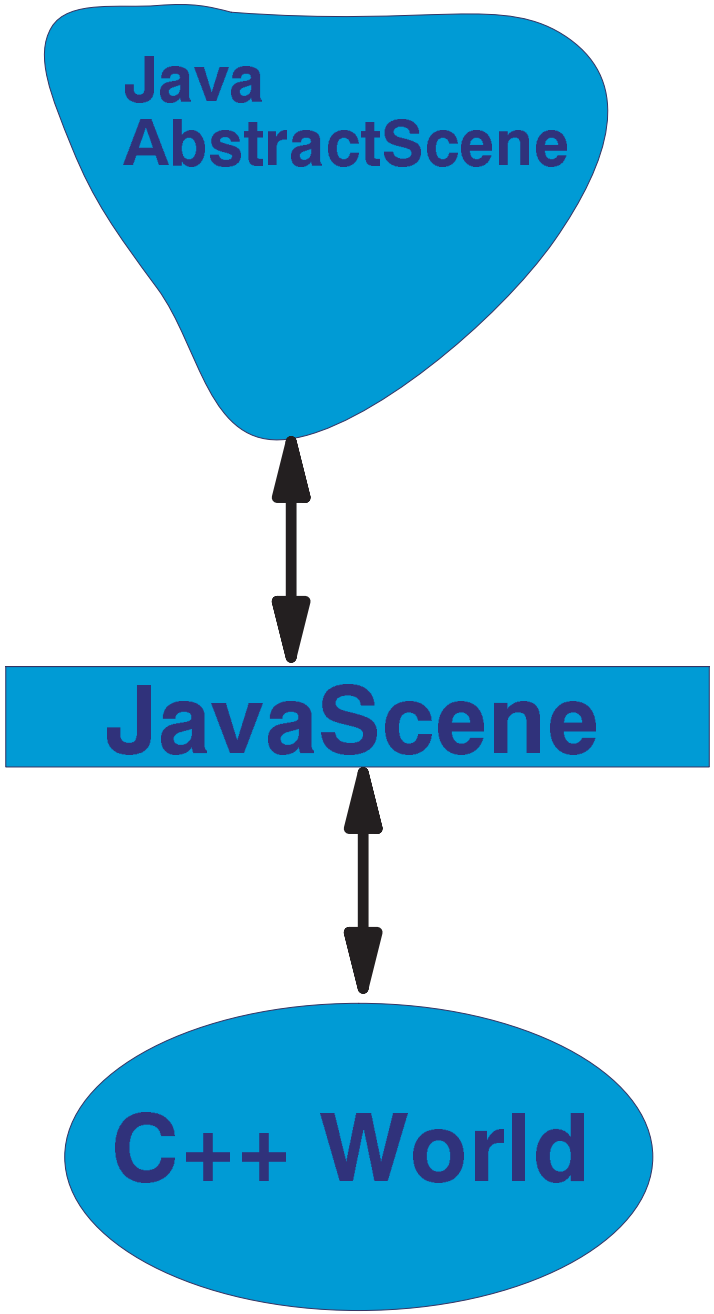


- status (M.D.,D.K.):
  - Atlas specific menus
- ToDo:
  - *see XMLScene*

AbstractScene: Misc/XMLScene

- status (J.H.,D.K.):
  - simple implementation
- ToDo:
  - implement file tree
  - agree on XML DTD

AbstractScene: Misc/JavaScene

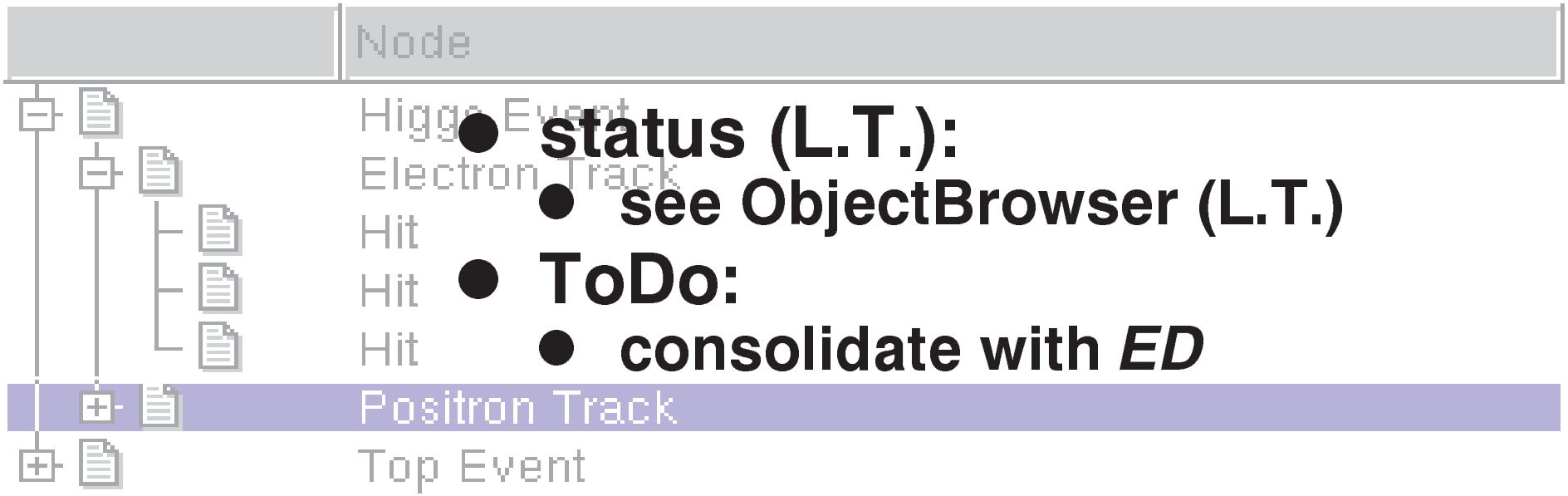


- status (O.P.):
  - implementation
- ToDo:
  - integrate
  - use

Control: ED

- status:
  - prepared for *Code Review*
- ToDo:
  - extent to satisfy requirements from other subdomains

Control: ObjectInterface



- **status (L.T.):**
  - **see ObjectBrowser (L.T.)**
- **ToDo:**
  - **consolidate with *ED***

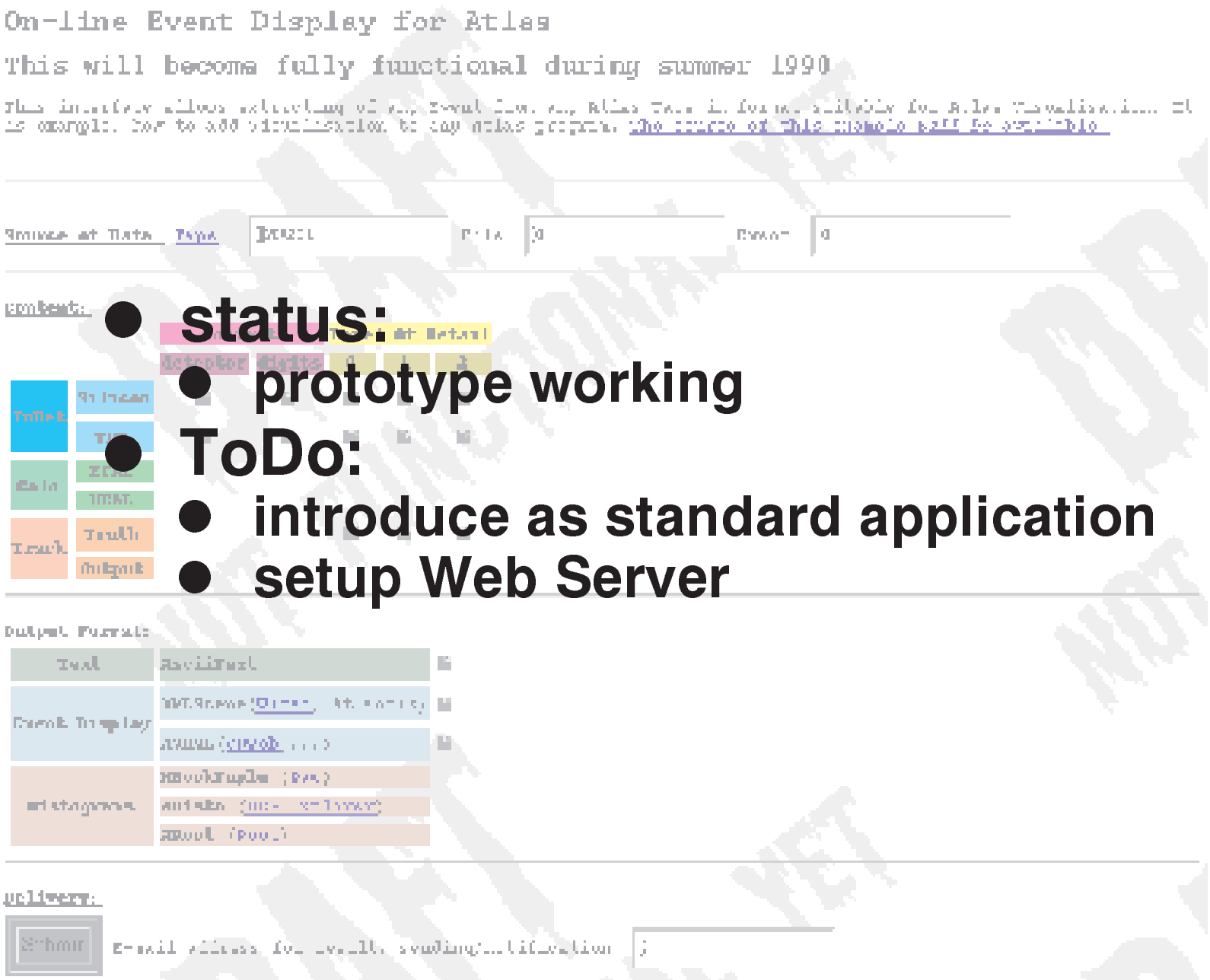
Utility: CreatePlottableModel

- status:
  - usable
- ToDo:
  - improve
  - integrate into StP

CrossDomain: InDetGraphics
CrossDomain: TruthEventGraphics

- **status:**
  - **implementation for *[Si, TRT] [Detector, Digit]*, *TruthTrack***
- **ToDo:**
  - **introduce changes into other Domains (*InnerDetector, TruthEvent*)**
  - **implement more usefull Plottables (*OutputTrack, SpacePoint, Cluster,...*)**
  - **improve implementation**
  - **introduce as standard way of data representation (Ascii, Histograms, 3D,...)**

Application: GraphicsFromEvent



- status:
  - prototype working
- ToDo:
  - introduce as standard application
  - setup Web Server