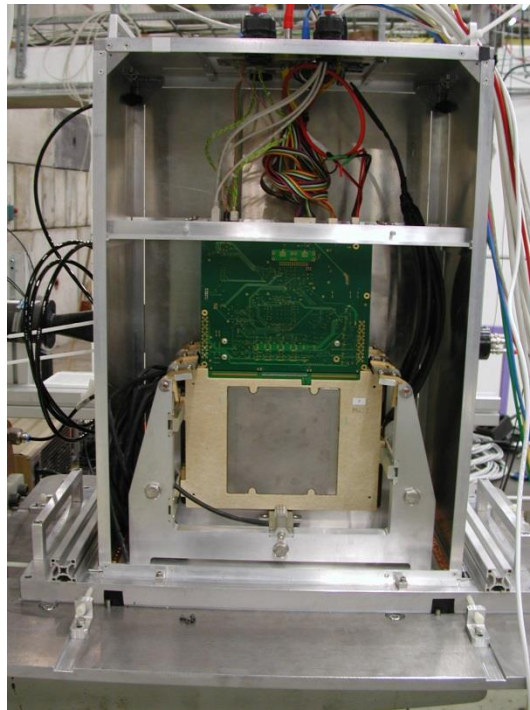


FCAL TEST BEAM

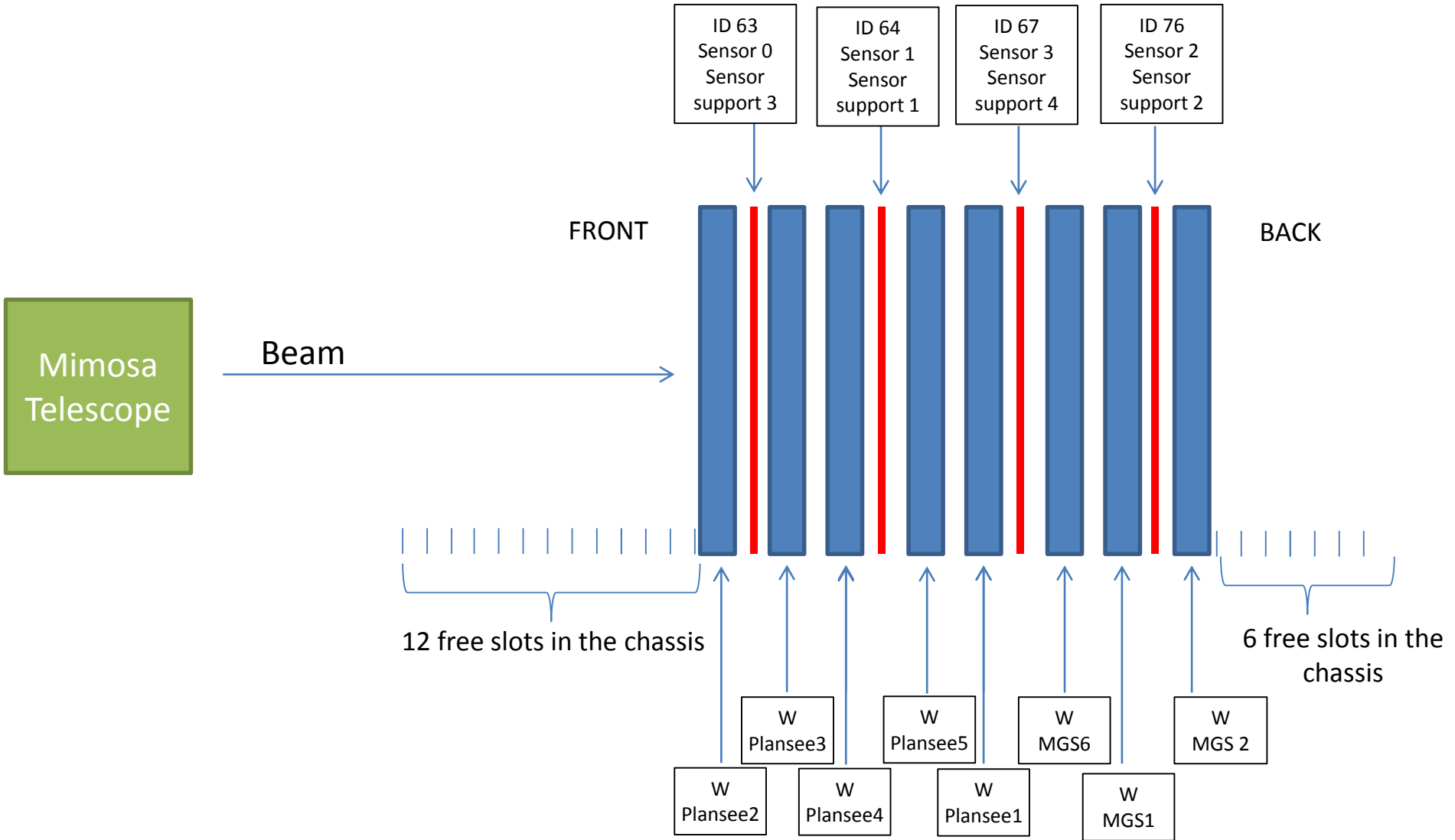
CERN

22-29 October 2014

Calorimeter layout
François-Xavier Nuiroy



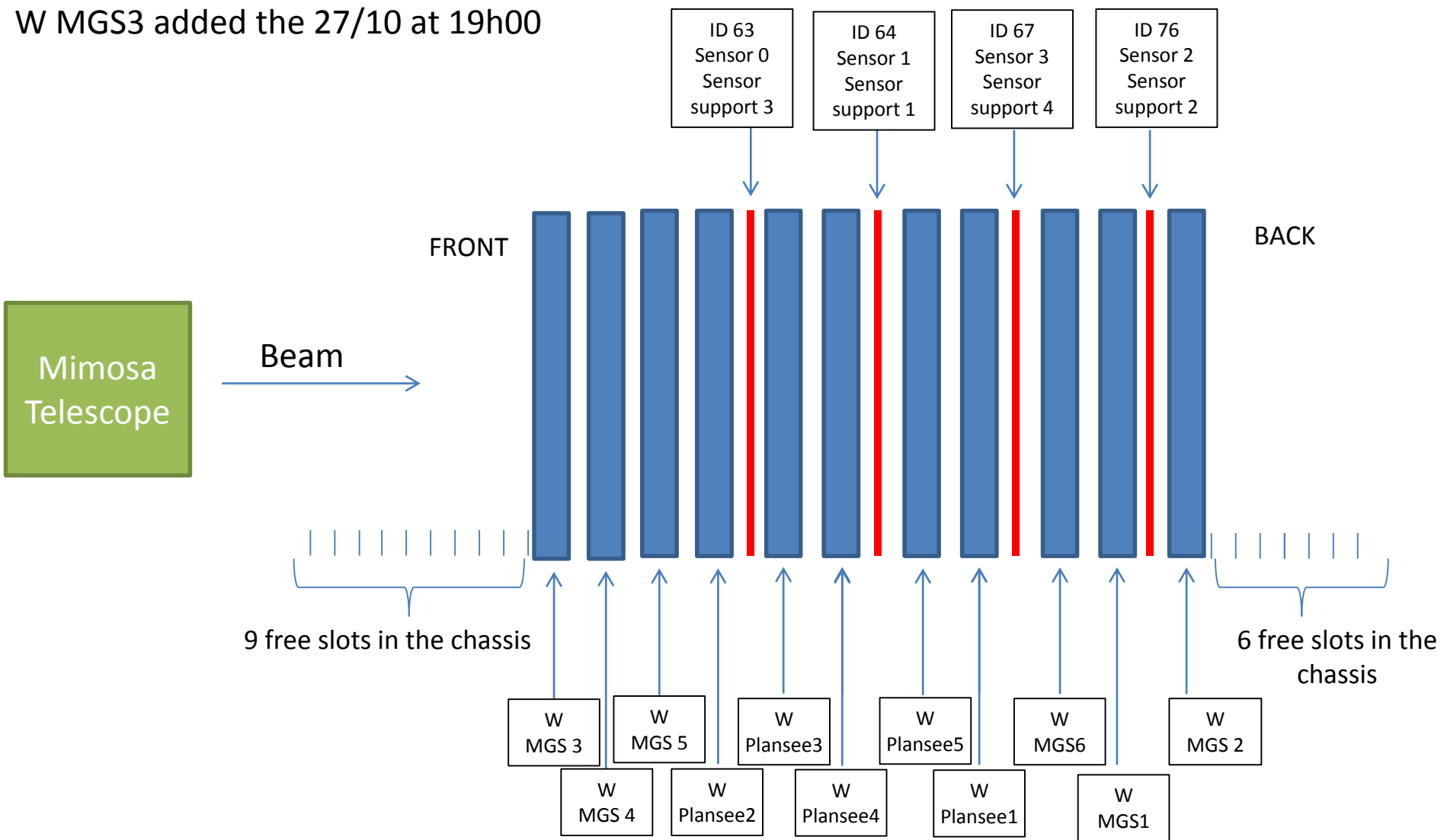
Tungsten stack from 22/10/2014 to 26/10/2014



Tungsten stack from 26/10/2014

W MGS5 and MGS4 added the 26/10/2014 at 11h20

W MGS3 added the 27/10 at 19h00



Information about W plates:

Brand	Tungsten Alloy	Density	Chemical composition		
			W	Ni	Cu
Plansee	Inermet 180	18	95%	?	?
MGSanders	WH9375C	17.7	93%	5.25%	1.75%

Plate	average thickness (9 measurement points)	largest distance between “holes” and “hills”
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Plansee1	3.505 mm	0.130 mm *
Plansee2	3.470 mm	0.078 mm
Plansee3	3.520 mm	0.057 mm
Plansee4	3.475 mm	0.059 mm
Plansee5	3.490 mm	0.031 mm

* due to a local problem in one corner

MG1	3.584 mm	0.250 mm
MG2	3.521 mm	0.160 mm
MG3	3.542 mm	0.240 mm
MG4	3.566 mm	0.426 mm
MG5	3.645 mm	0.431 mm
MG6	3.470 mm	0.125 mm