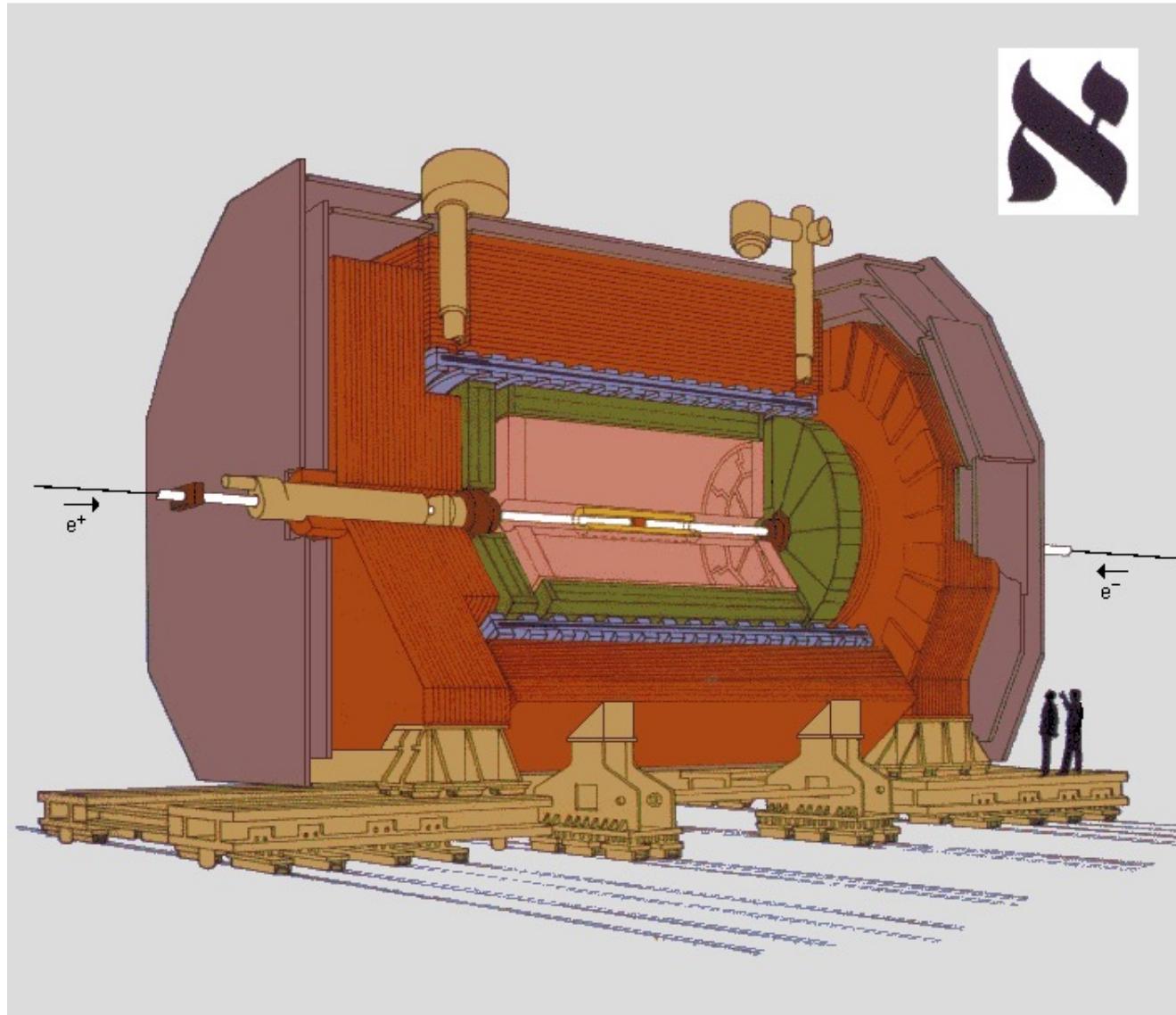


# Experimental particle. physics

**esipap...**  
European School of Instrumentation  
in Particle & Astroparticle Physics

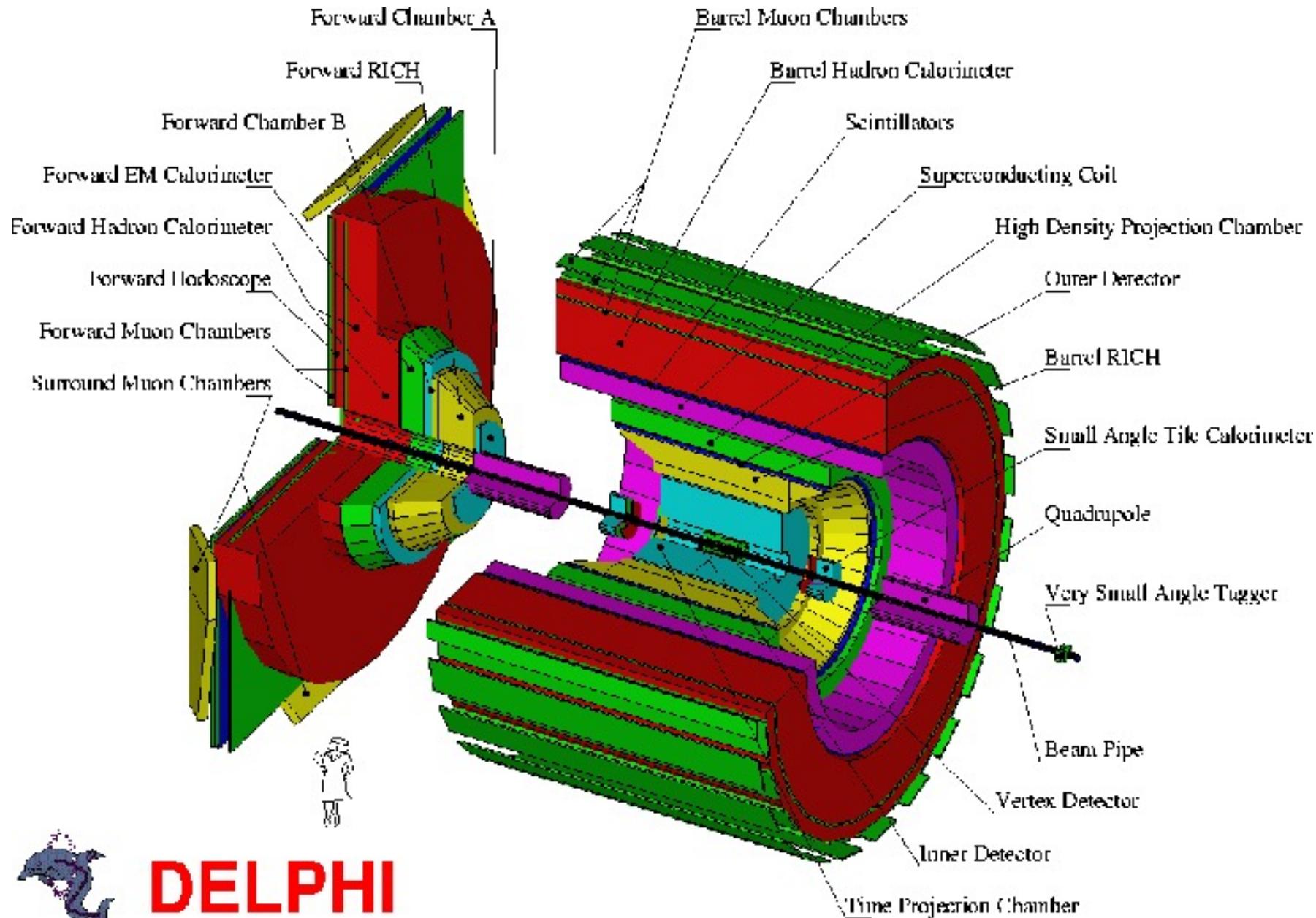


analysis of  
event displays

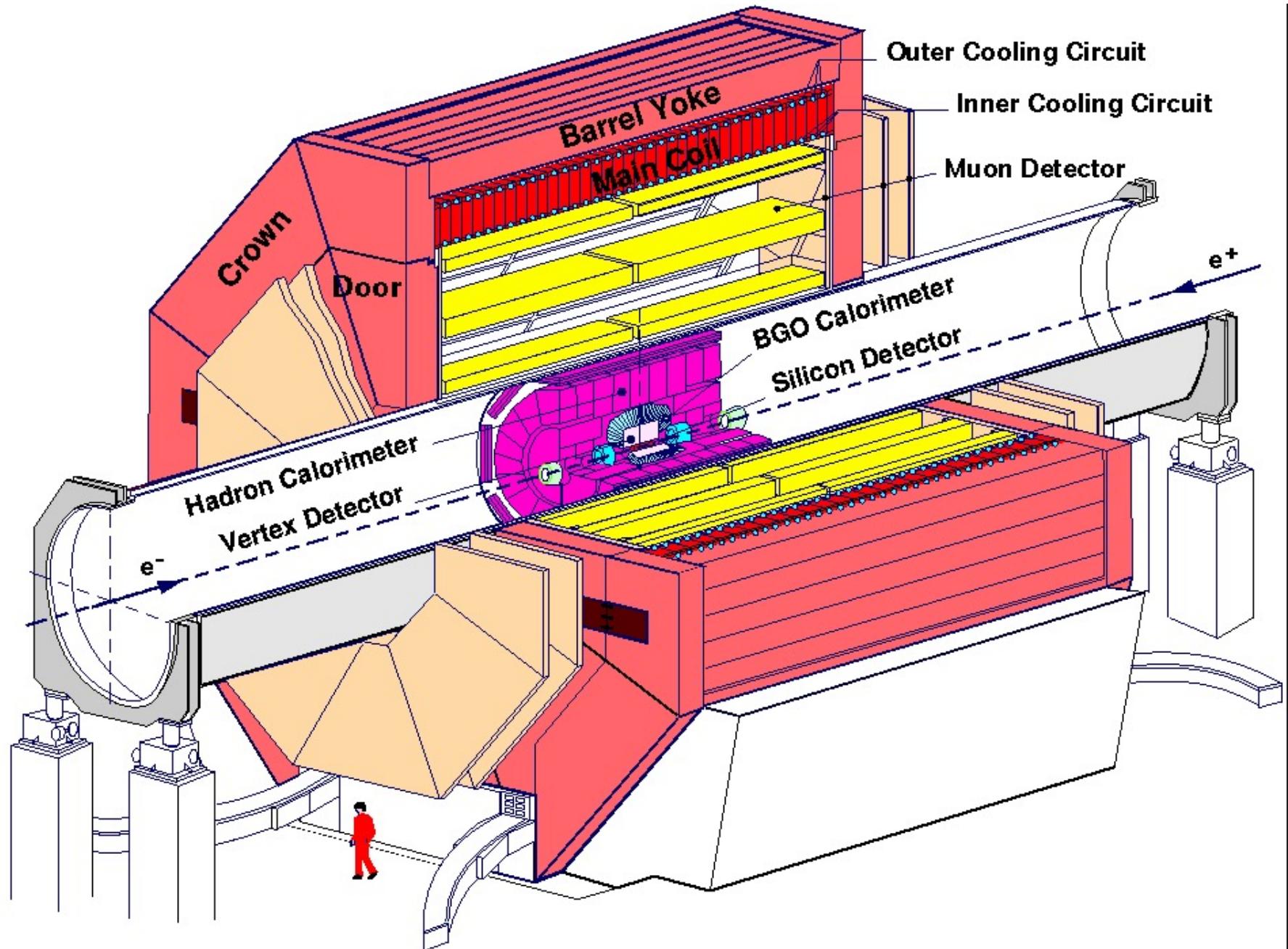


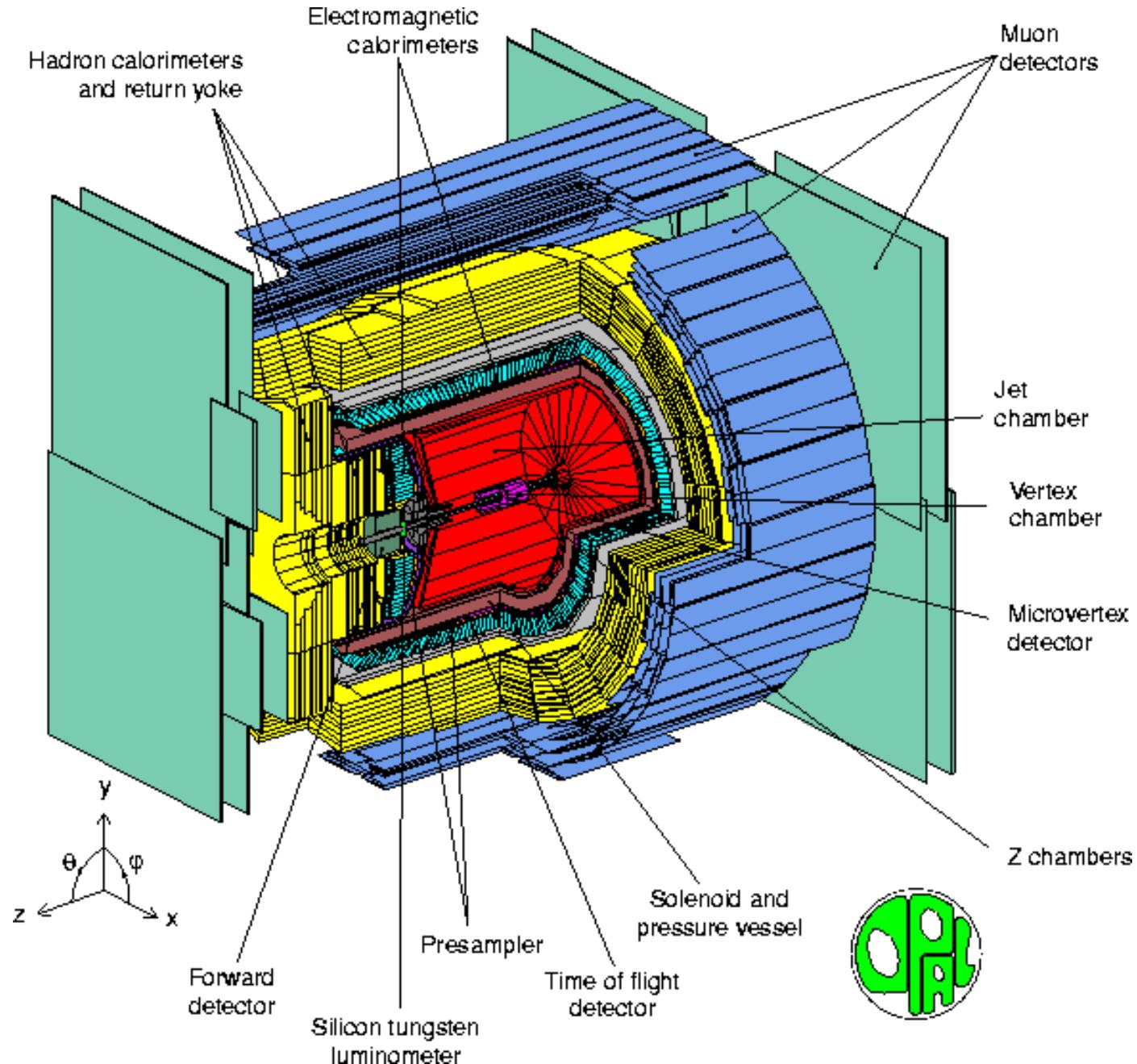
- Vertex Detector
- Inner Tracking Chamber
- Time Projection Chamber
- Electromagnetic Calorimeter
- Superconducting Magnet Coil
- Hadron Calorimeter
- Muon Chambers
- Luminosity Monitors

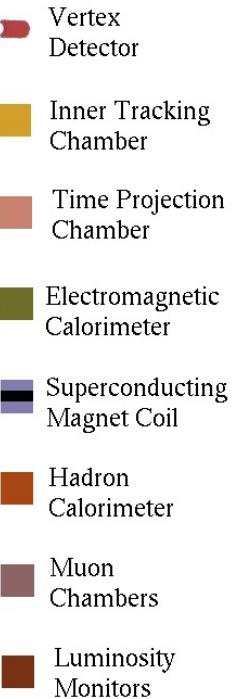
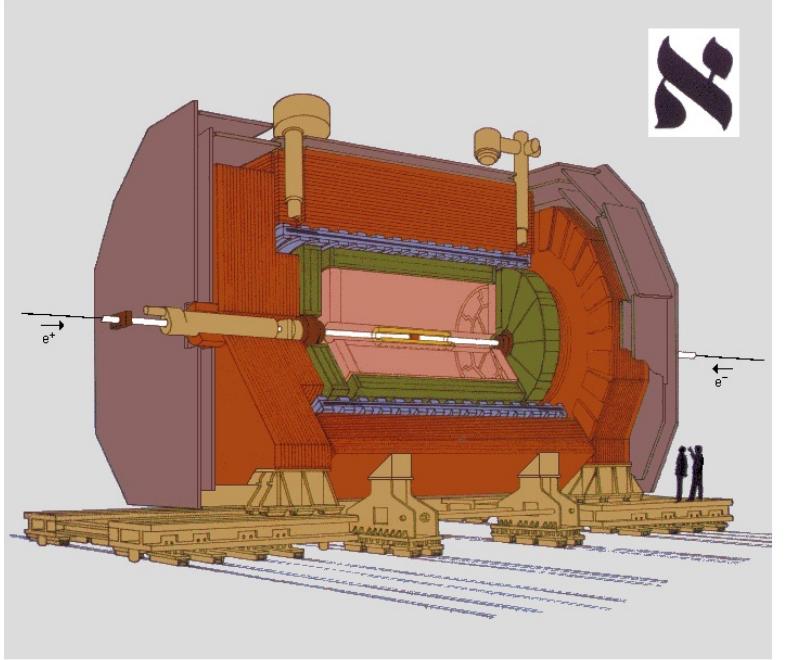
## The ALEPH Detector



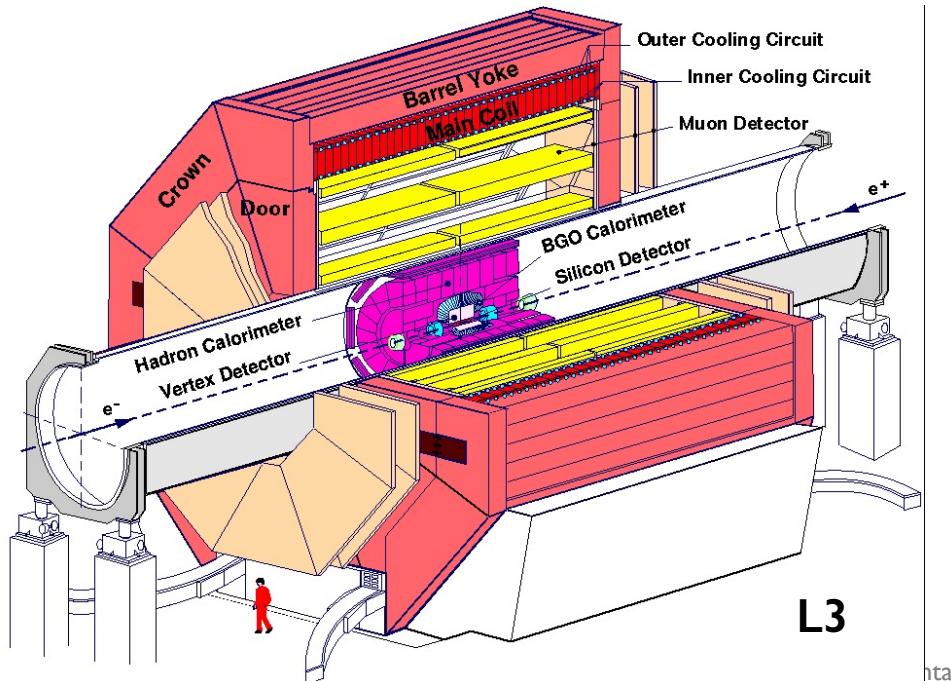
**DELPHI**



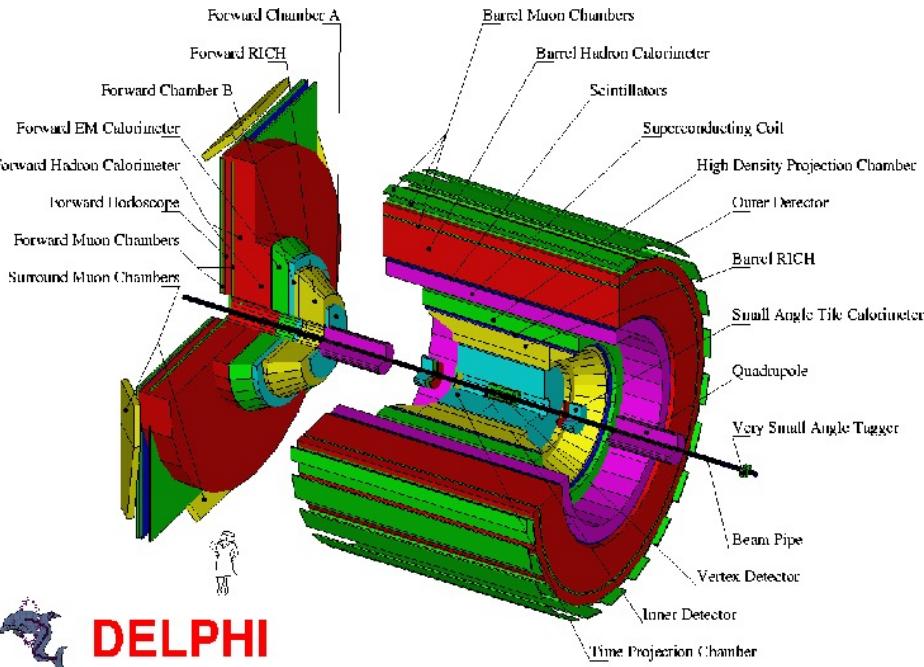




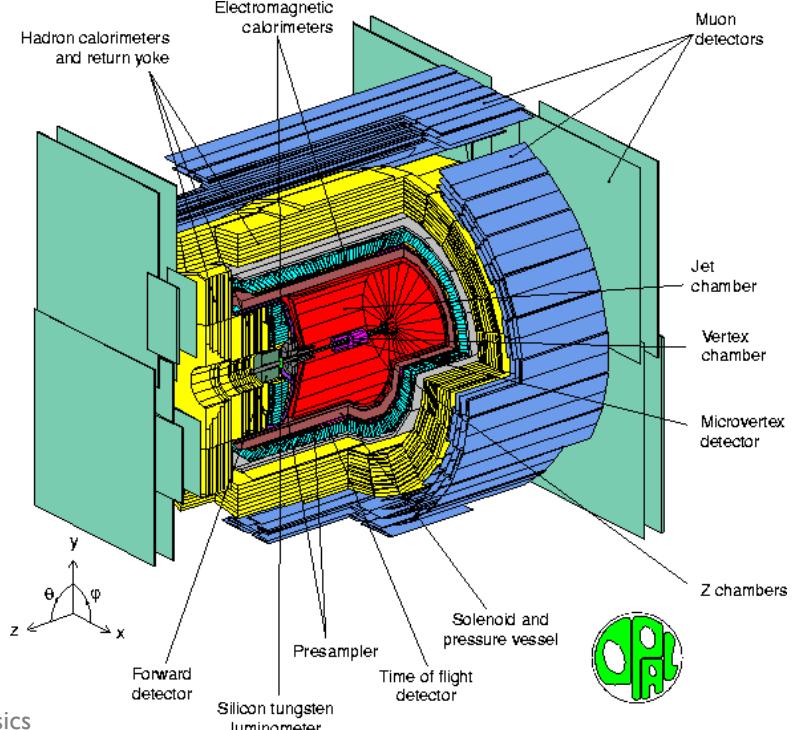
## The ALEPH Detector



L3



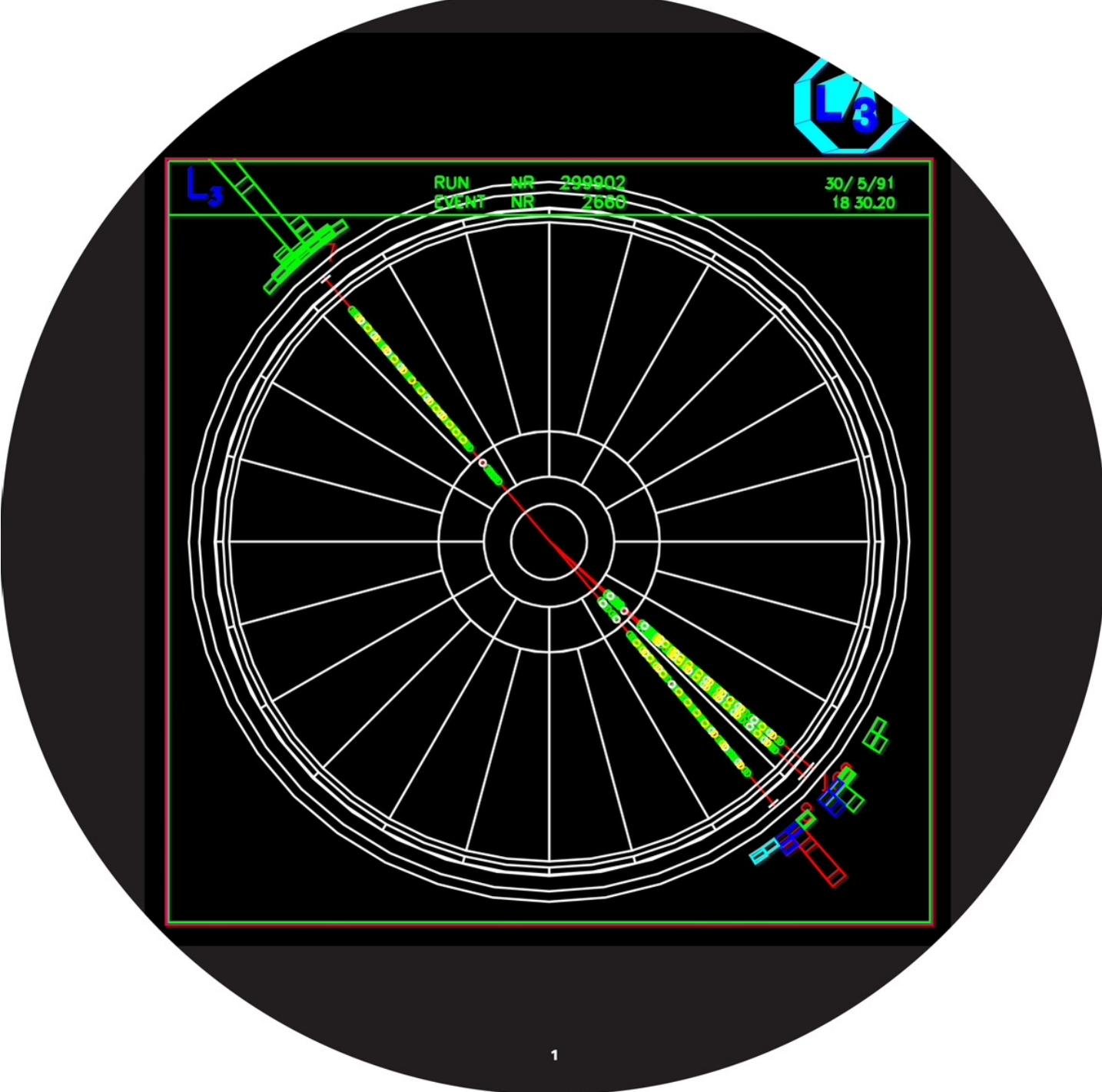
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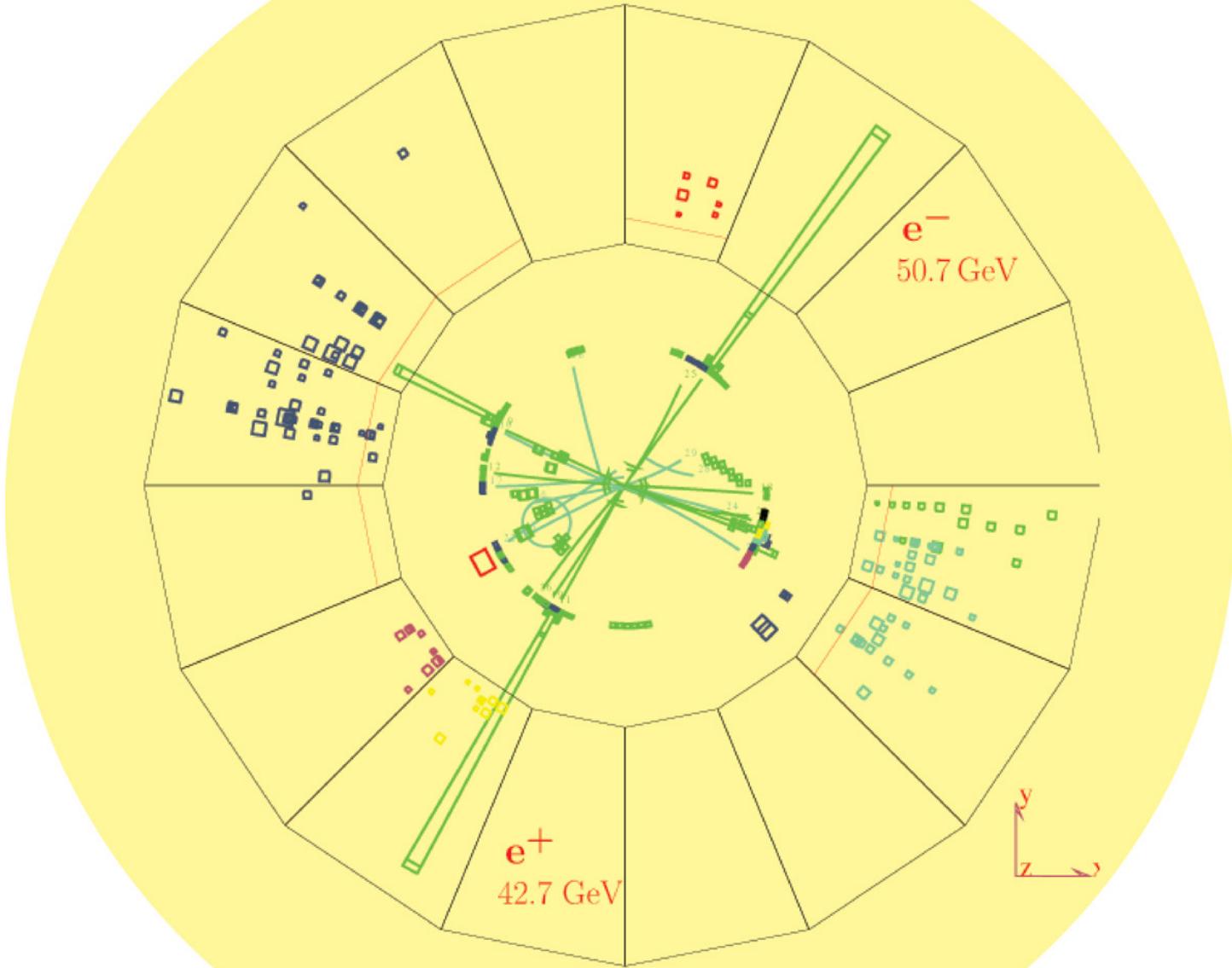


# Event display game

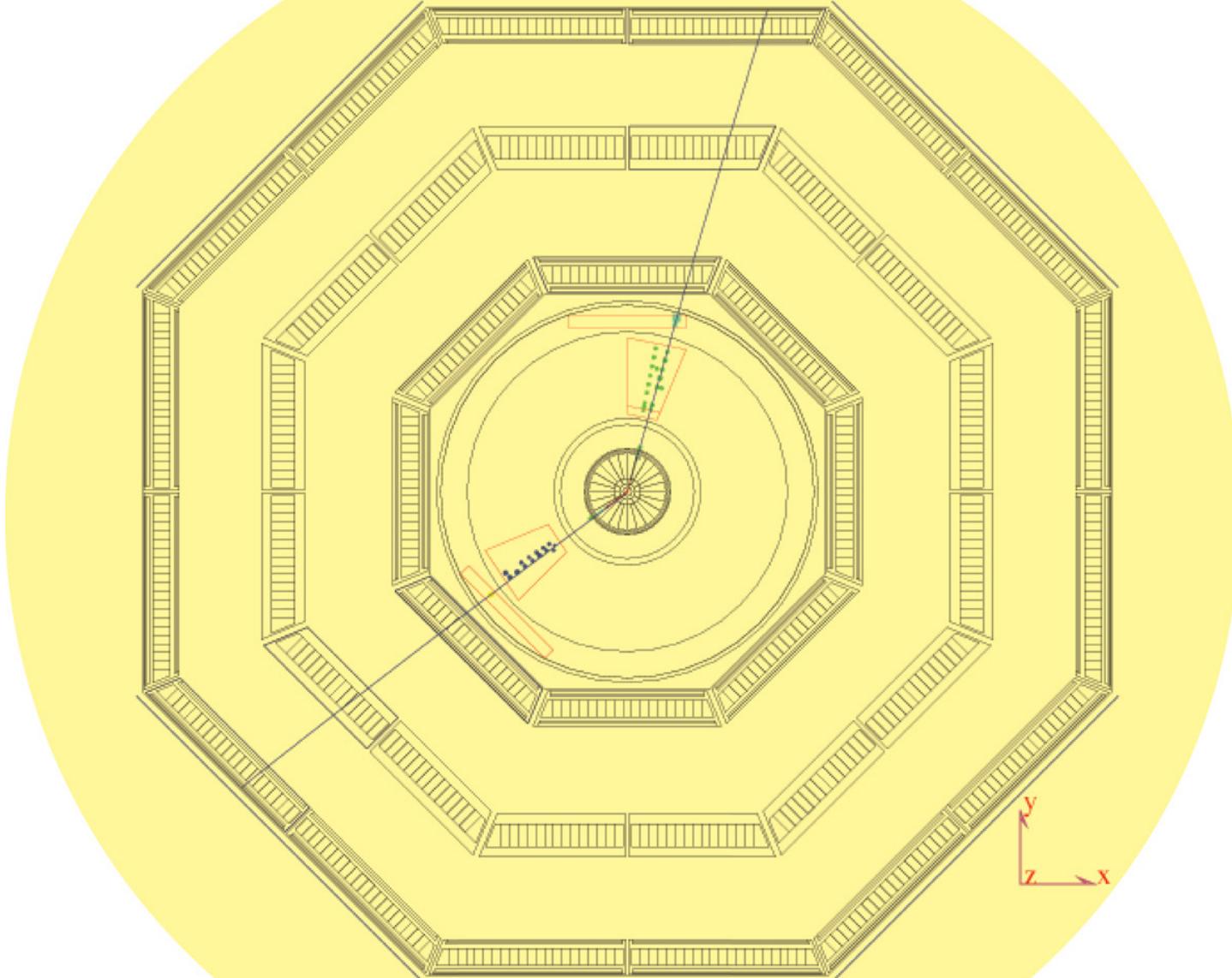
A	$Z \rightarrow e^+ e^-$
B	$Z \rightarrow \mu^+ \mu^-$
C	$Z \rightarrow \tau^+ \tau^-$
D	$Z \rightarrow q\bar{q}$
E	$Z \rightarrow q\bar{q}g$
F	$ZZ \rightarrow e^+ e^- \mu^+ \mu^-$
G	$ZZ \rightarrow e^+ e^- q\bar{q}$
H	$ZZ \rightarrow \mu^+ \mu^- q\bar{q}$

I	$WW \rightarrow e\nu\mu\nu$
L	$WW \rightarrow \mu\nu\mu\nu$
M	$WW \rightarrow \tau\nu\tau\nu$
N	$WW \rightarrow \tau\nu\mu\nu$
O	$WW \rightarrow e\nu q\bar{q}$
P	$WW \rightarrow \mu\nu q\bar{q}$
Q	$WW \rightarrow \tau\nu q\bar{q}$
R	$WW \rightarrow q\bar{q}q\bar{q}$



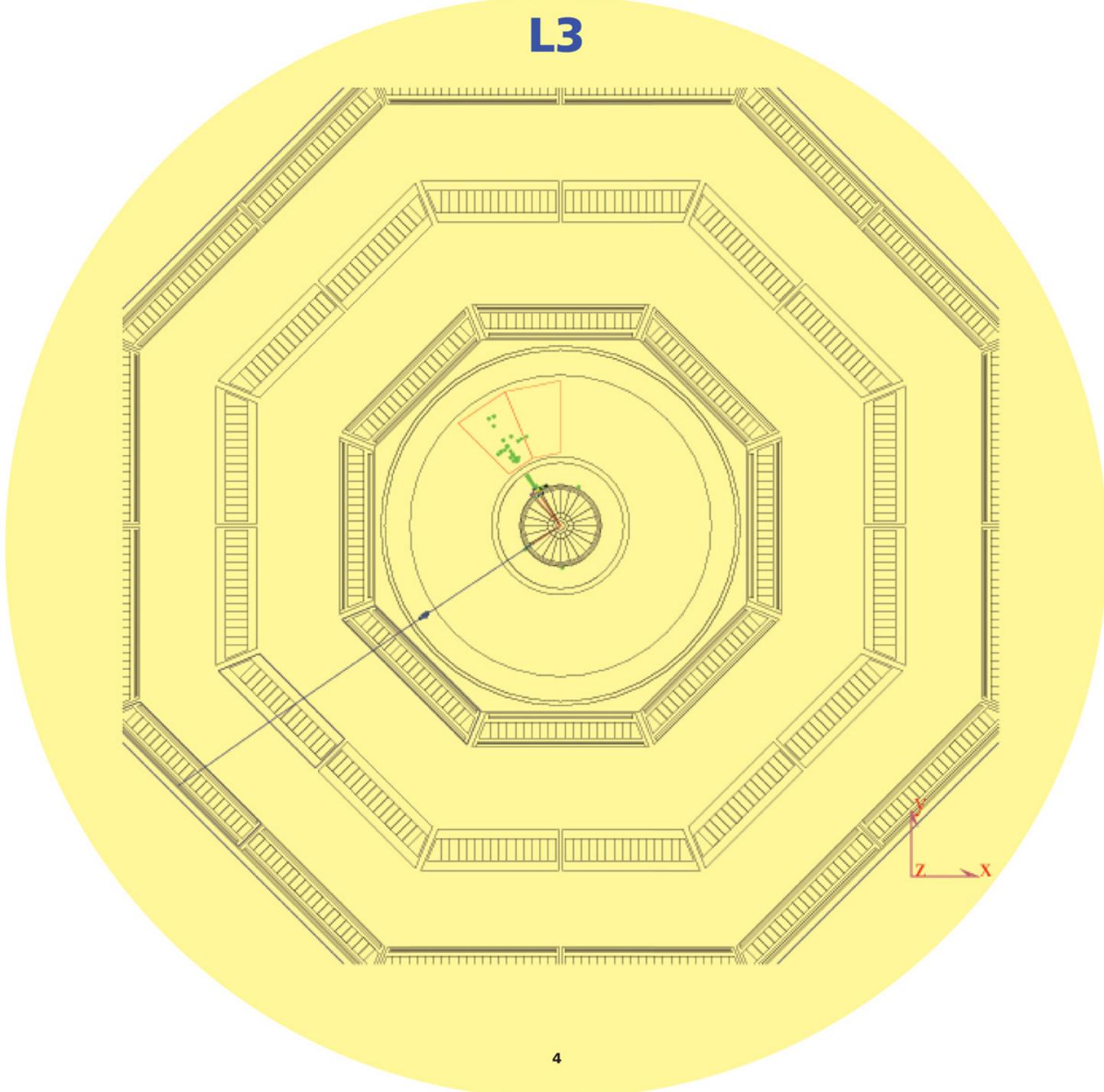


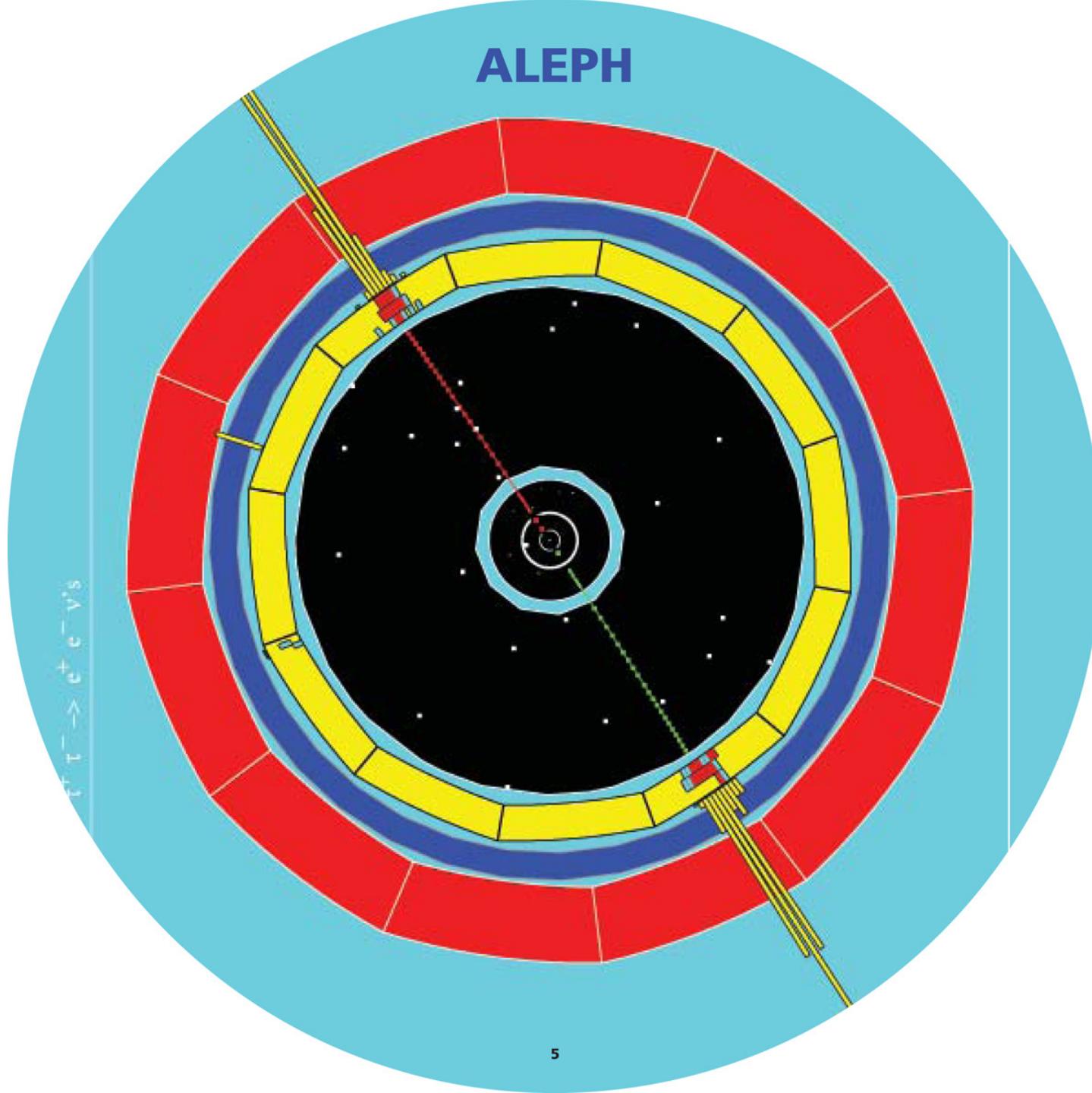
3 L3

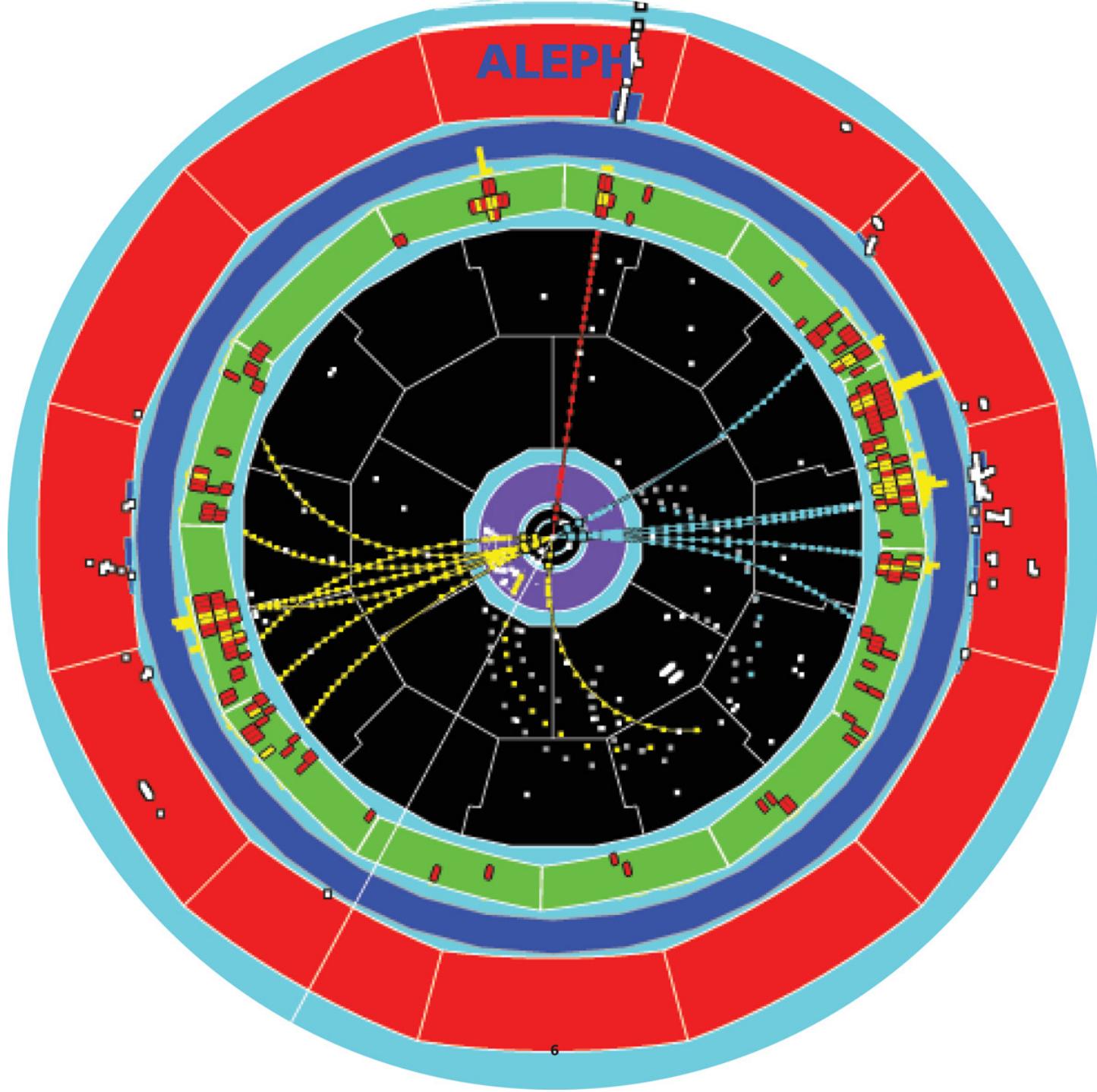


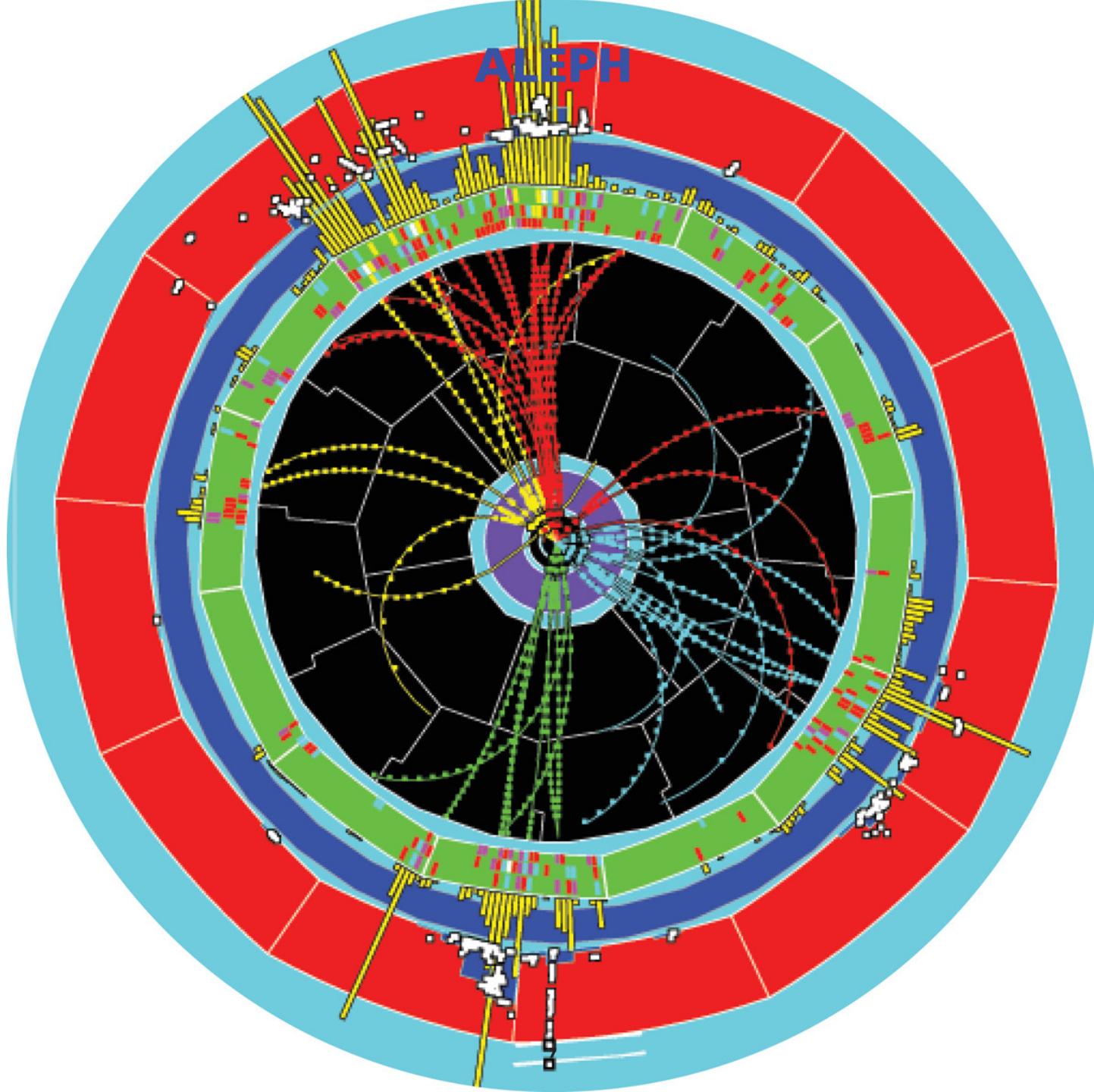
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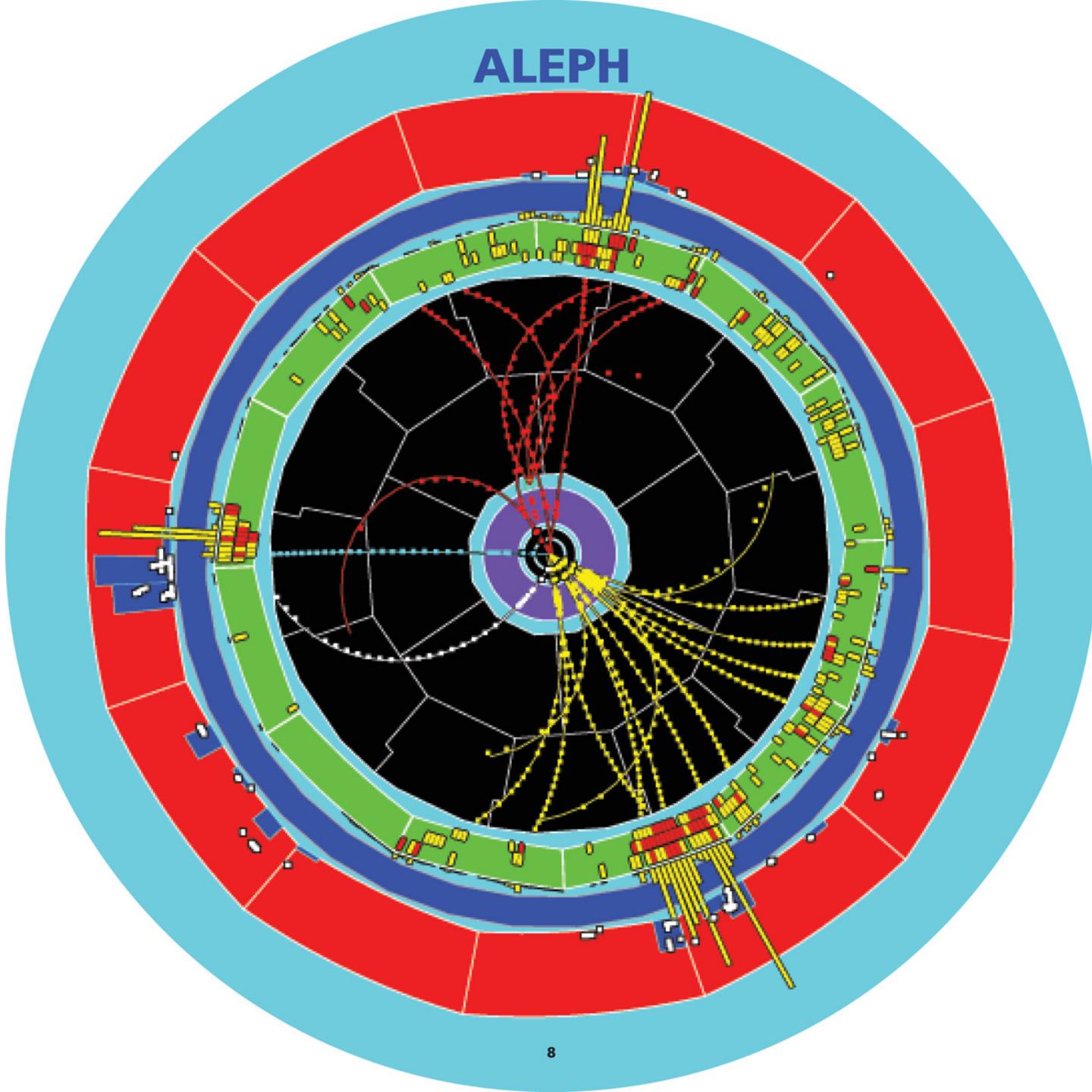
L3

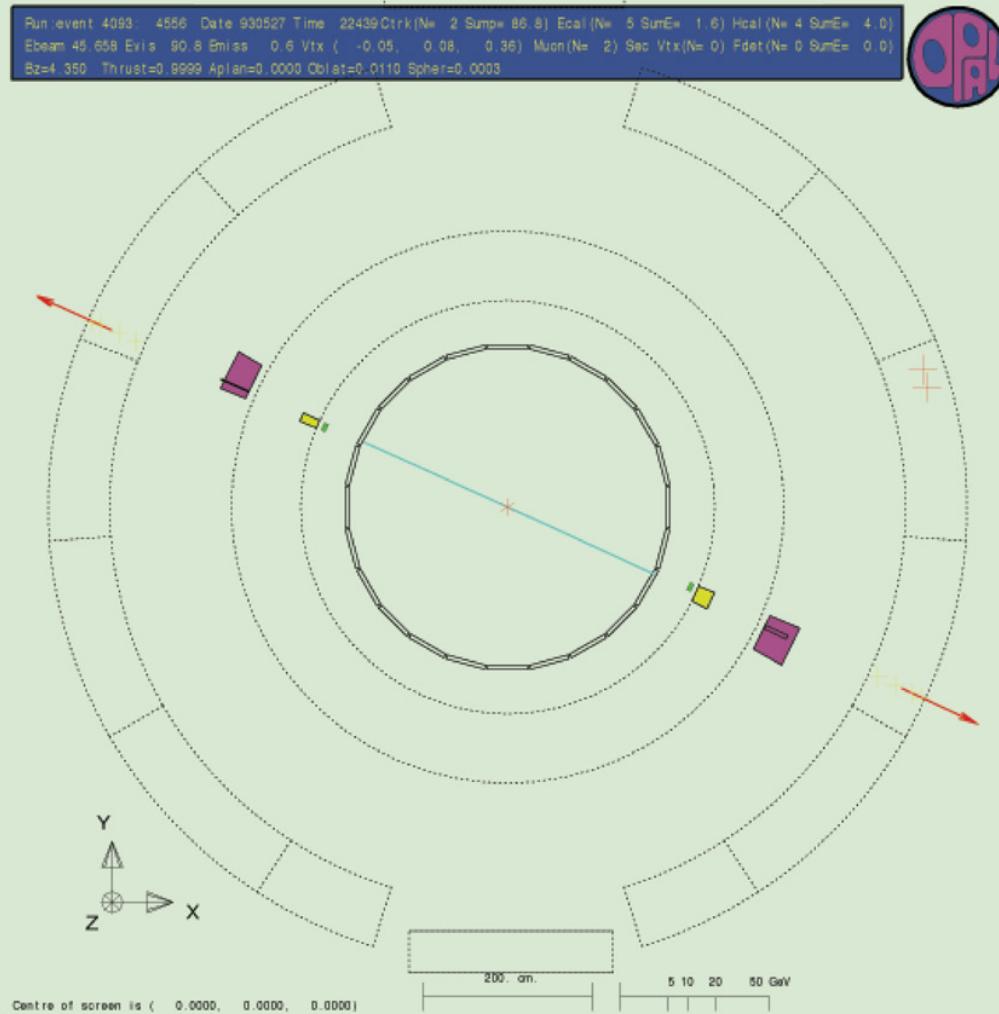


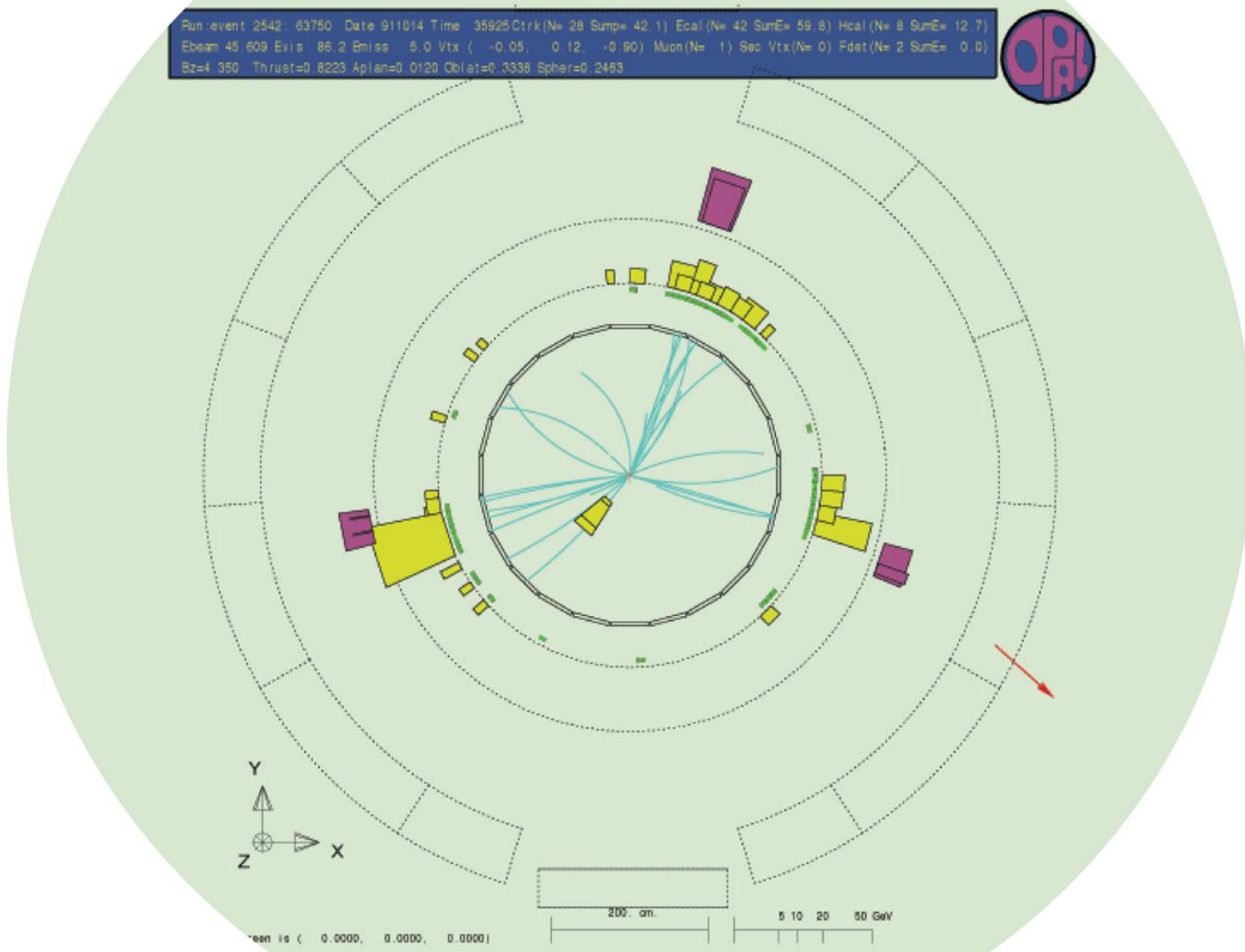
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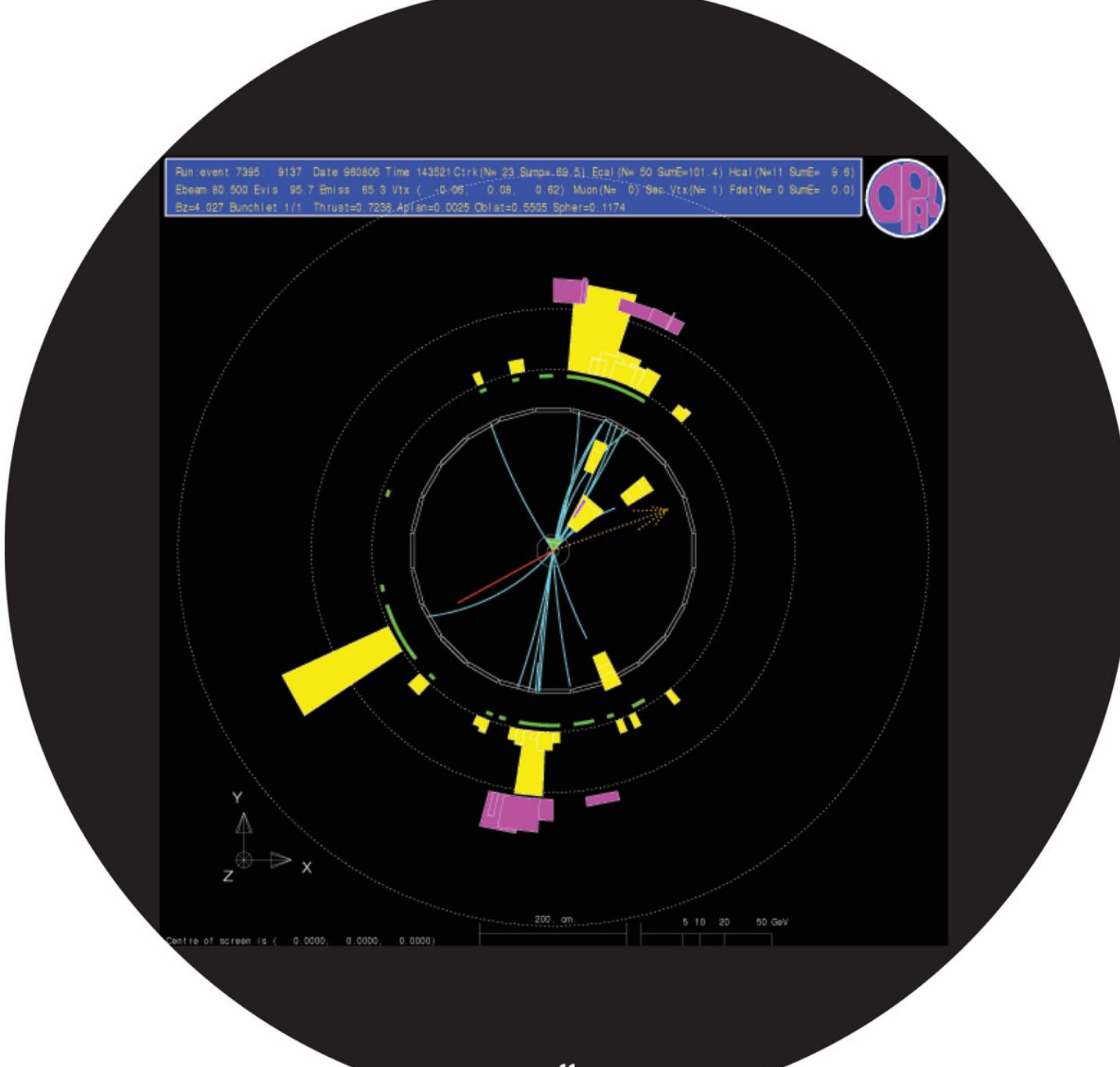


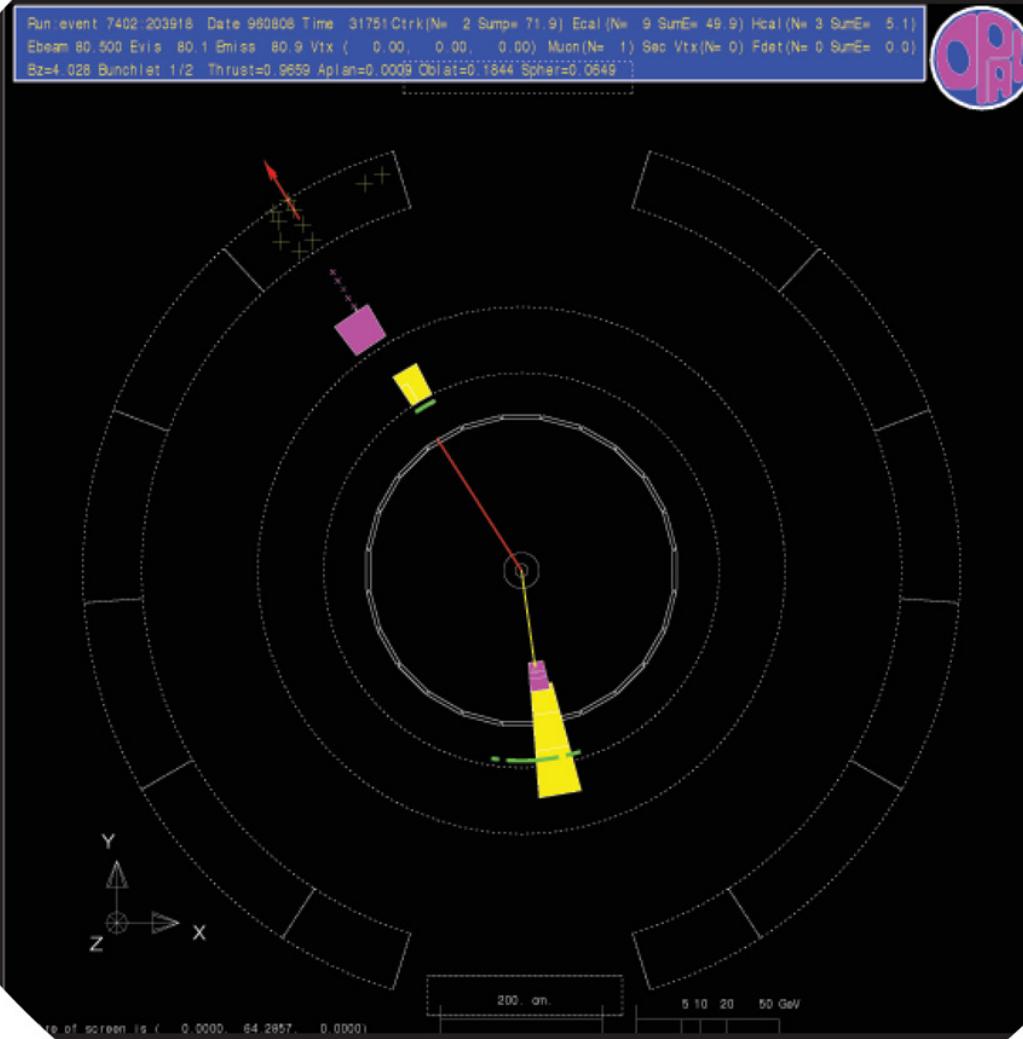


**ALEPH**



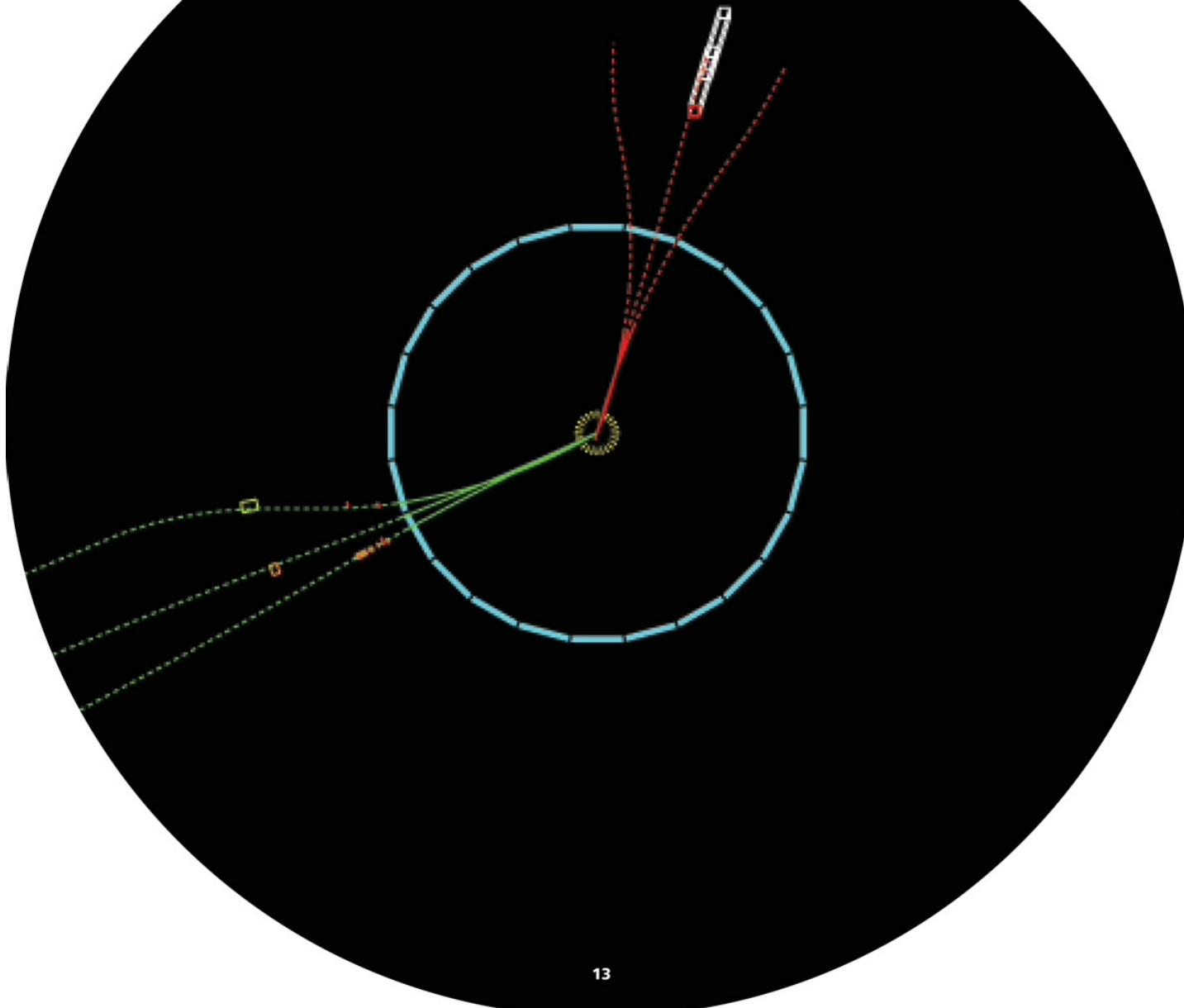






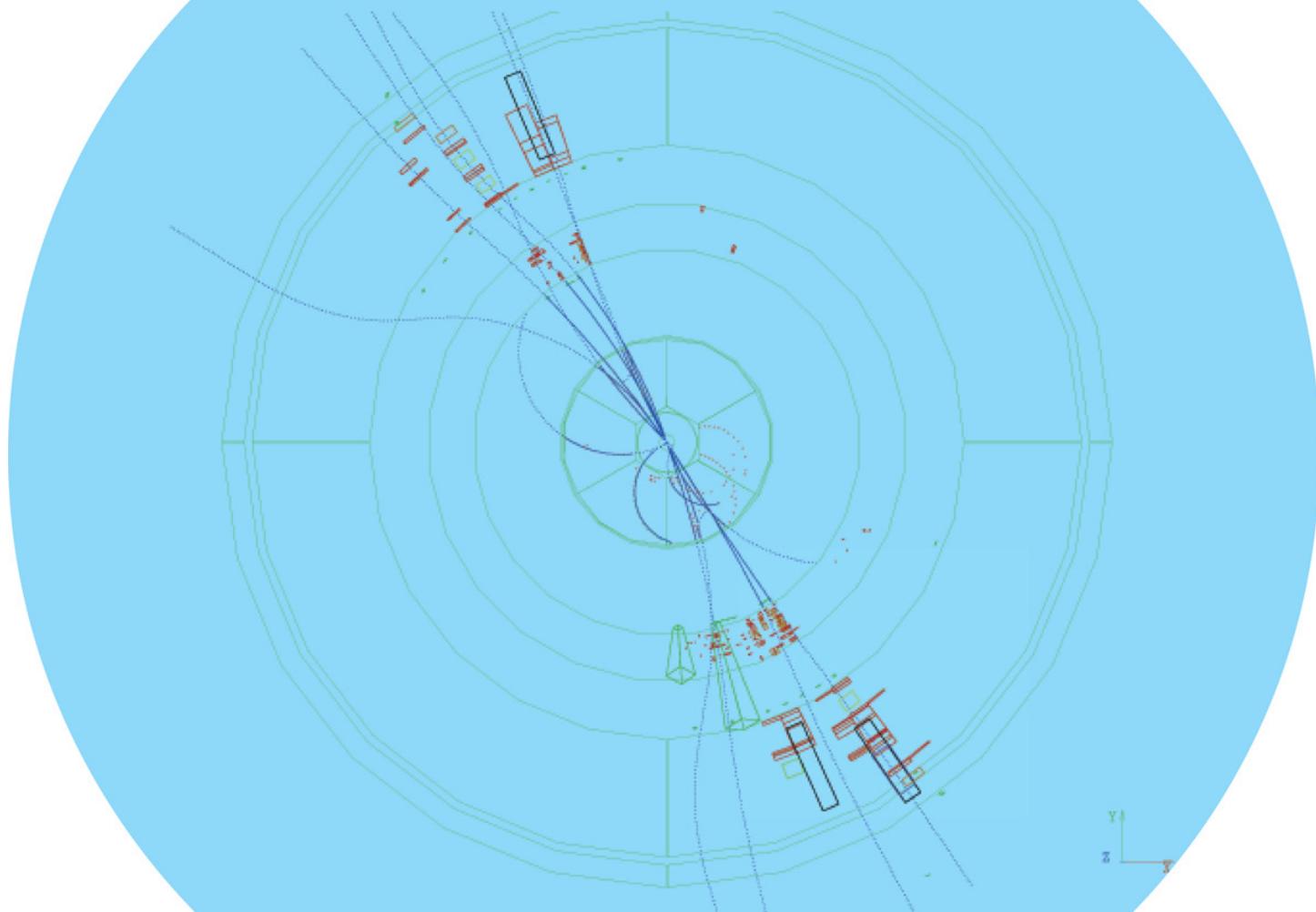
I3

DELPHI



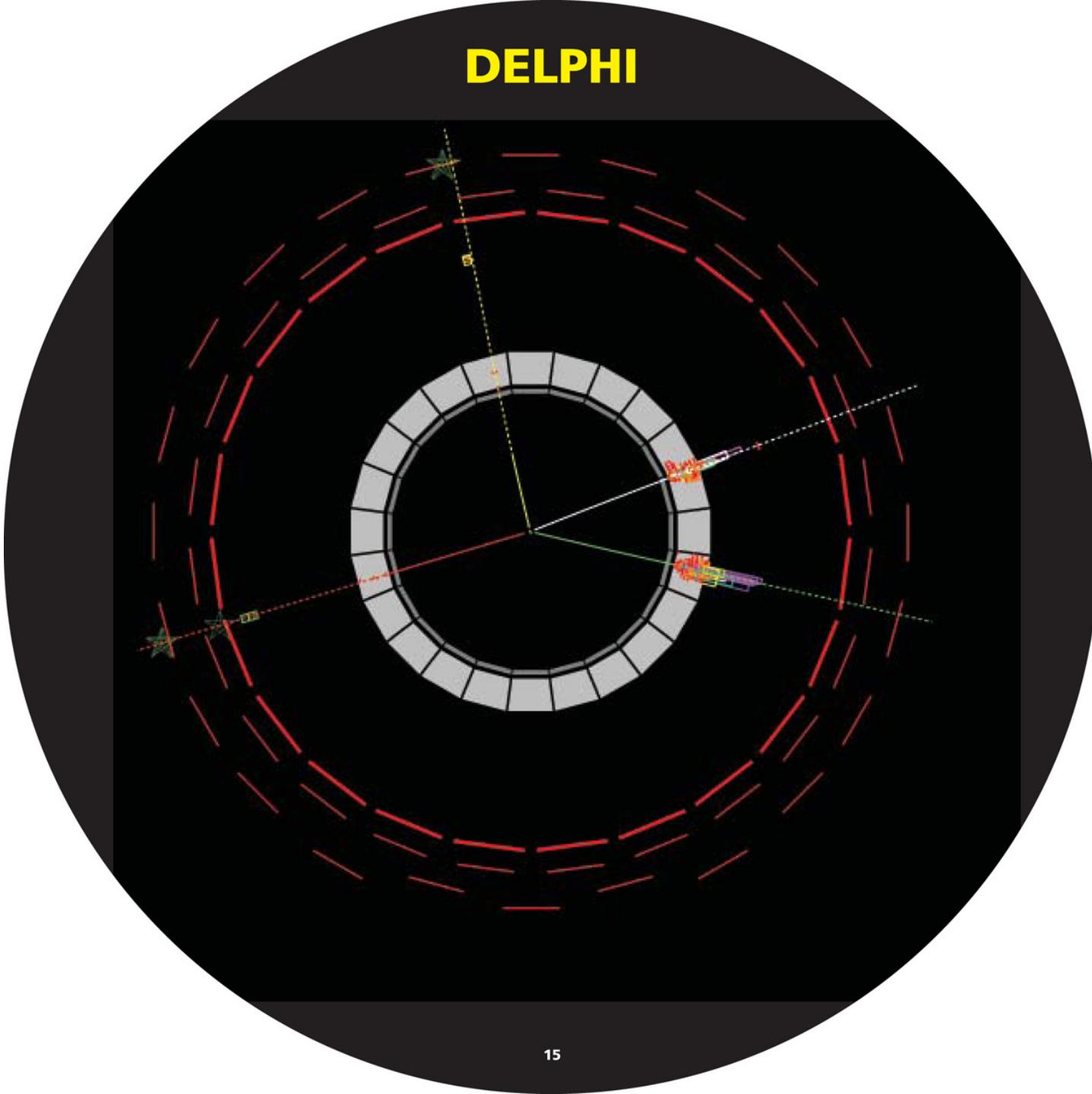
13

## DELPHI



15

# DELPHI



16

# DELPHI

