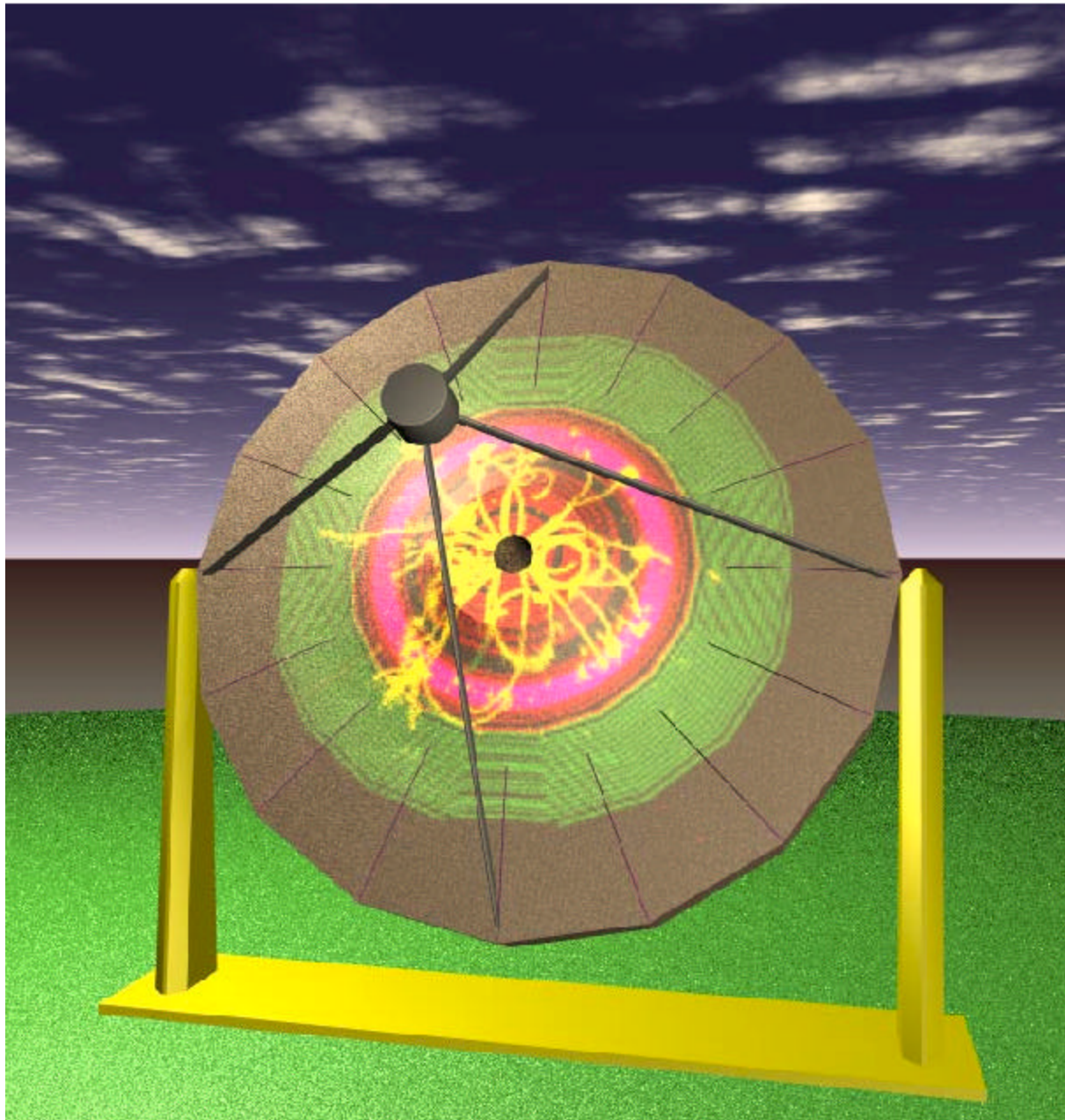


# Démontage des expériences LEP

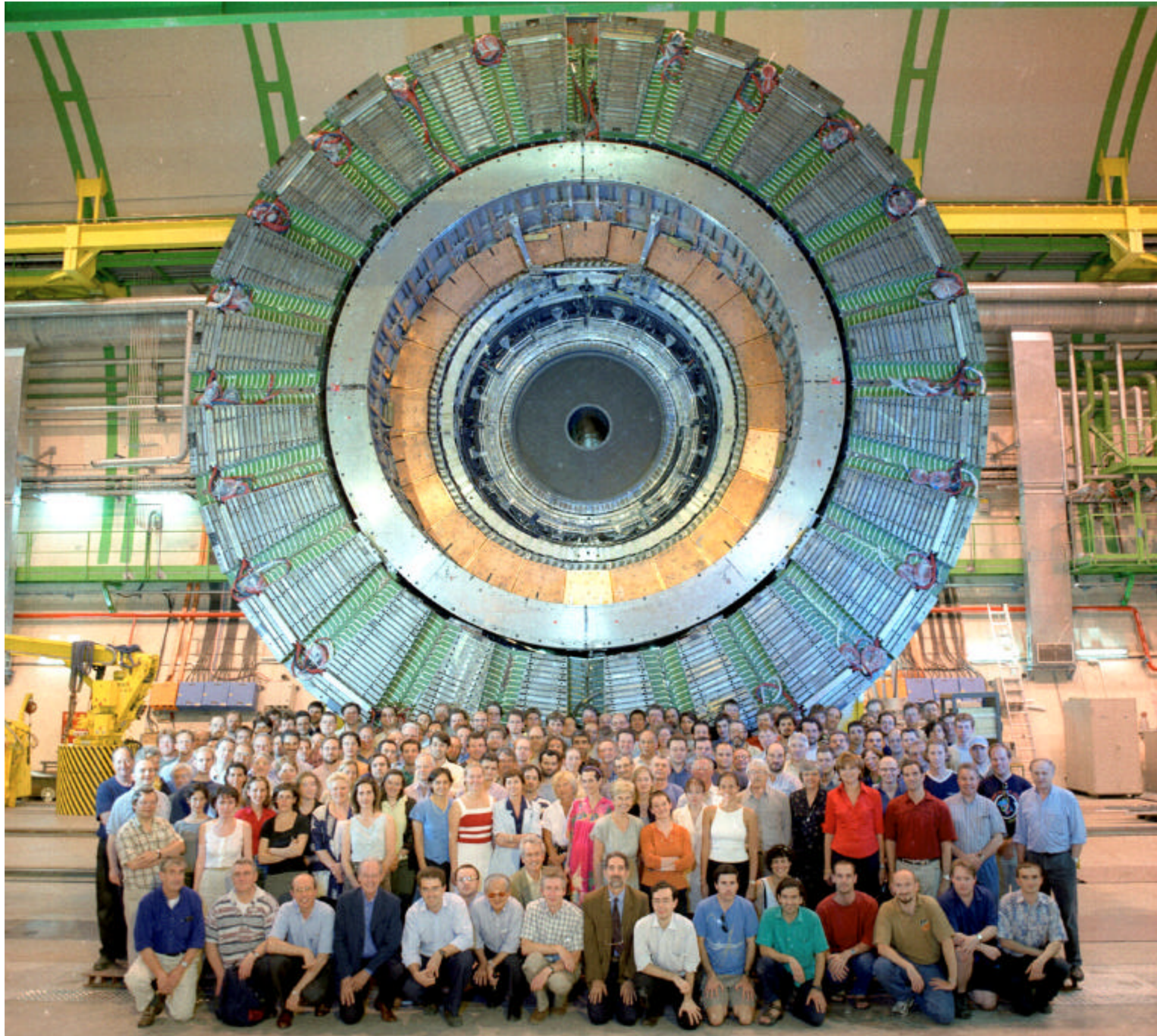
C. Joram, 10 septembre 2001

	<b>ALEPH</b>	<b>DELPHI</b>	<b>L3</b>	<b>OPAL</b>
Type de démontage	Total. Un « End-Cap » est conservé pour une exposition dans le Pays-de-Gex. (Voir figure 1)	Partiel. Partie reste comme futur site de musée. (Voir figures 2 et 3)	Partiel. Partie reste pour future expérience ALICE.	Total
Activités de démontage	finies	finies	L3 : finies ALICE continue depuis 15 juin. Fin provisoire : 15 septembre 2001	finies
Enlèvement du matériel	fini	fini	En cours (tube de support). (Voir figure 4)	En cours. 90% complété.
Planning respecté	oui	oui	oui	oui
Nombre des accidents	0	0 (1 cheville foulé)	0 - 1 (1 câble coupe sous tension 220 V, pince isolée)	4 (1 personne blessée (jambe), bobine d'aimant roulée de la remorque)
Responsabilité de la zone UX (sept 2001)	Génie civil	Génie civil / LHCb	ALICE	Génie civil



## Figure 1

The segments of one ALEPH endcap have been reserved for a possible exhibition project at an appropriate place in the Pays de Gex, e.g. a round about of a main road. This artistic view by Sergio Cittolin shows a possible arrangement with physics events projected on the endcap.



## Figure 2

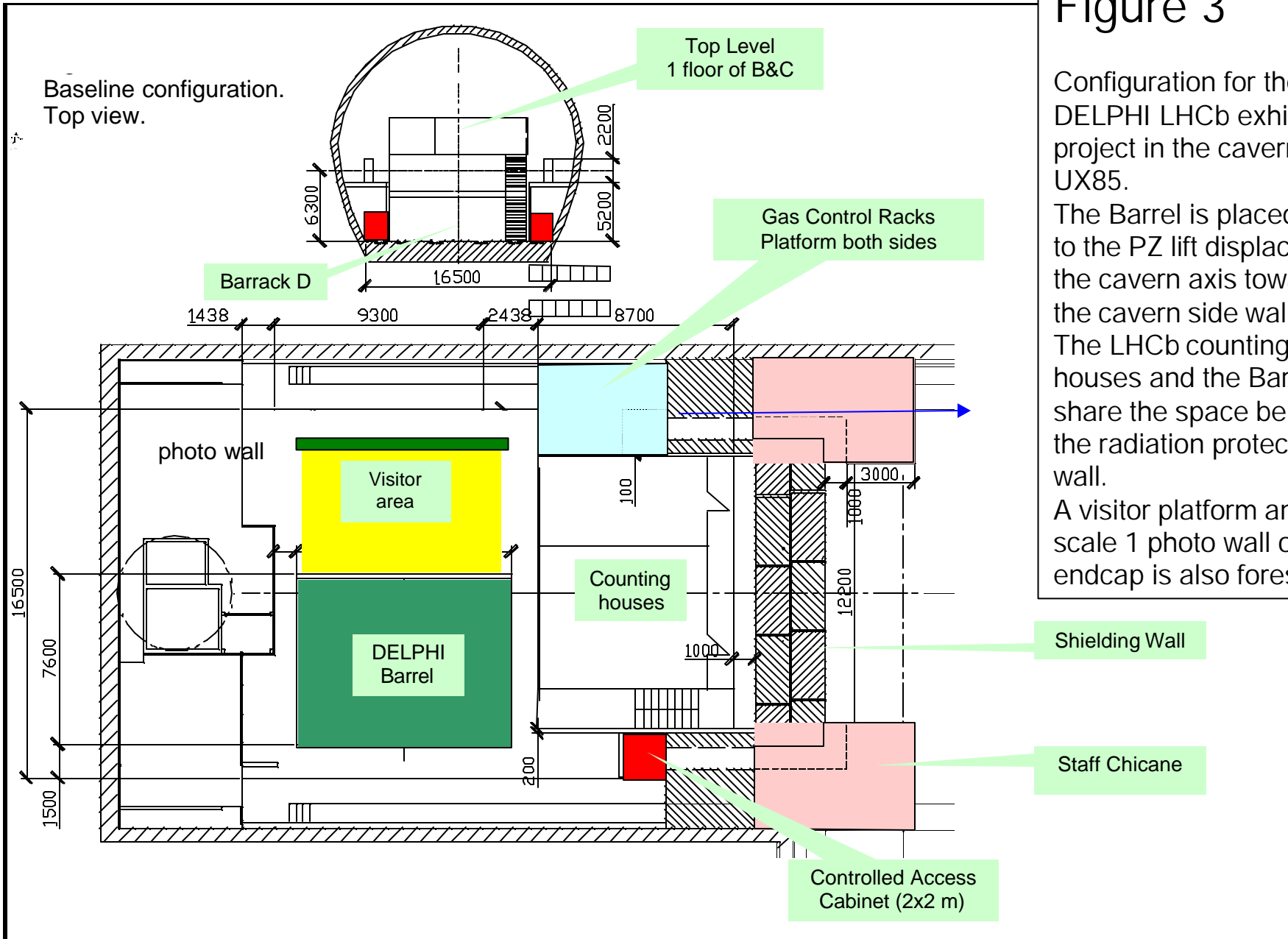
Part of the DELPHI collaboration in front of the "Barrel" as it is kept for the DELPHI-LHCb exhibition project.

The outer muon chamber layers have been dismantled. Most of the cables have been cut to give view to the detector components.

Some components will be cut open to show their interior.

# Figure 3

Configuration for the DELPHI LHCb exhibition project in the cavern UX85. The Barrel is placed close to the PZ lift displaced off the cavern axis towards the cavern side wall. The LHCb counting houses and the Barrel share the space behind the radiation protection wall. A visitor platform and a scale 1 photo wall of an endcap is also foreseen.





## Figure 4

Preparatory work for the cutting and removal of the L3 support tube (300 tons). The work is organized and carried out under the responsibility of the ALICE collaboration.

# Overall Résumé

- All 4 experiments secured, dismantled, and material dispatched as planned
- About 10.000 tons of material
- “Only” 1 accident with personal injury
- The fact to be an “INB” did not cause major problems
- No activated material found - good job by radiation protection technicians
- Integration of outside institutes worked: very well (DELPHI), well (ALEPH, L3), not so well (OPAL)
- Good collaboration between collaborations - CERN groups - temporary industrial personnel
- Little noticeable interference with machine dismantling
- Recycling company was cooperative and flexible, but somewhat underestimated the dimension of the project

# Experiments dismantling and ST

ST/HM: Main load. Very positive comments from all experiments

- new crane men well integrated in existing teams
- basic skills could / had to be improved in small teams
- no motivation problems
- Many transports on CERN site and heavy transports to zone in Peney. Very flexible and efficient !
- Some problems with maintenance of cranes (UX) and LASTRA platforms.
- Initial worries (new contract / new personnel / aged equipment ) were not justified.

ST/EL: "Mise en sécurité" of experiments was quickly done. About 1 day / experiment.  
Some communication problems before dismantling. Many emails/memos/phone calls.

ST/AA: Transfer of alarms (UX) well organized and implemented.  
Access control system: commissioning of new system during securing/dismantling phase.  
Problems arising from 2 access lanes dragged on until January 2001.

ST/CE: Point 8. SHM8 building completed in time. Some trouble before dismantling, but very little interference during dismantling.

What's left ?

My last job as coordinator of the experiments dismantling :

Organize a common dismantling party for all participants.  
(financed by EP division).

End of September / beginning of October

