

## DT CHAMBERS: Proposal for Label on Carter

- with thanks to G. Bencze for discussions and suggestions -

Hans Reithler  
040430

## Need:

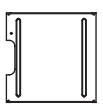
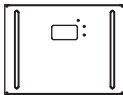
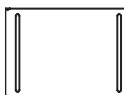
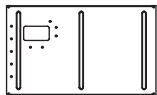
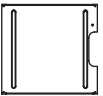
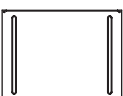
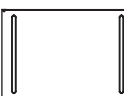
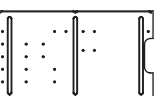
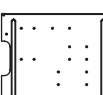


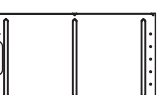

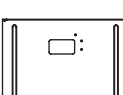

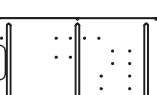
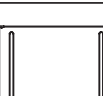

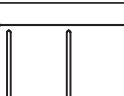
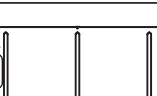


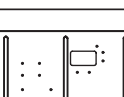
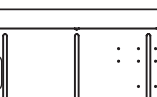
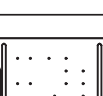

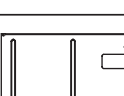
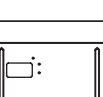

Identify the installed chambers with a label

Label should provide

- Chamber position e.g. MB/-2/1/12
- Chamber type e.g. MB/w/1/s +Z Left
- Bar code
- Assembly site e.g. CIEMAT/Madrid, logo
- Survey code e.g. 063
- Label should be visible on installed chamber
- Label should be large
- Label should be cheap and readily done in house
- Label should have same size and structure for all chambers

# Task (II)

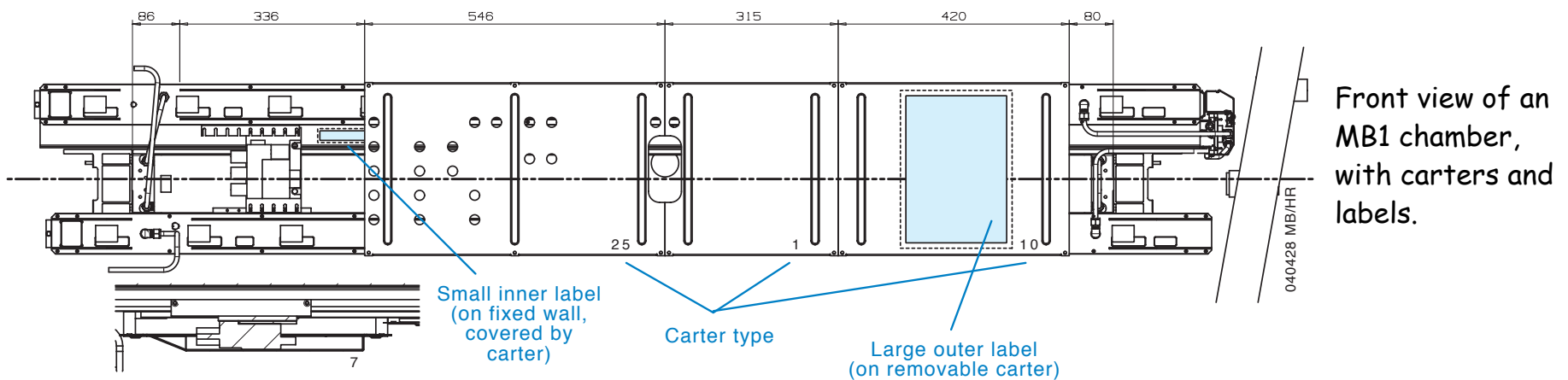
Only carters will be visible...  
but there are many types and removable; may get mixed up during maintenance

 ① 315_1+L L:315 q.30	 ⑨ 420_2-R_1 L:420 q.15	 ⑯ 441_2+L_3 L:441 q.45	 ⑳ 525_3-L q.15 L:525
 ② 336_2-R L:336 q.15	 ⑩ 420_2-R_2 L:420 q.60	 ⑰ 462_2-L_1 L:462 q.45	 ㉕ 546_1+L q.15 L:546
 ③ 399_1+R L:399 q.15	 ⑪ 420_2-L L:420 q.15	 ⑱ 462_2-L_2 L:462 q.60	 ㉖ 567_2+R q.15 L:567
 ④ 399_2+R_1 L:399 q.45	 ⑫ 441_1+R_1 L:441 q.30	 ⑲ 462_2-L_3 L:462 q.30	 ㉗ 567_3-R q.15 L:567
 ⑤ 399_2+R_2 L:399 q.45	 ⑬ 441_1+R_2 L:441 q.30	 ㉚ 504_3+R L:504 q.15	 ㉘ 588_2-R q.15 L:588
 ⑥ 420_1-R_1 L:420 q.15	 ⑭ 441_1-L L:441 q.15	 ㉛ 504_3+L L:504 q.15	 ㉙ 588_3+R q.15 L:588
 ⑦ 420_1-R_2 L:420 q.15	 ⑮ 441_2+L_1 L:441 q.15	 ㉜ 504_3-R L:504 q.15	
 ⑧ 420_2+R L:420 q.30		 ㉝ 525_1-L L:525 q.15	File: 040318table_carters.pdf from M. Benettoni

040318

## Proposal:

- Attach ~A4 size autoadhesive label on carter
- Identify chamber and carter segments with another (small) label on chamber body



Front view of an MB1 chamber, with carters and labels.

This 2-label method permits to have a well visible label to identify the chamber, but also to have a non-removable label identifying chamber and carters.

Method: can edit template on PC and print on any printer; then seal with autoadhesive foil.

# Proposal (II)

This 2-label method permits to have a well visible label to identify the chamber, but also to have a non-removable label identifying chamber and carters.

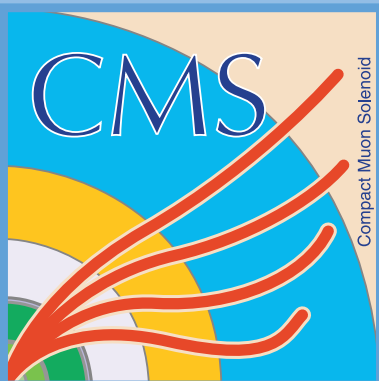
Here the small label (193 mm x 23 mm):



carter numbers and positions

It has been suggested to attach a copy of this small label on the rear side of the chamber.

And here the large label (230 mm x 160 mm):



# CMS Barrel Muon Chamber

Assembled at:



Barcode:



35101010040045

DT chamber type: Wheel: Serial: Services:

**MB/w/1/s -z 045**



Survey code:

**063**

DT chamber installed at:

Wheel:

Station:

Sector:

# MB/-2/1/12

HF 040430

paper: 230 mm x 160 mm; transparent adhesive: 248 mm x 176 mm

An early proposal on the same subject, for comparison:

<p>Here is the barcode</p> <p>351030100500019</p> <p>Chamber type: MB/W/2/S/+ / Right</p>	<p>Lab. code: XXXXL</p> <p>Survey code: 063</p>
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File: ChamberStickerDraft040129ZS.ppt  
by Zoltan Zsillasi; received 0403 HR