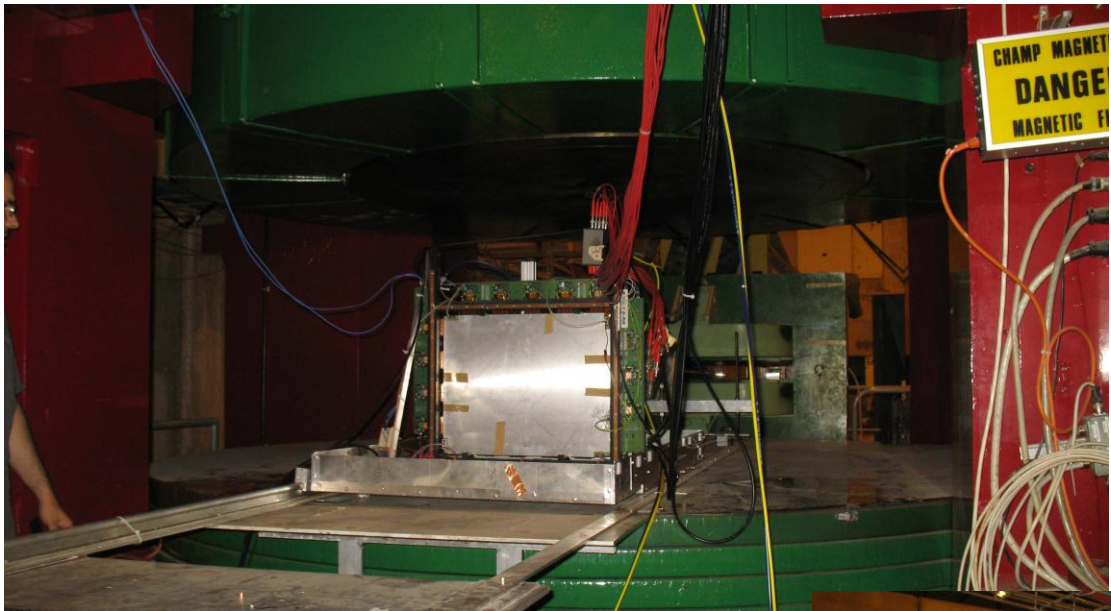


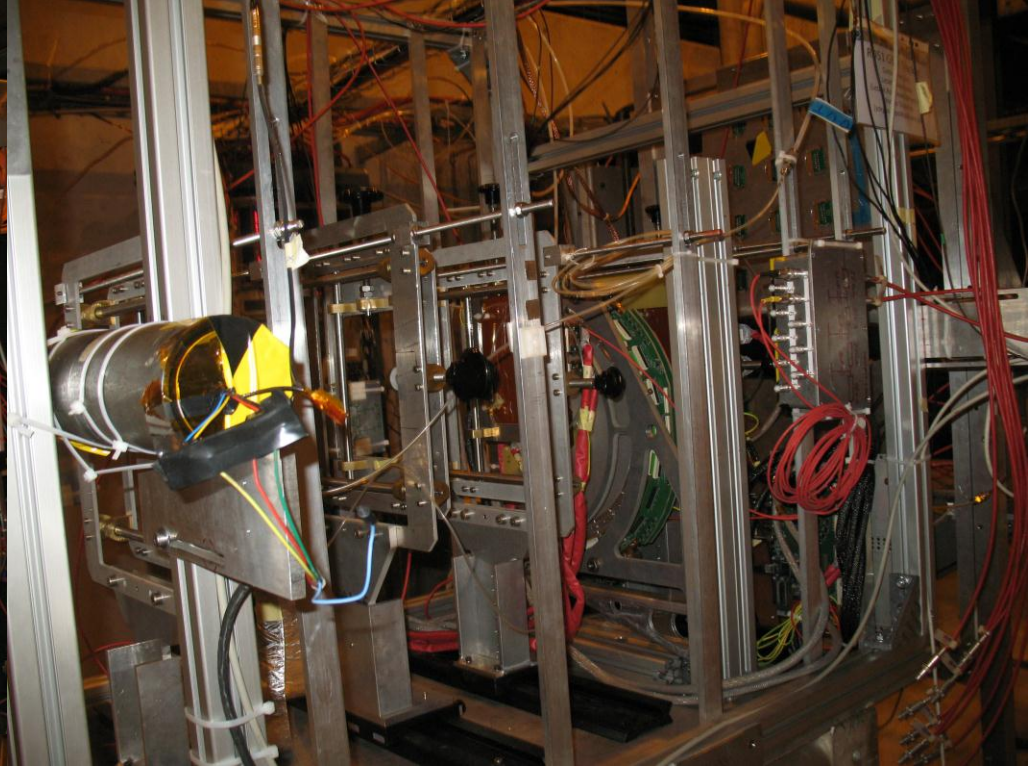
# **WG7 Status**

Yorgos Tsipolitis

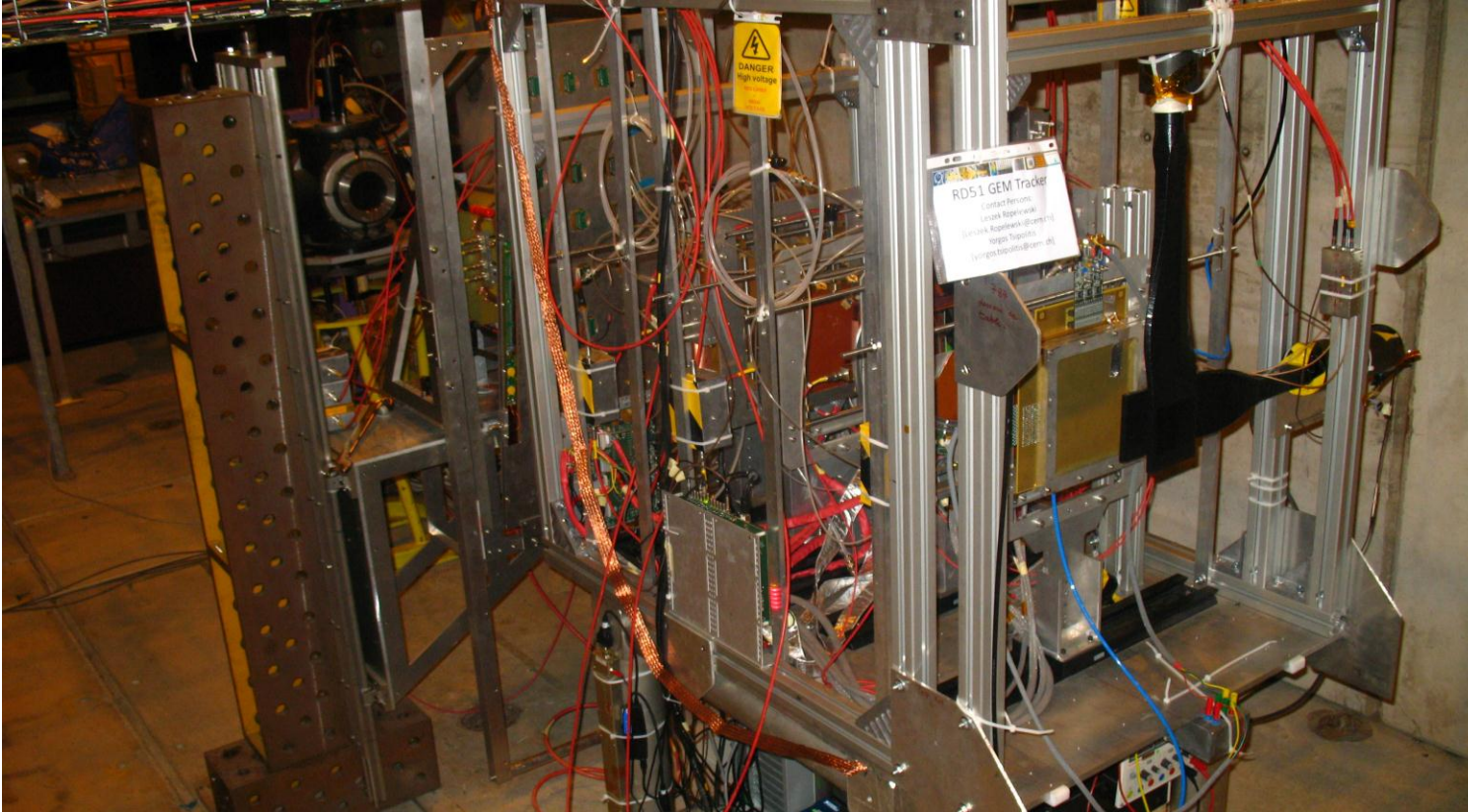


27/6 – 5/7 (2 groups)  
major problem with  
SPS resulted in 4 days  
running





9 – 22/8 (6 groups)  
very smooth running



29/9 – 5/10 (4 groups) smooth running

# Shared Utilities

## Slow Control SYstem

- Introduction
- The Slow Control System
  - Main Interface
  - Group Handling
  - Settings
  - Export
- Offline Data Analysis
  - Gruplot Script
  - ROOT Script

## Introduction

The Slow Control System (SloCSy) was developed for the RD51 Collaboration Test Beam facilities in order to provide an automated complete system which would control and monitor the high voltage channels of the detectors under test.

It is designed to work with CAEN universal multichannel power supply systems (both SY1527 and SY2527) and provides a user friendly interface for configuring and monitoring the high and low voltage channels. In parallel, tools have been developed in order to provide offline analysis with the data accumulated through the test beam periods.

## The Slow Control System

### Main Interface

The main window of the SLOW Control System is displayed below. Through that, general informations (status, voltage, current) about the high voltage channels are available.

The status of each channel with a color coded background of its name is displayed. The color code used is:

- Blue** when a channel is turned off
- Green** when a channel is turned on
- Flashing red** when a channel has tripped

Channel	V	µA	V	µA	V	µA	V	µA	V	µA	V	µA	V	µA	V	µA	V	µA	V	µA	V	µA	V	µA	V	µA	V	µA	V	µA	V	µA	V	µA							
M001	1.0	0.00	M002	0.0	0.00	M003	4.20	0.004	M004	4.20	0.004	M005	4.20	0.004	M006	4.20	0.004	M007	4.20	0.004	M008	4.20	0.004	M009	4.20	0.004	M010	4.20	0.004	M011	4.20	0.004	M012	4.20	0.004						
M013	1.0	0.00	M014	0.0	0.00	M015	6.03	0.002	M016	6.03	0.002	M017	6.03	0.002	M018	6.03	0.002	M019	6.03	0.002	M020	6.03	0.002	M021	6.03	0.002	M022	6.03	0.002	M023	6.03	0.002	M024	6.03	0.002	M025	6.03	0.002			
M026	1.0	0.00	M027	0.0	0.00	M028	4.20	0.002	M029	4.20	0.002	M030	4.20	0.002	M031	4.20	0.002	M032	4.20	0.002	M033	4.20	0.002	M034	4.20	0.002	M035	4.20	0.002	M036	4.20	0.002	M037	4.20	0.002	M038	4.20	0.002			
M039	2.0	0.00	M040	0.0	0.00	M041	8.00	0.004	M042	8.00	0.004	M043	8.00	0.004	M044	8.00	0.004	M045	8.00	0.004	M046	8.00	0.004	M047	8.00	0.004	M048	8.00	0.004	M049	8.00	0.004	M050	8.00	0.004	M051	8.00	0.004			
M052	1.0	0.00	M053	0.0	0.00	M054	280.0	0.004	M055	280.0	0.004	M056	280.0	0.004	M057	280.0	0.004	M058	280.0	0.004	M059	280.0	0.004	M060	280.0	0.004	M061	280.0	0.004	M062	280.0	0.004	M063	280.0	0.004	M064	280.0	0.004			
M065	2.0	0.00	M066	0.0	0.00	M067	1961.8	0.004	M068	1961.8	0.004	M069	1961.8	0.004	M070	1961.8	0.004	M071	1961.8	0.004	M072	1961.8	0.004	M073	1961.8	0.004	M074	1961.8	0.004	M075	1961.8	0.004	M076	1961.8	0.004	M077	1961.8	0.004			
M078	3.0	0.00	M079	0.0	0.00	M080	480.3	0.004	M081	480.3	0.004	M082	480.3	0.004	M083	480.3	0.004	M084	480.3	0.004	M085	480.3	0.004	M086	480.3	0.004	M087	480.3	0.004	M088	480.3	0.004	M089	480.3	0.004	M090	480.3	0.004			
M091	1.0	0.00	M092	0.0	0.00	M093	760.8	0.004	M094	760.8	0.004	M095	760.8	0.004	M096	760.8	0.004	M097	760.8	0.004	M098	760.8	0.004	M099	760.8	0.004	M100	760.8	0.004	M101	760.8	0.004	M102	760.8	0.004	M103	760.8	0.004	M104	760.8	0.004
M105	0.0	0.00	M106	0.0	0.00	M107	280.3	0.000	M108	280.3	0.000	M109	280.3	0.000	M110	280.3	0.000	M111	280.3	0.000	M112	280.3	0.000	M113	280.3	0.000	M114	280.3	0.000	M115	280.3	0.000	M116	280.3	0.000	M117	280.3	0.000			
M118	0.0	0.00	M119	0.0	0.00	M120	990.5	0.004	M121	990.5	0.004	M122	990.5	0.004	M123	990.5	0.004	M124	990.5	0.004	M125	990.5	0.004	M126	990.5	0.004	M127	990.5	0.004	M128	990.5	0.004	M129	990.5	0.004	M130	990.5	0.004	M131	990.5	0.004
M132	0.0	0.00	M133	0.0	0.00	M134	380.5	0.002	M135	380.5	0.002	M136	380.5	0.002	M137	380.5	0.002	M138	380.5	0.002	M139	380.5	0.002	M140	380.5	0.002	M141	380.5	0.002	M142	380.5	0.002	M143	380.5	0.002	M144	380.5	0.002	M145	380.5	0.002
M146	1.0	0.00	M147	0.0	0.00	M148	660.5	0.002	M149	660.5	0.002	M150	660.5	0.002	M151	660.5	0.002	M152	660.5	0.002	M153	660.5	0.002	M154	660.5	0.002	M155	660.5	0.002	M156	660.5	0.002	M157	660.5	0.002	M158	660.5	0.002	M159	660.5	0.002
M160	0.5	0.00	M161	0.0	0.00	M162	360.5	0.004	M163	360.5	0.004	M164	360.5	0.004	M165	360.5	0.004	M166	360.5	0.004	M167	360.5	0.004	M168	360.5	0.004	M169	360.5	0.004	M170	360.5	0.004	M171	360.5	0.004	M172	360.5	0.004	M173	360.5	0.004
M174	0.0	0.040	M175	0.0	0.00	M176	801.3	0.002	M177	801.3	0.002	M178	801.3	0.002	M179	801.3	0.002	M180	801.3	0.002	M181	801.3	0.002	M182	801.3	0.002	M183	801.3	0.002	M184	801.3	0.002	M185	801.3	0.002	M186	801.3	0.002	M187	801.3	0.002
M188	0.0	0.040	M189	0.0	0.00	M190	360.5	0.002	M191	360.5	0.002	M192	360.5	0.002	M193	360.5	0.002	M194	360.5	0.002	M195	360.5	0.002	M196	360.5	0.002	M197	360.5	0.002	M198	360.5	0.002	M199	360.5	0.002	M200	360.5	0.002	M201	360.5	0.002
M202	0.5	0.00	M203	0.0	0.00	M204	601.3	0.002	M205	601.3	0.002	M206	601.3	0.002	M207	601.3	0.002	M208	601.3	0.002	M209	601.3	0.002	M210	601.3	0.002	M211	601.3	0.002	M212	601.3	0.002	M213	601.3	0.002	M214	601.3	0.002	M215	601.3	0.002
M216	0.5	0.00	M217	0.0	0.00	M218	360.5	0.004	M219	360.5	0.004	M220	360.5	0.004	M221	360.5	0.004	M222	360.5	0.004	M223	360.5	0.004	M224	360.5	0.004	M225	360.5	0.004	M226	360.5	0.004	M227	360.5	0.004	M228	360.5	0.004	M229	360.5	0.004
M230	1.0	0.00	M231	0.0	0.00	M232	601.3	0.004	M233	601.3	0.004	M234	601.3	0.004	M235	601.3	0.004	M236	601.3	0.004	M237	601.3	0.004	M238	601.3	0.004	M239	601.3	0.004	M240	601.3	0.004	M241	601.3	0.004	M242	601.3	0.004	M243	601.3	0.004
M244	0.0	0.00	M245	0.0	0.00	M246	360.5	0.004	M247	360.5	0.004	M248	360.5	0.004	M249	360.5	0.004	M250	360.5	0.004	M251	360.5	0.004	M252	360.5	0.004	M253	360.5	0.004	M254	360.5	0.004	M255	360.5	0.004	M256	360.5	0.004	M257	360.5	0.004
M258	0.5	0.00	M259	0.0	0.00	M260	601.3	0.004	M261	601.3	0.004	M262	601.3	0.004	M263	601.3	0.004	M264	601.3	0.004	M265	601.3	0.004	M266	601.3	0.004	M267	601.3	0.004	M268	601.3	0.004	M269	601.3	0.004	M270	601.3	0.004	M271	601.3	0.004
M272	1.0	0.00	M273	0.0	0.00	M274	1.8	0.000	M275	1.8	0.000	M276	1.8	0.000	M277	1.8	0.000	M278	1.8	0.000	M279	1.8	0.000	M280	1.8	0.000	M281	1.8	0.000	M282	1.8	0.000	M283	1.8	0.000	M284	1.8	0.000	M285	1.8	0.000
M286	0.5	0.00	M287	0.0	0.00	M288	601.3	0.004	M289	601.3	0.004	M290	601.3	0.004	M291	601.3	0.004	M292	601.3	0.004	M293	601.3	0.004	M294	601.3	0.004	M295	601.3	0.004	M296	601.3	0.004	M297	601.3	0.004	M298	601.3	0.004	M299	601.3	0.004
M300	0.5	0.00	M301	0.0	0.00	M302	601.3	0.004	M303	601.3	0.004	M304	601.3	0.004	M305	601.3	0.004	M306	601.3	0.004	M307	601.3	0.004	M308	601.3	0.004	M309	601.3	0.004	M310	601.3	0.004	M311	601.3	0.004	M312	601.3	0.004	M313	601.3	0.004

# TB 2012

- Aiming again for 3 periods
- No period less than 10 days (preferably 15 days)
- A new umegas telescope will be operational
- One more table available
- Send requests for beam & “things needed”