

# Madrid Status Report

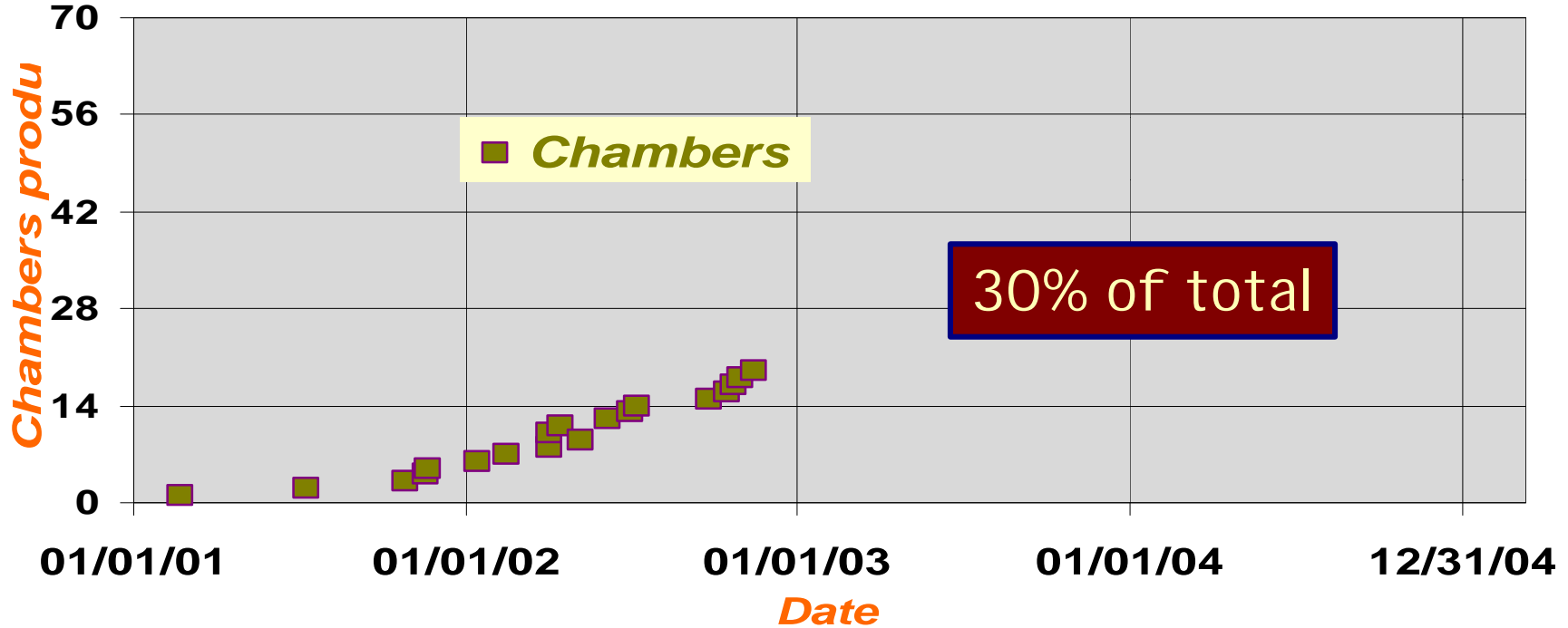
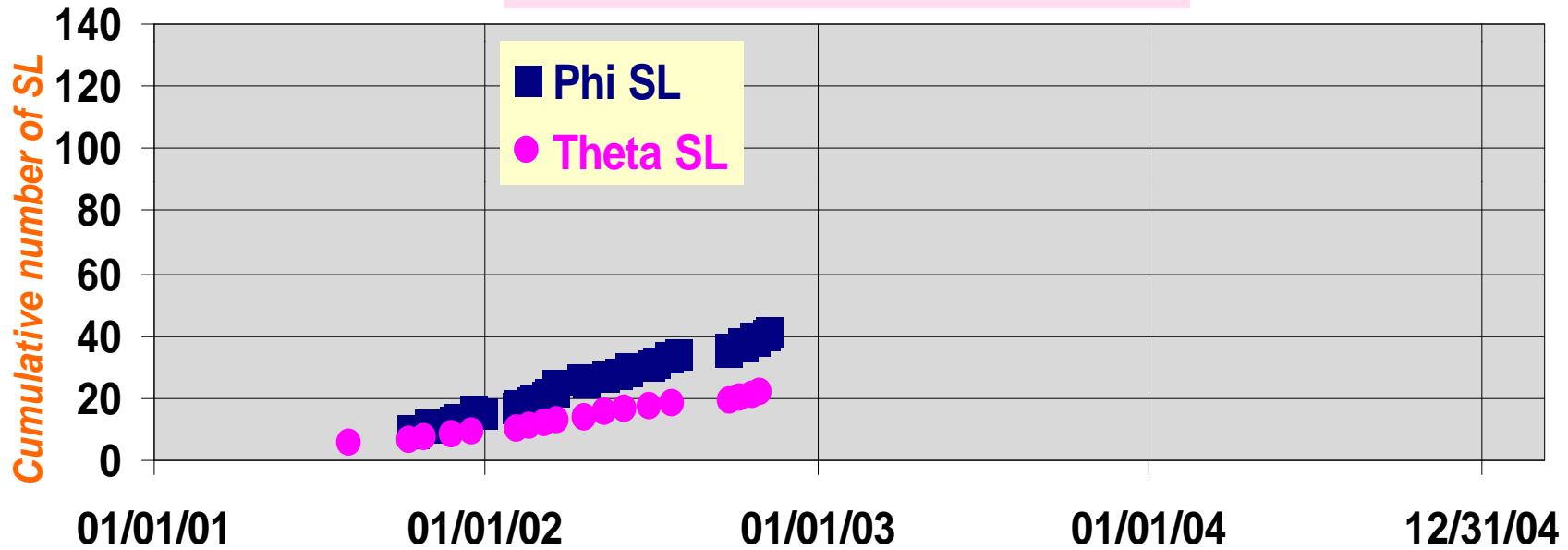
Mary-Cruz Fouz  
CI EMAT-Madrid

CMS Week Dec02

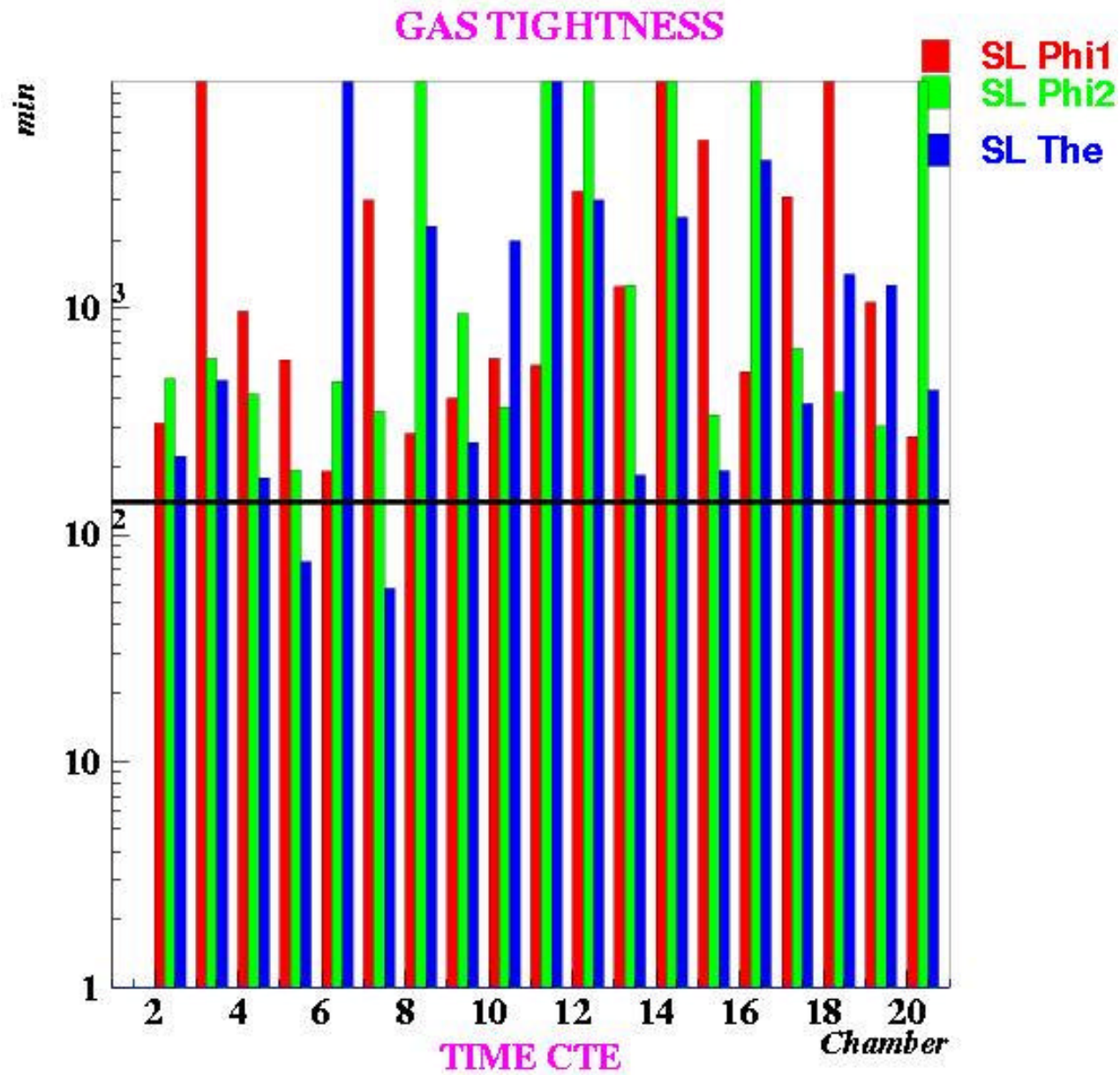
# Chamber construction Status

		COMPLETED				
		CERN	CIEMAT	SLs Tested	SLs Mechanically assembled	SLs Being assembled
CHAMBER Serial Number	#1 to #19	#20	#21	#22	#23	

# MB2 Production Rate

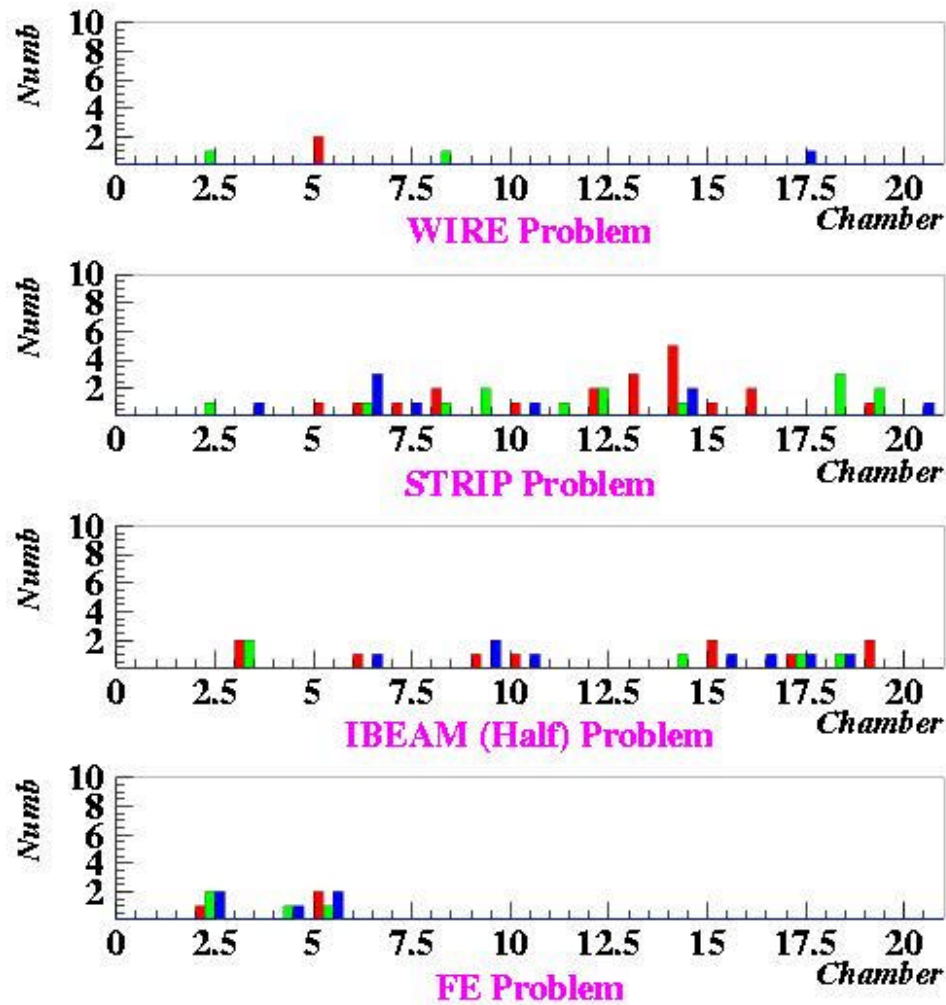


# SL Tests - Gas Tightness

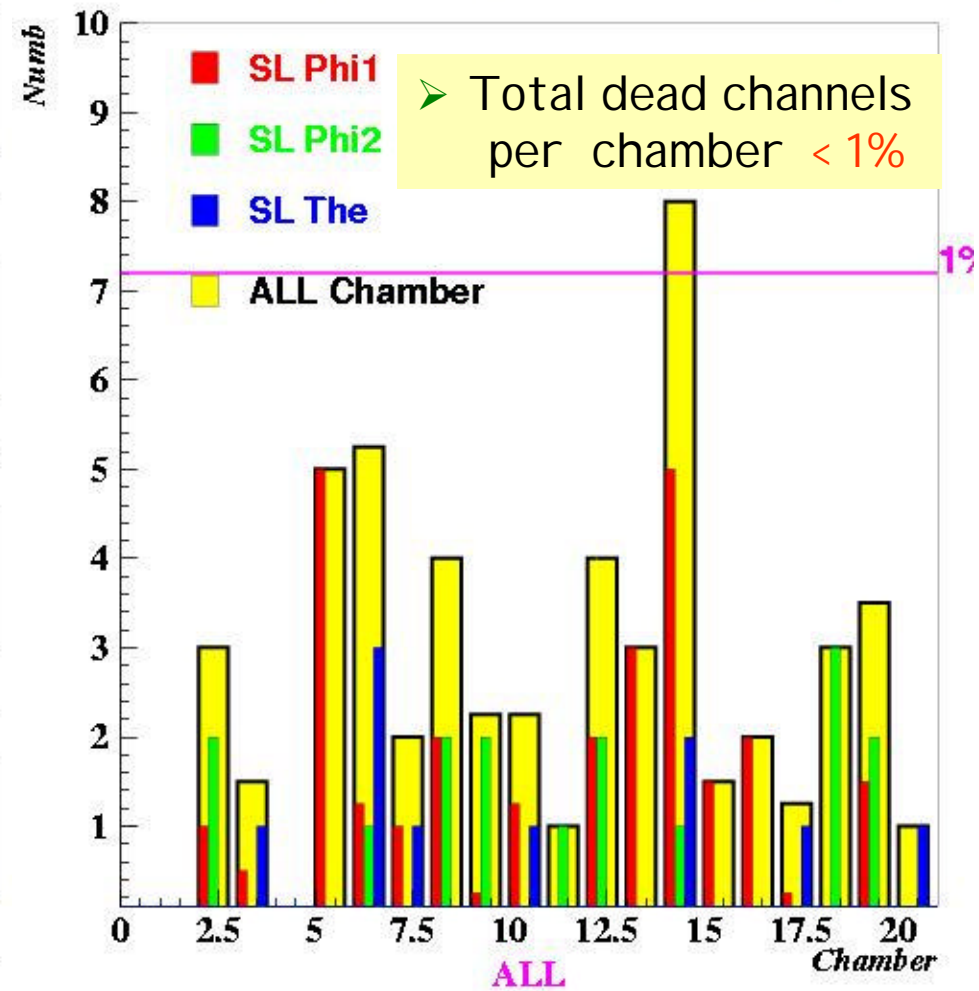


# SL Tests - Disconnected Channels

DISCONNECTED CHANNELS



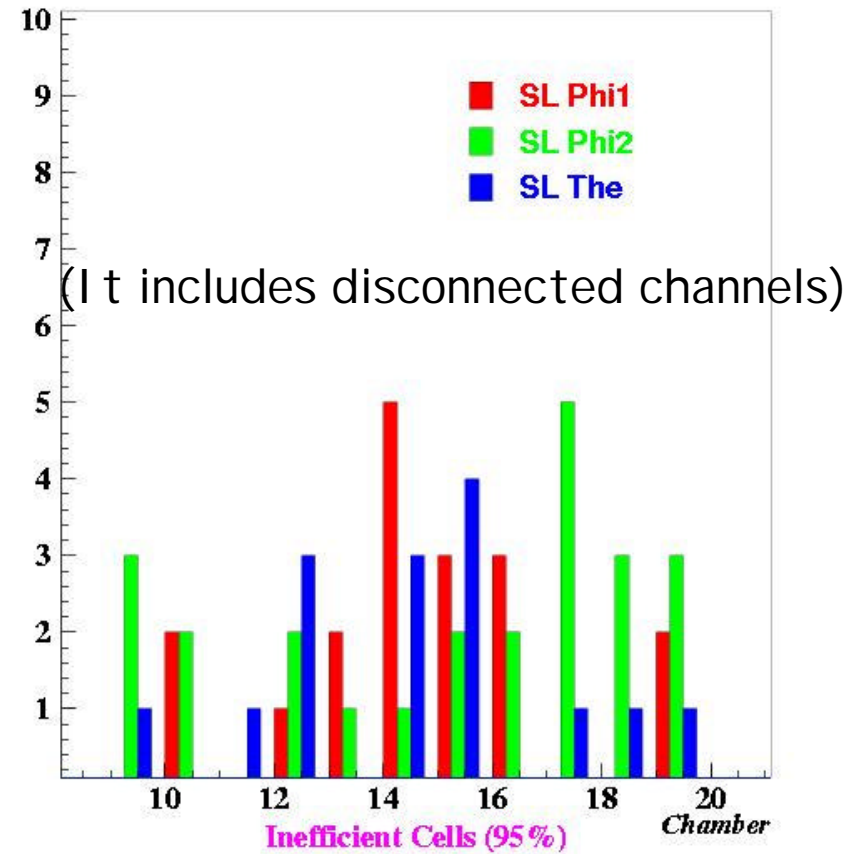
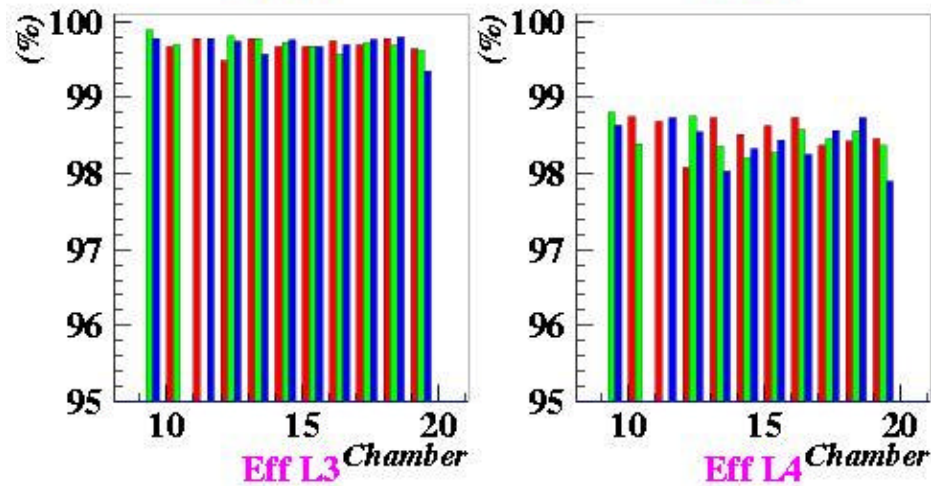
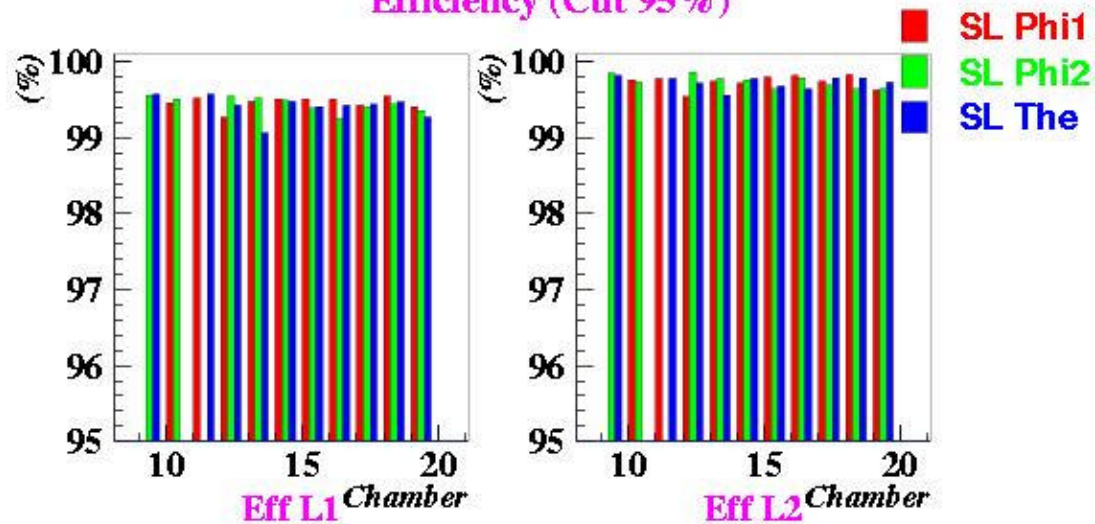
DISCONNECTED CHANNELS



# Efficiency

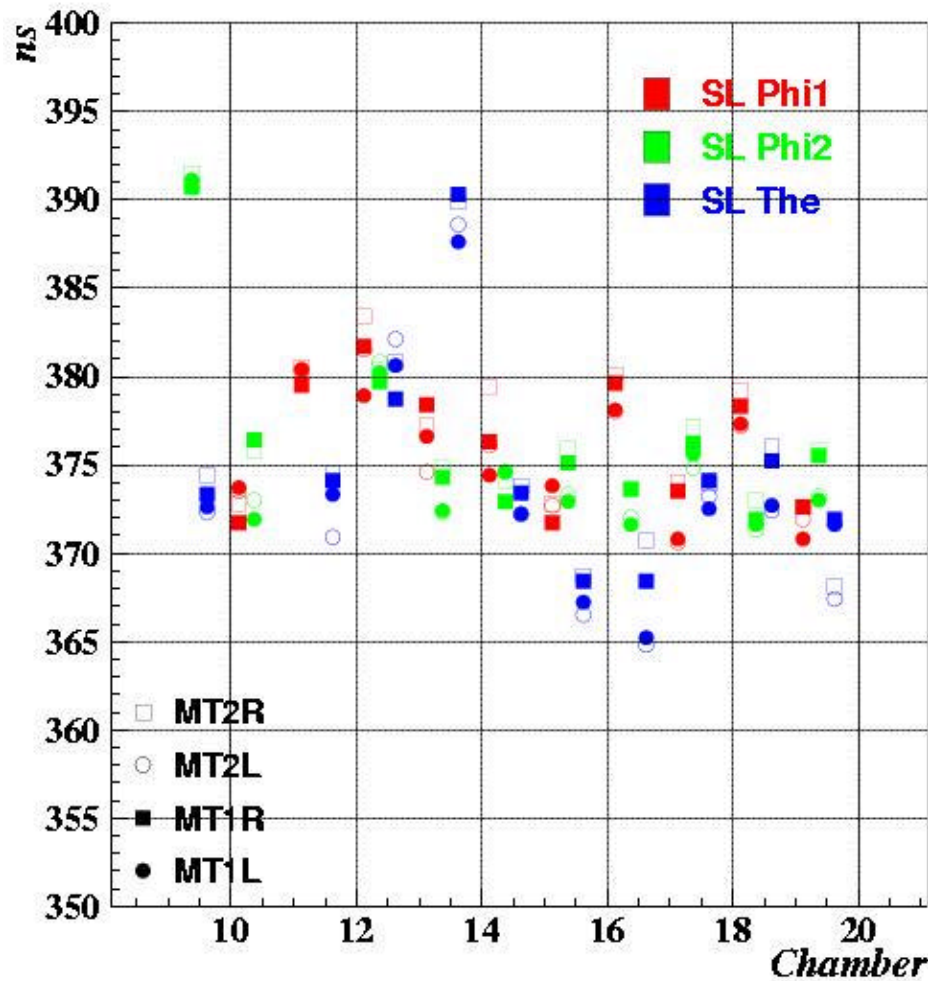
Efficiency (Cut 95%)

L1,L2,L3, Eff > 99 %  
L4 Eff > 98 %

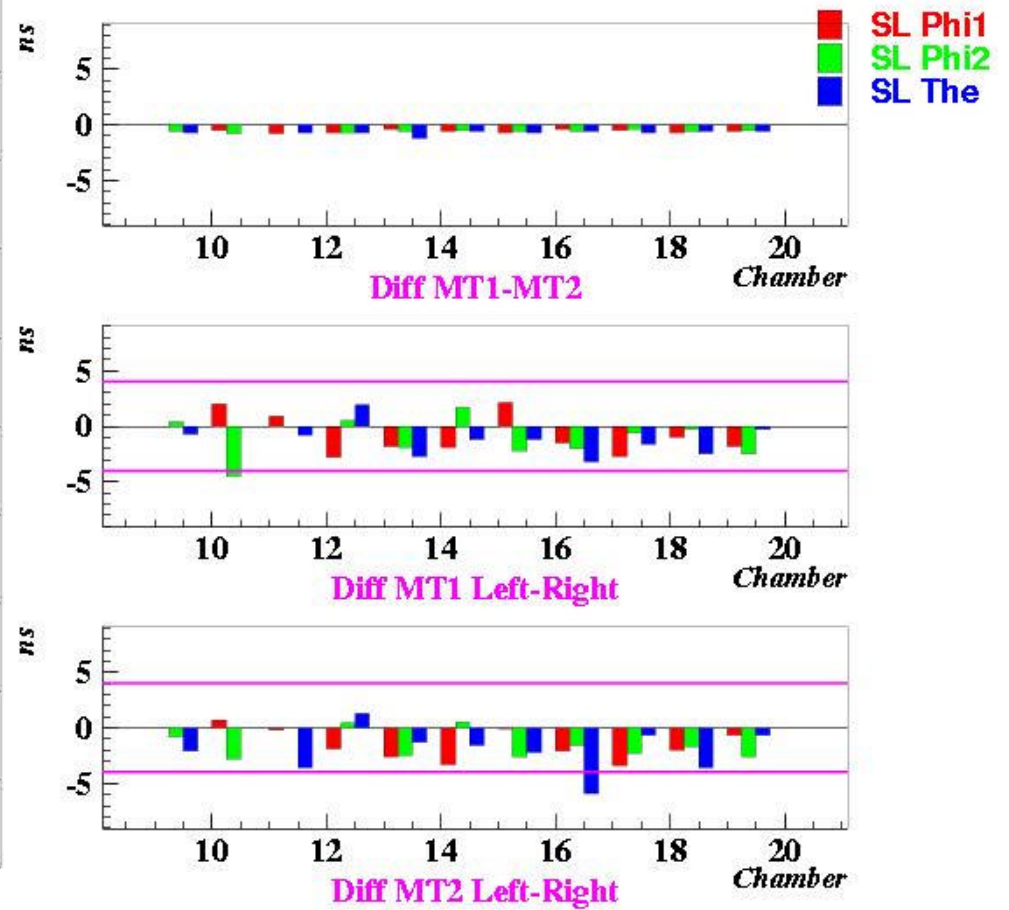


Meantimers

# Mean Timers



Meantimers

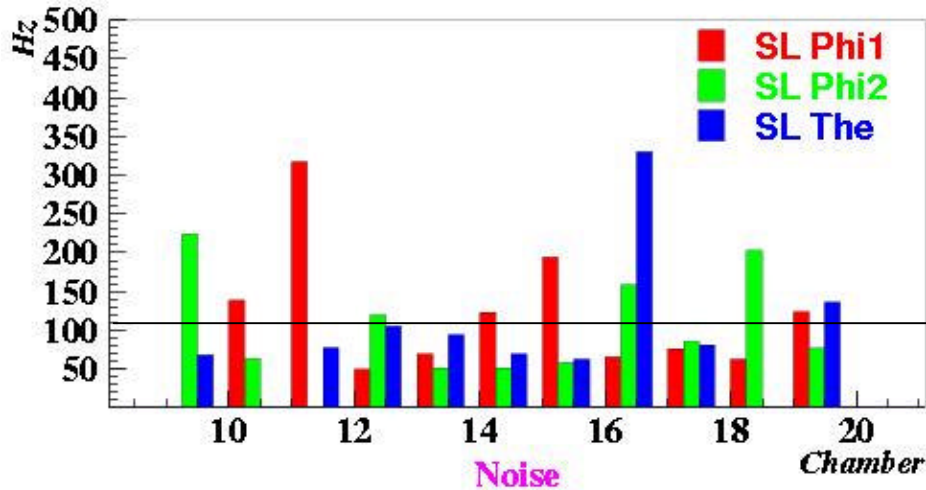


Differences in MT  $< 4\text{ns}$   $\rightarrow$   $< 100\ \mu\text{m}$  layer shift

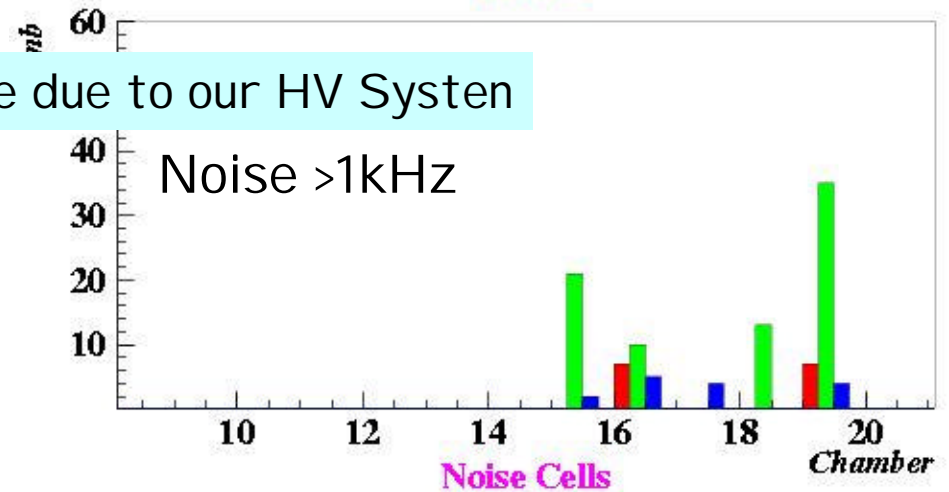
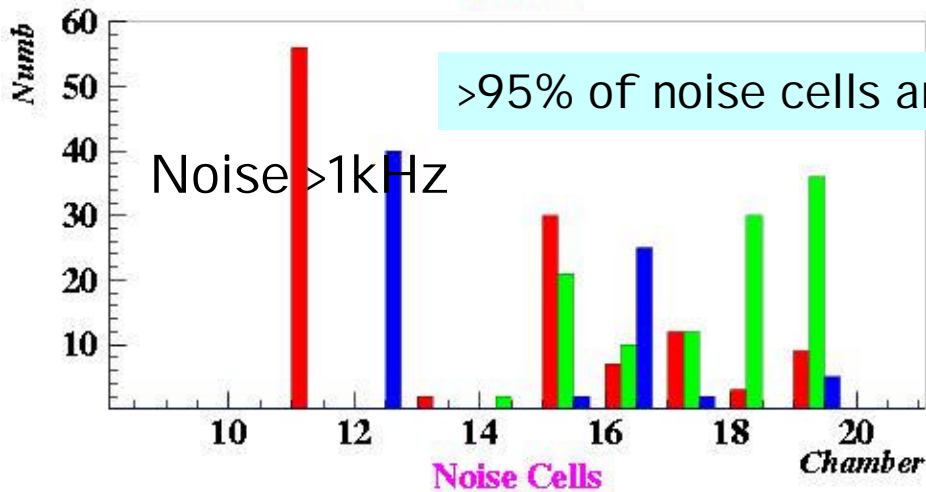
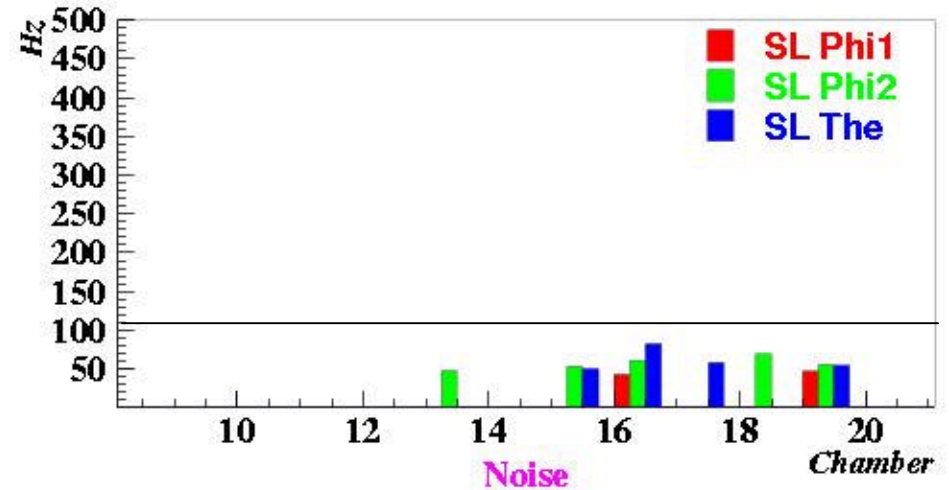


# NOISE

NOISE HV: 3600/1800/1200 15mV



NOISE HV: 3500/1800/1200 15mV

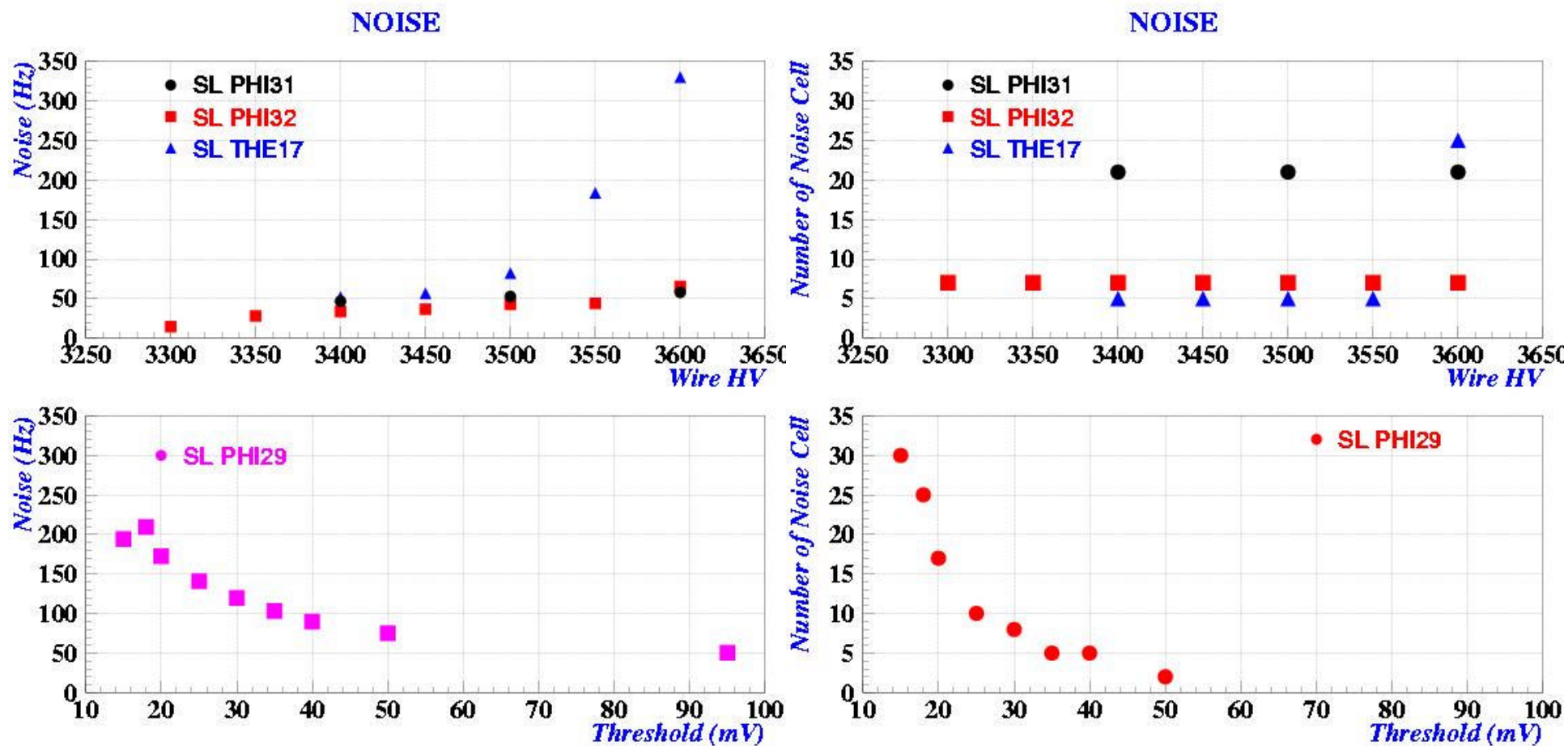


At Madrid 3600V is ~100 V over nominal

The biggest noise values could be also related with how much time the SL was flux with gas.



# Dependence of Noise with Wire HV and Threshold



The noise level depends on HV of wire and on the threshold

The number noisy cells depends on the threshold but not on the wire HV because they are related with our HV System not with the chamber

## Chamber DataBase

New information produced automatically by our  
Analysis programs will be included in a short time at

<http://wwwae.ciemat.es/cms/ChamberDataBase/Welcome.html>