

Status of FRS MWPC

Date: 29-MAY-2007 (K.Sue)

Detektor	electron source					beam (40Ar @ 700 A MeV)											
	U-A V	U-T V	U-G V	thr. A mV	thr. C mV	U-A V	thr. A mV	thr. C mV	signal A mV	signal C mV	walk A mV	walk R mV	walk L mV	walk U mV	walk D mV	x-offset* mm	y-offset* mm
MW11	-2700			-10	-10	-2500	-25	-25	-100	-100	-9	-10	-10	-9	-10	5.0	-14.0
MW21	no signal in 2-stage mode					-3400		-15	dead	-20	-10	-10	-10	-10	-10	-2.0	-5.0
MW22	-2700			-30	-30	-2300	-25	-25	-100	-50	-7	-10.5	-10.5	-11	-10.5	-1.5	-1.0
MW31	-2700			-25	-20	-2300	-25	-25	-100	-100	-7.5	-10.5	-10.5	-10	-11.5	-0.2	0.0
MW41	no signal in 1-stage mode, large HF noise (100 mV)										-10	-10	-10	-10	-10		
MW51	no source					-3000	-15	-15	-40	-40	-10	-10	-10	-10	-10	0.0	0.0
MW71	no source					-3000	-20	-15	-70	-40	-10	-10	-10	-10	-10	1.6	-2.7
MW81	no source					-3300	-15	-15	-25	-25	-10	-10	-10	-10	-10	1.0	3.2
MW82	no source					-3300	-10	-10	-20	-20	-10	-10	-10	-10	-10	5.0	0.8

Remarks:

MW11 has smaller efficiency at $x \approx 0$

MW21 anode dead, MW21 needs very high voltage!

Delays for MW7/8 anodes/cathodes need to be changed

*see /d/frs01/profi/s223/go4/setup.C