



ACTIVITY IN 904

AHMED IBRAHIM

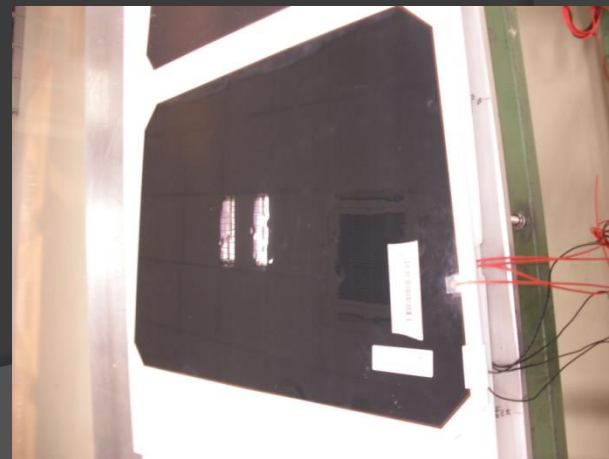
Reconstruction of RPC

In 904 we reconstructing the RPC

1st we make testes for gaps



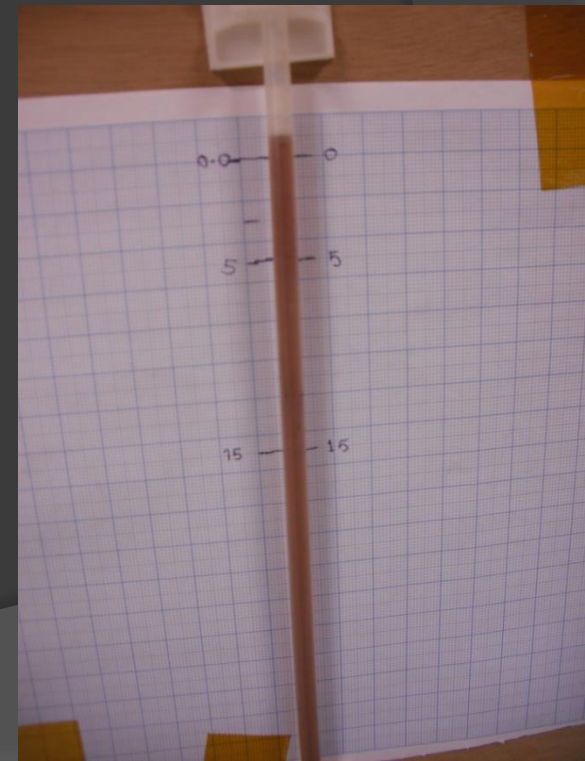
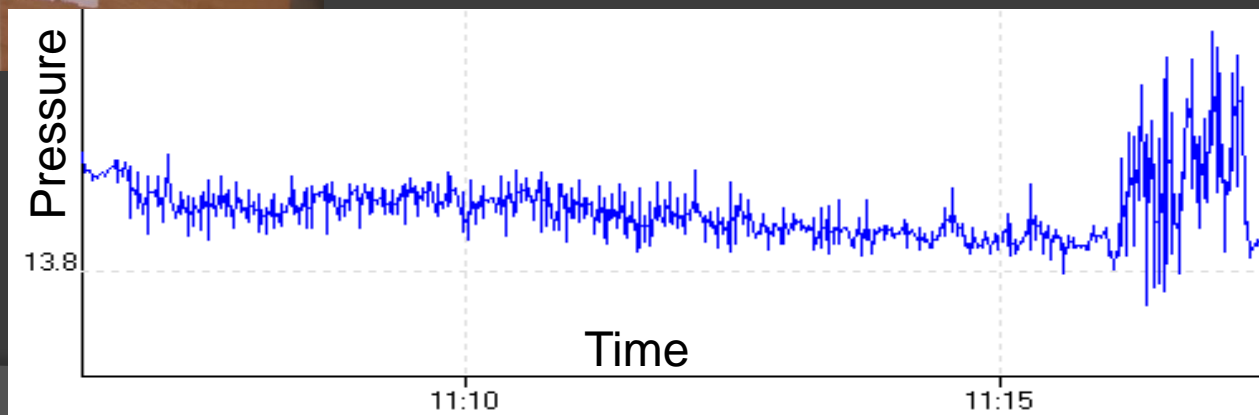
Visual test

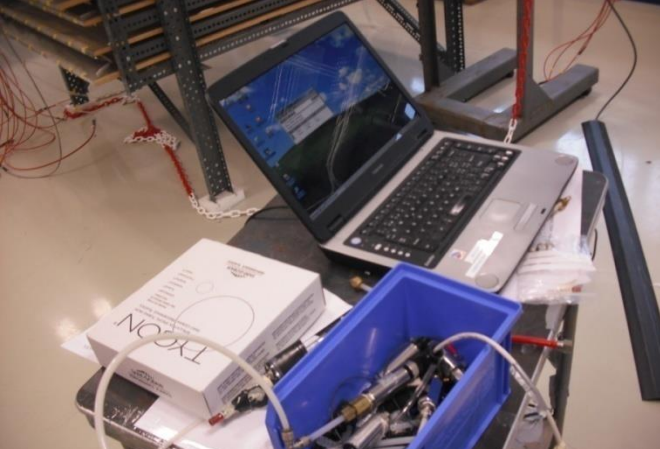


Leak test

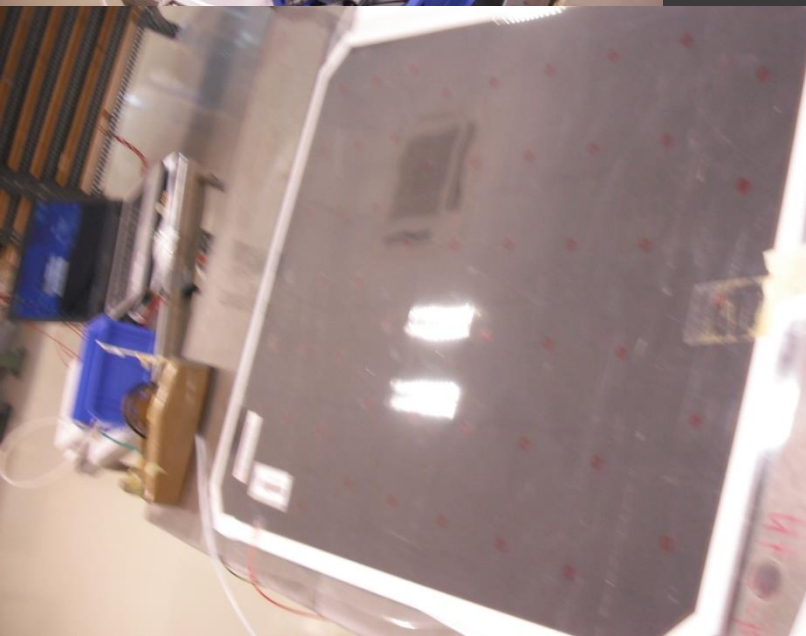
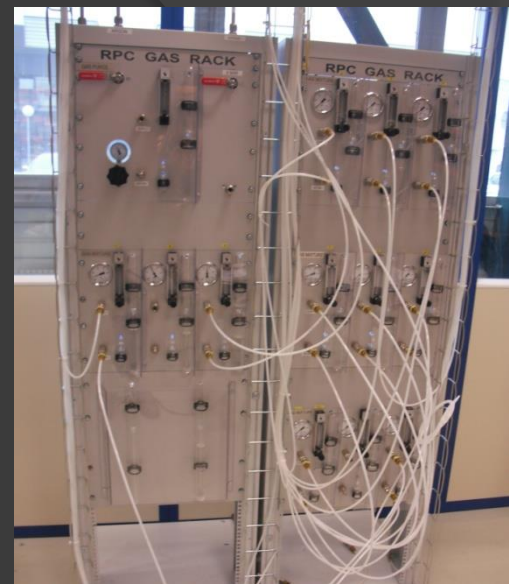


5 mbar by U tube
15 mbar by PLW Recorder



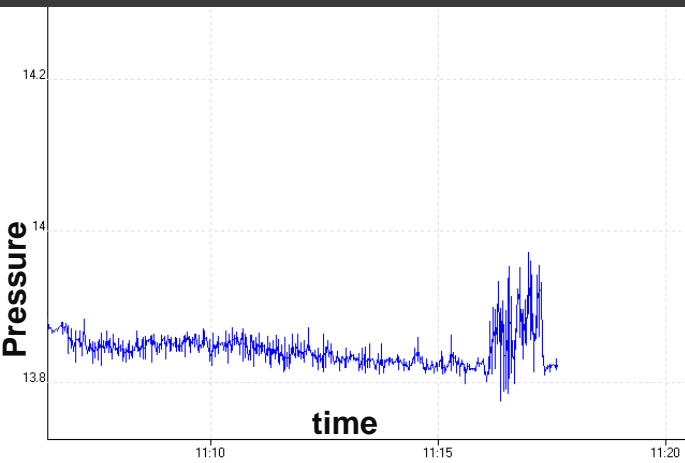
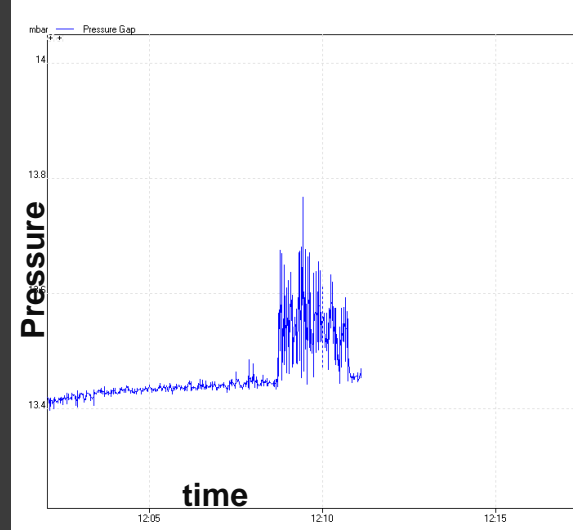
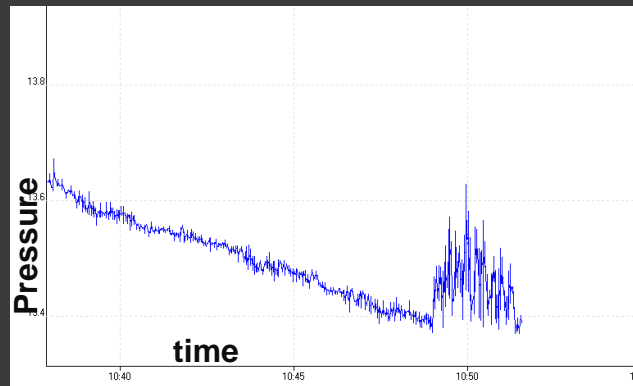
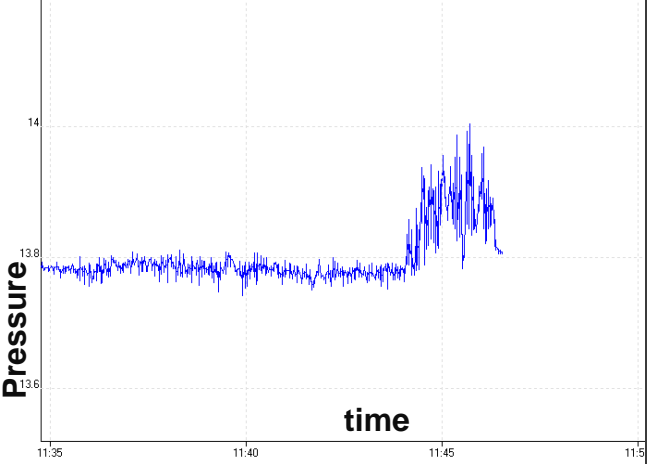


Spacer test

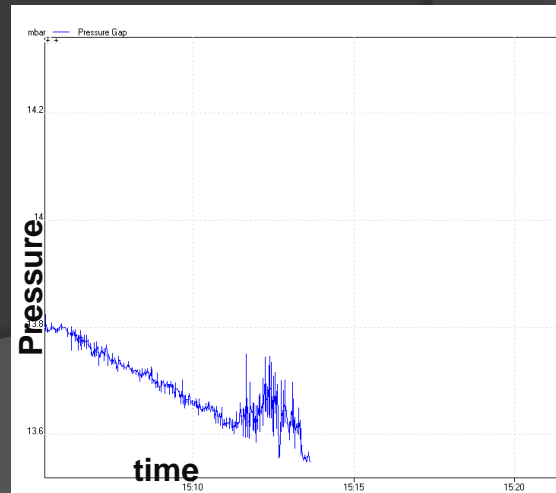


GROUP	DATE	TIME	STATUS
GROUP NAME			
MEMBER			
LAB NUMBER			
LAB ADDRESS			
CANAL			
PORT NUMBER			

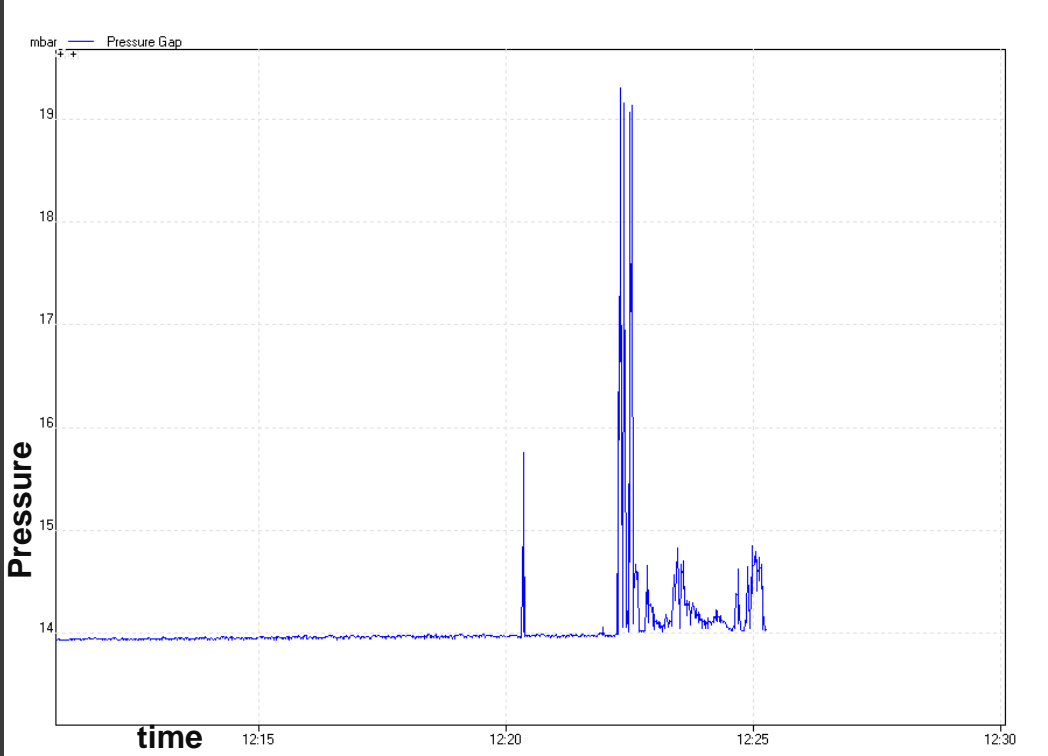
GROUP	DATE	TIME	STATUS
GROUP NAME			
MEMBER			
LAB NUMBER			
LAB ADDRESS			
CANAL			
PORT NUMBER			



Spacer test data



Example of a bad spacers



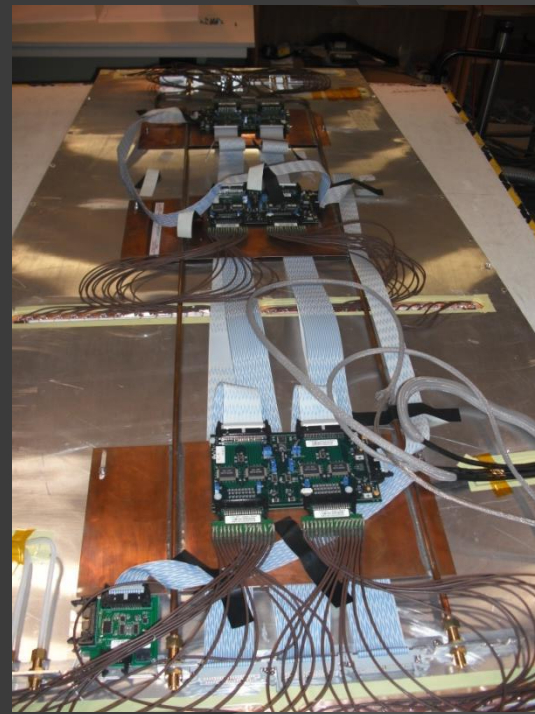
2nd building the chamber



Bottom gap



Top gaps



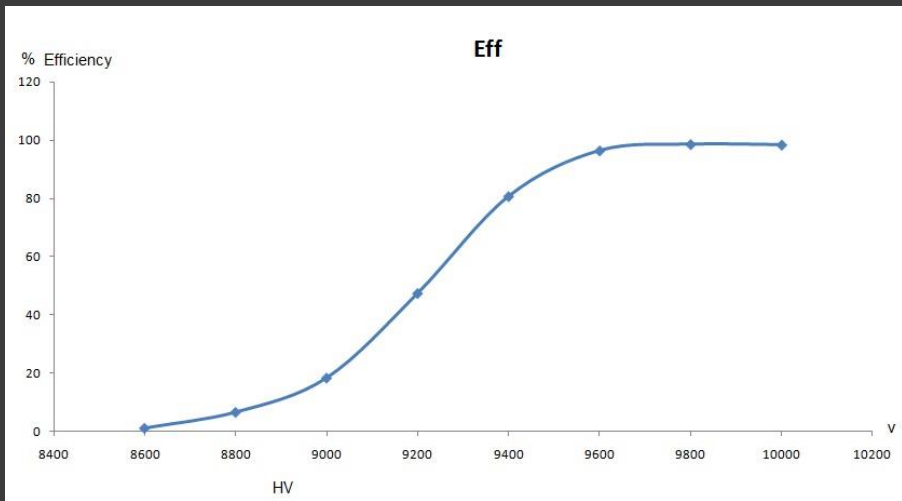
Distribution boards

Cosmic Stand



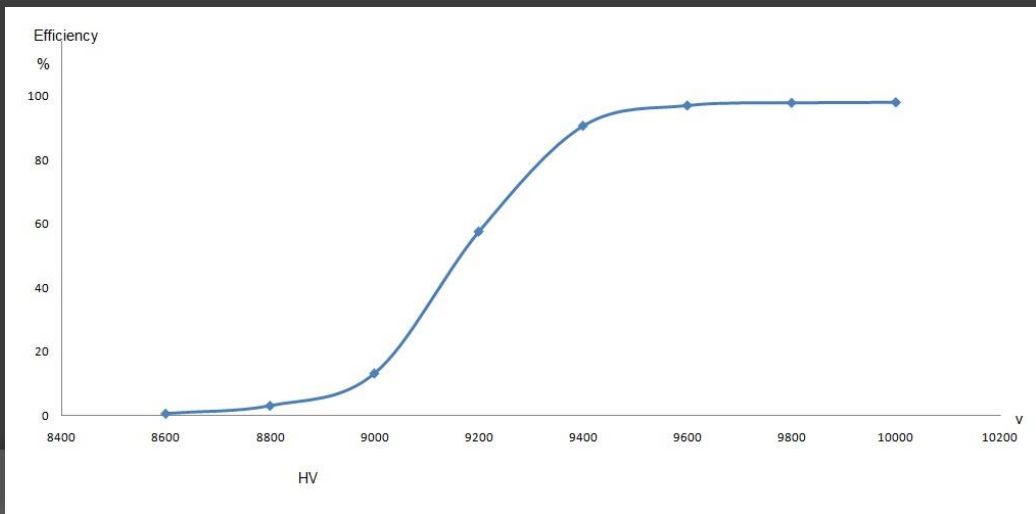
Data of Cosmic Stand

3486	13.01.2014	CERN	21.4	963	19 01_	C	DOUBLE	2	8600	8372	8371	8374	0.04	0.07	0.13	10000	0.192926	0.111278
3487	13.01.2014	CERN	21.4	962	19 01_	A	DOUBLE	2	8800	8560	8558	8558	0.05	0.08	0.13	10000	0.394477	0.278387
3487	13.01.2014	CERN	21.4	962	19 01_	B	DOUBLE	2	8800	8560	8558	8558	0.05	0.08	0.13	10000	0	0
3487	13.01.2014	CERN	21.4	962	19 01_	C	DOUBLE	2	8800	8560	8558	8558	0.05	0.08	0.13	10000	0.133601	0.094407
3488	13.01.2014	CERN	21.3	962	19 01_	A	DOUBLE	2	9000	8752	8751	8750	0.05	0.08	0.14	10000	4.13043	0.927811
3488	13.01.2014	CERN	21.3	962	19 01_	B	DOUBLE	2	9000	8752	8751	8750	0.05	0.08	0.14	10000	0.330033	0.329488
3488	13.01.2014	CERN	21.3	962	19 01_	C	DOUBLE	2	9000	8752	8751	8750	0.05	0.08	0.14	10000	0.533689	0.188183
3489	13.01.2014	CERN	21.4	962	19 01_	A	DOUBLE	2	9200	8948	8947	8948	0.05	0.1	0.15	10000	8.41121	1.19998
3489	13.01.2014	CERN	21.4	962	19 01_	B	DOUBLE	2	9200	8948	8947	8948	0.05	0.1	0.15	10000	5.60224	1.2171
3489	13.01.2014	CERN	21.4	962	19 01_	C	DOUBLE	2	9200	8948	8947	8948	0.05	0.1	0.15	10000	2.72244	0.419347
3490	13.01.2014	CERN	21.5	961	19 01_	A	DOUBLE	2	9400	9132	9132	9130	0.05	0.1	0.17	10000	20.2358	1.78076
3490	13.01.2014	CERN	21.5	961	19 01_	B	DOUBLE	2	9400	9132	9132	9130	0.05	0.1	0.17	10000	32.8267	2.58889
3490	13.01.2014	CERN	21.5	961	19 01_	C	DOUBLE	2	9400	9132	9132	9130	0.05	0.1	0.17	10000	21.1697	1.03001
3491	13.01.2014	CERN	21.4	961	19 01_	A	DOUBLE	2	9600	9328	9244	9324	0.24	1.53	0.76	10000	43.038	2.2742
3491	13.01.2014	CERN	21.4	961	19 01_	B	DOUBLE	2	9600	9328	9244	9324	0.24	1.53	0.76	10000	76.0331	2.24055
3491	13.01.2014	CERN	21.4	961	19 01_	C	DOUBLE	2	9600	9328	9244	9324	0.24	1.53	0.76	10000	56.5421	1.28075
3492	13.01.2014	CERN	21.5	960	19 01_	A	DOUBLE	2	9800	9513	9512	9512	0.06	0.12	0.2	10000	60.8081	2.1942
3492	13.01.2014	CERN	21.5	960	19 01_	B	DOUBLE	2	9800	9513	9512	9512	0.06	0.12	0.2	10000	96.7033	0.935857
3492	13.01.2014	CERN	21.5	960	19 01_	C	DOUBLE	2	9800	9513	9512	9512	0.06	0.12	0.2	10000	79.7046	1.01929
3493	13.01.2014	CERN	21.5	961	19 01_	A	DOUBLE	2	10000	9726	9725	9725	0.06	0.14	0.23	10000	69.6	2.0571
3493	13.01.2014	CERN	21.5	961	19 01_	B	DOUBLE	2	10000	9726	9725	9725	0.06	0.14	0.23	10000	98.5251	0.654725
3493	13.01.2014	CERN	21.5	961	19 01_	C	DOUBLE	2	10000	9726	9725	9725	0.06	0.14	0.23	10000	88.807	0.816231
3494	13.01.2014	CERN	21.4	961	19 01_	A	TOP	2	8600	8354	8353	24	0.04	0.08	0	10000	0.437637	0.308778
3494	13.01.2014	CERN	21.4	961	19 01_	B	TOP	2	8600	8354	8353	24	0.04	0.08	0	10000	0.283286	0.282885
3494	13.01.2014	CERN	21.4	961	19 01_	C	TOP	2	8600	8354	8353	24	0.04	0.08	0	10000	0	0



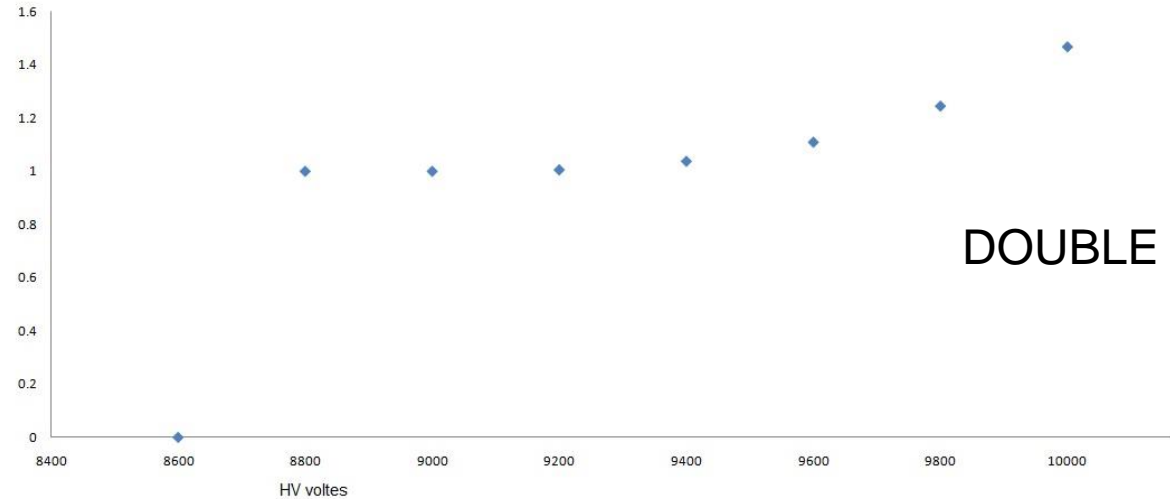
DOUBLE A

Efficiency curve



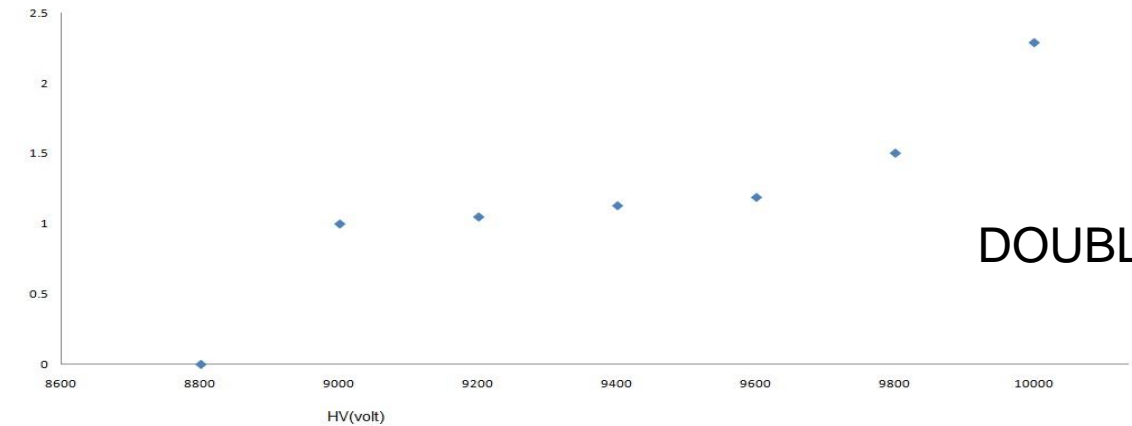
DOUBLE B

cluster size (strips)



DOUBLE A

cluster size (strips)



DOUBLE B

Cluster size curve

THANK YOU