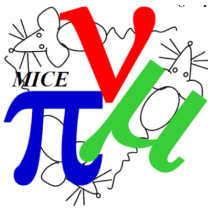
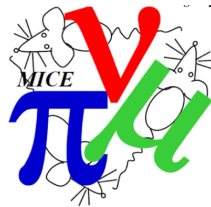


Pion beam settings





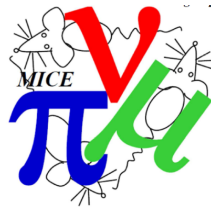
Run	Date	Setting	PA [mm]	TOF0 triggers/TOF1 triggers
8071	20/07/2016	3-140+M3-Test1	29	5.1
8075	20/07/2016	3-140+M3-Test1	29	5.1
8076	20/07/2016	3-140+M3-Test1	29	5.1
8078	20/07/2016	3-140+M3-Test1	29	4.3
8043	17/07/2016	3-140+M3-Test1	54	5.7
8044	17/07/2016	3-140+M3-Test1	104	6.5
8045	17/07/2016	3-140+M3-Test1	104	6.5
8046	17/07/2016	3-170+M3-Test1	53	4.7
8047	17/07/2016	3-170+M3-Test1	102	5.5
8020	14/07/2016	3-200+M3-Test1	29	4.2
8021	14/07/2016	3-200+M3-Test1	29	4.3
8035	16/07/2016	3-200+M3-Test1	29	4.2
8070	20/07/2016	3-200+M3-Test1	29	4.2
8072	20/07/2016	3-200+M3-Test1	29	4.2
8079	20/07/2016	3-200+M3-Test1	29	4.2
8050	17/07/2016	3-200+M3-Test1	53	4.6
8051	17/07/2016	3-200+M3-Test1	102	5.5
8052	17/07/2016	3-200+M3-Test1	102	5.5
8083	21/07/2016	3-240+M3-Test1	29	3.8
8048	17/07/2016	3-240+M3-Test1	53	4.3
8056	18/07/2016	3-240+M3-Test1	53	4.4
8049	17/07/2016	3-240+M3-Test1	103	6.1

Increase in the TOF0/TOF1 triggers ratio increasing the PA thickness



Run	Date	Setting	PA [mm]	Electron peak TOF0->TOF1 mean [ns]
8071	20/07/2016	3-140+M3-Test1	29	25.4
8075	20/07/2016	3-140+M3-Test1	29	25.4
8076	20/07/2016	3-140+M3-Test1	29	25.4
8078	20/07/2016	3-140+M3-Test1	29	25.4
8043	17/07/2016	3-140+M3-Test1	54	25.4
8044	17/07/2016	3-140+M3-Test1	104	25.5
8045	17/07/2016	3-140+M3-Test1	104	25.4
8046	17/07/2016	3-170+M3-Test1	53	25.4
8047	17/07/2016	3-170+M3-Test1	102	25.4
8020	14/07/2016	3-200+M3-Test1	29	25.4
8021	14/07/2016	3-200+M3-Test1	29	25.4
8035	16/07/2016	3-200+M3-Test1	29	25.4
8070	20/07/2016	3-200+M3-Test1	29	25.4
8072	20/07/2016	3-200+M3-Test1	29	25.4
8079	20/07/2016	3-200+M3-Test1	29	25.4
8050	17/07/2016	3-200+M3-Test1	53	25.4
8051	17/07/2016	3-200+M3-Test1	102	25.4
8052	17/07/2016	3-200+M3-Test1	102	25.4
8083	21/07/2016	3-240+M3-Test1	29	25.4
8048	17/07/2016	3-240+M3-Test1	53	25.5
8056	18/07/2016	3-240+M3-Test1	53	25.5
8049	17/07/2016	3-240+M3-Test1	103	25.5

The electron peak/mean does not move around



Run	Date	Setting	PA [mm]	TKU Station 1 x profile [mm]	TKU Station 1 y profile [mm]
8071	20/07/2016	3-140+M3-Test1	29	-28.3	-8.1
8075	20/07/2016	3-140+M3-Test1	29		
8076	20/07/2016	3-140+M3-Test1	29	21.9	-2.6
8078	20/07/2016	3-140+M3-Test1	29		
8043	17/07/2016	3-140+M3-Test1	54	22.6	1.4
8044	17/07/2016	3-140+M3-Test1	104	32.7	6.7
8045	17/07/2016	3-140+M3-Test1	104	30.9	-1.1
8046	17/07/2016	3-170+M3-Test1	53	18.5	-0.3
8047	17/07/2016	3-170+M3-Test1	102	25.2	-2.7
8020	14/07/2016	3-200+M3-Test1	29	-17.1	-0.3
8021	14/07/2016	3-200+M3-Test1	29	-17.6	-0.2
8035	16/07/2016	3-200+M3-Test1	29	-17.6	-0.3
8070	20/07/2016	3-200+M3-Test1	29		
8072	20/07/2016	3-200+M3-Test1	29		
8079	20/07/2016	3-200+M3-Test1	29		
8050	17/07/2016	3-200+M3-Test1	53	-20.8	-0.5
8051	17/07/2016	3-200+M3-Test1	102	-29.4	0.8
8052	17/07/2016	3-200+M3-Test1	102	-26.9	1.0
8083	21/07/2016	3-240+M3-Test1	29		
8048	17/07/2016	3-240+M3-Test1	53	54.5	-0.6
8056	18/07/2016	3-240+M3-Test1	53	54.2	-0.6
8049	17/07/2016	3-240+M3-Test1	103		

All the settings need a tune of D2 in order to have a beam more centered in x