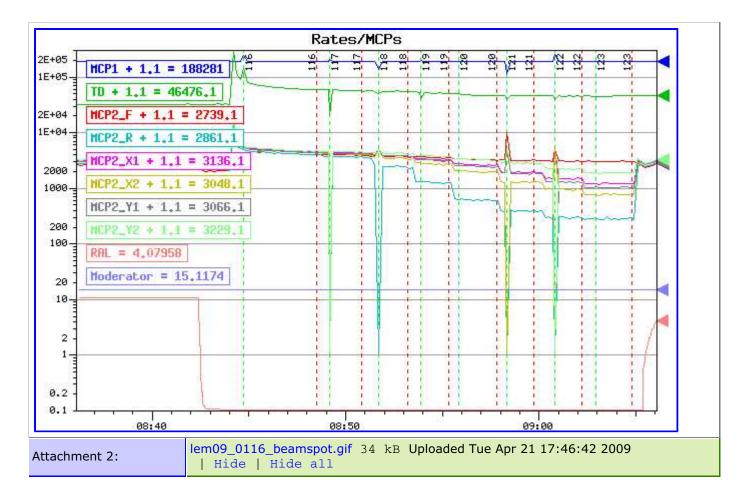
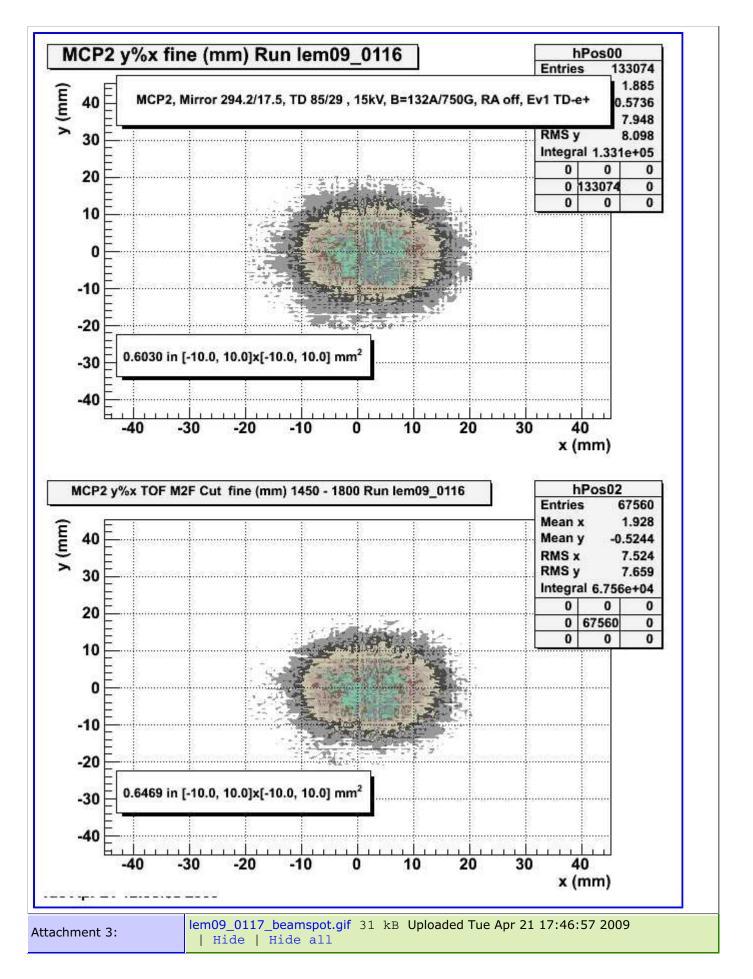
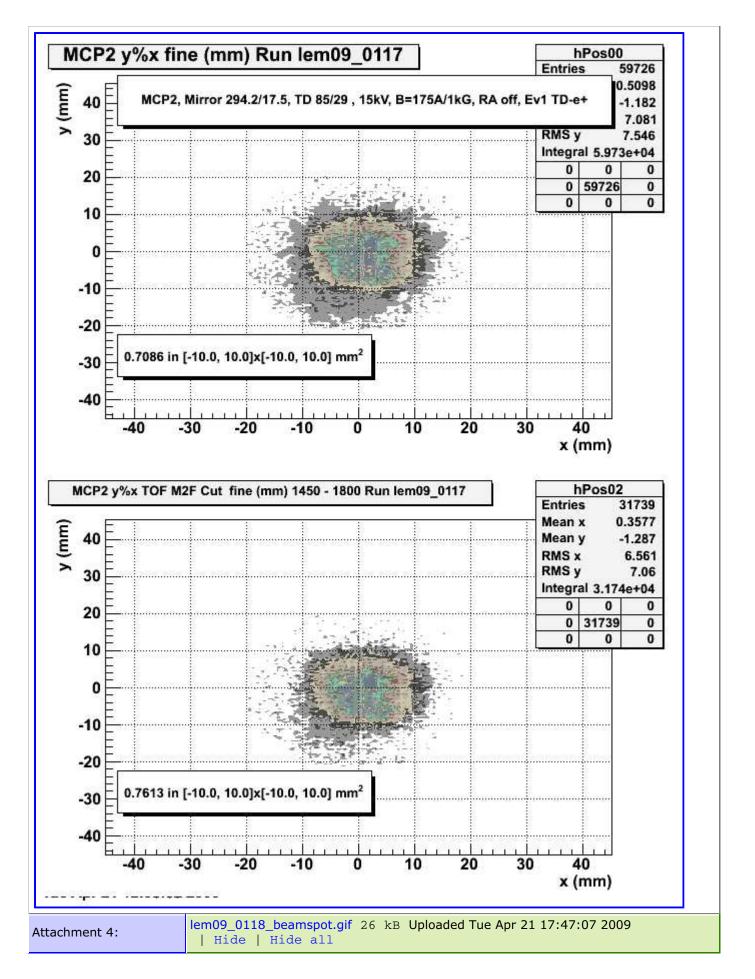
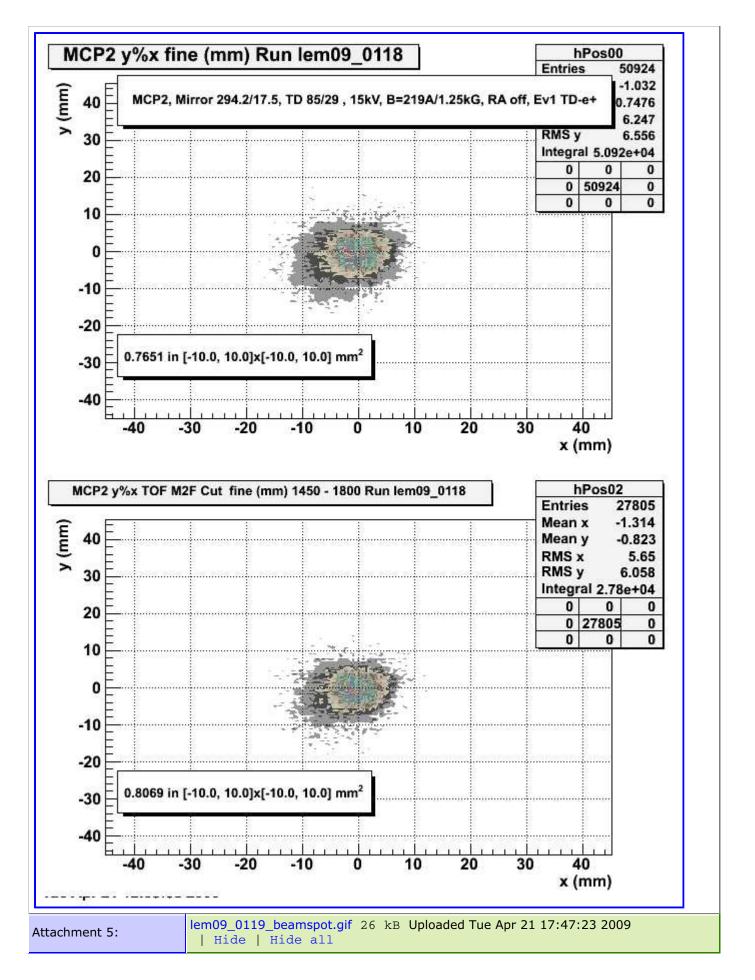
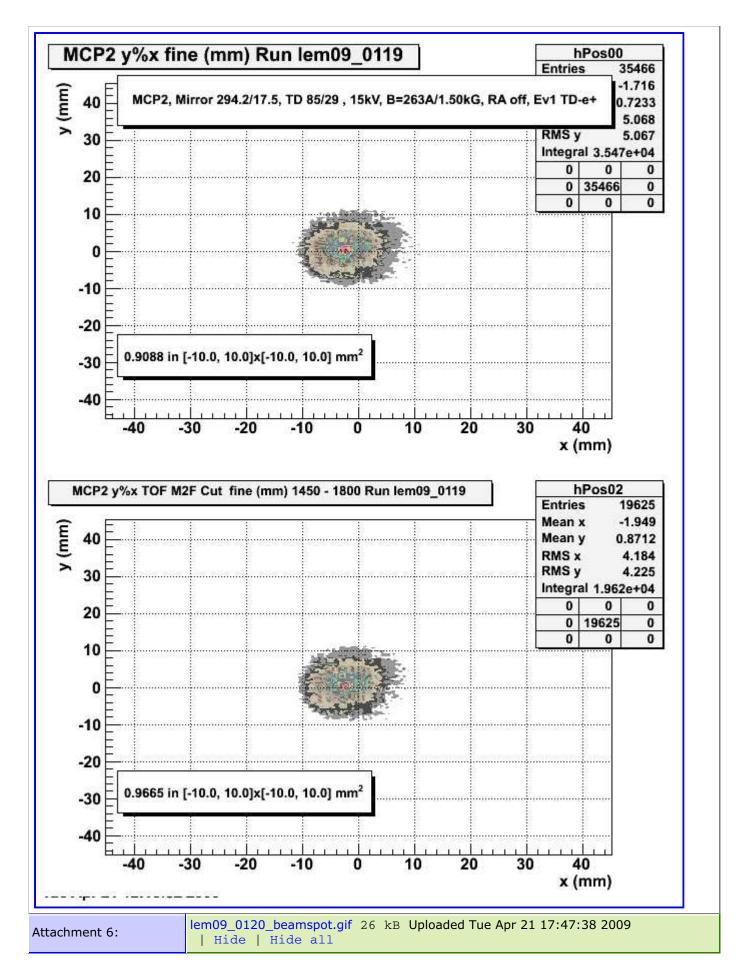
MIDAS LEM Experiment Page LEM Equipment Analysis Run Summaries ToDo New MuE4 LEM Experiment Database Apparatus SlowControlEquipment Computing VME_DAQ Detectors				
Logbook of LEM Experiment in muE4 Lo			Logged in as "LEM DAQ account"	
N A N Logout Back New Edit Reply Delete Find Config Last day Last 10 Help				
Message ID: 4518 Entry time: Tue Apr 21 09:15:08 2009				
Run:	123			
Author:	ТР			
Туре:	Problem			
System:	Detector	Detector		
Subject:	MCP2 beam spot in high B-fields			
Quick check of beam spots measured on MCP2 at high WEW fields with new settings of Mirror (294.2 degree instead of 294.8), 15kV transport: • L3=9.75kV, RA=0 • TD 85/29 (degree/mm) • Mirror 294.2/17.5 (degree/mm)				
Run Field Current in	1 20x20 mm² x0) (mm) v0 (mr	n)	
		.93 -0.52		
117 1.00 kG 175 A 0	.761 0.	.36 -1.29		
118 1.25 kG 219 A 0	.807 -1	31 -0.82		
	.967 -1	.95 0.87		
		2.01 2.39		
		64 2.71		
		.12 0.53		
123 2.50 kG 438 A 0.4?? 0.38?? -1.17?? MCP2 rates change differently as a function of B-field, see Fig. 1. This could lead to a wrong/distored image of the beam spot, especially at higher fields. This requires much more time to be solved by playing with MCP2 thresholds etc. Also, although the event rate does not change, the histogram entries in the beam spot image decreases with field, indicating that we have less and less events where all four anode signals are present.				
Beam spots in Figs. 2-9.				
Attachment 1:	MCPs.gif 15 k	kB Hide	Hide all	

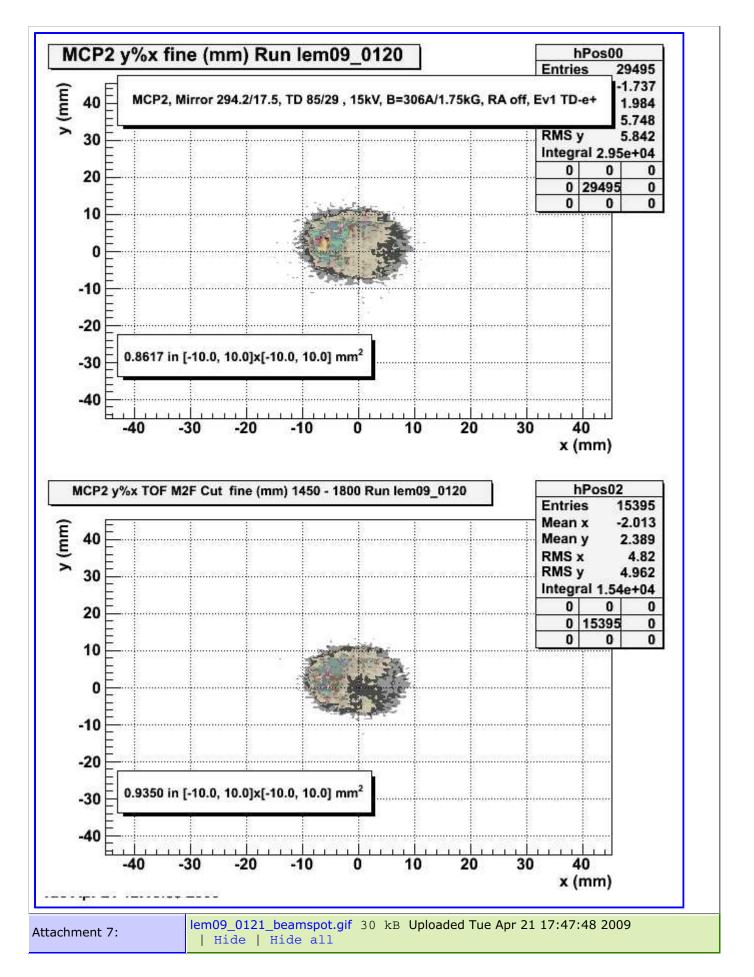


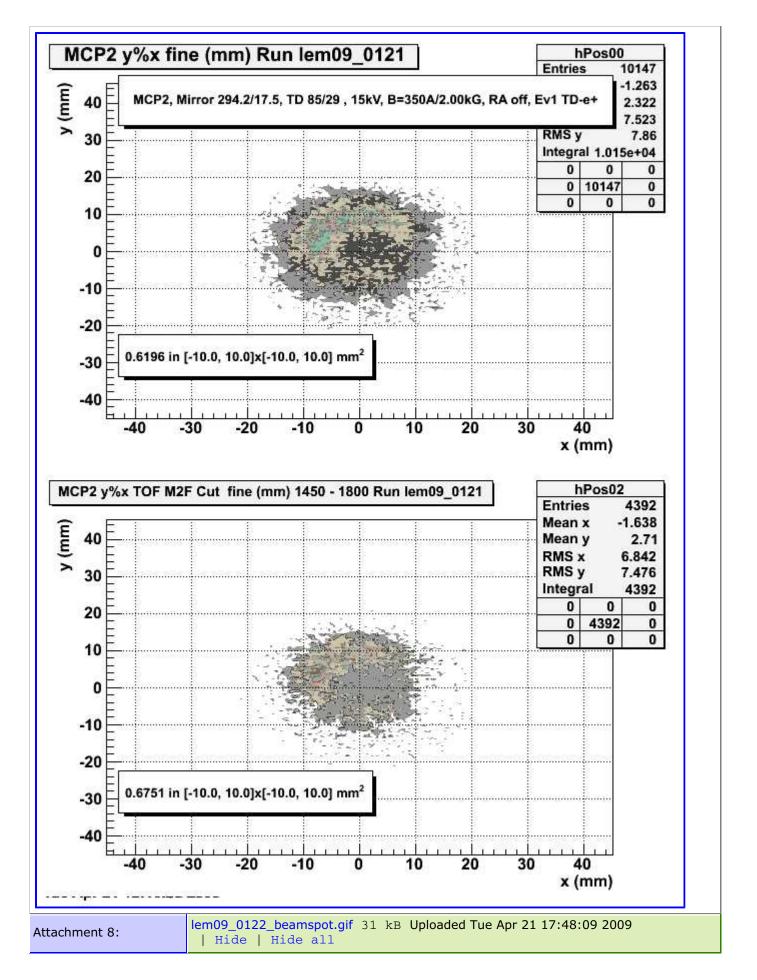


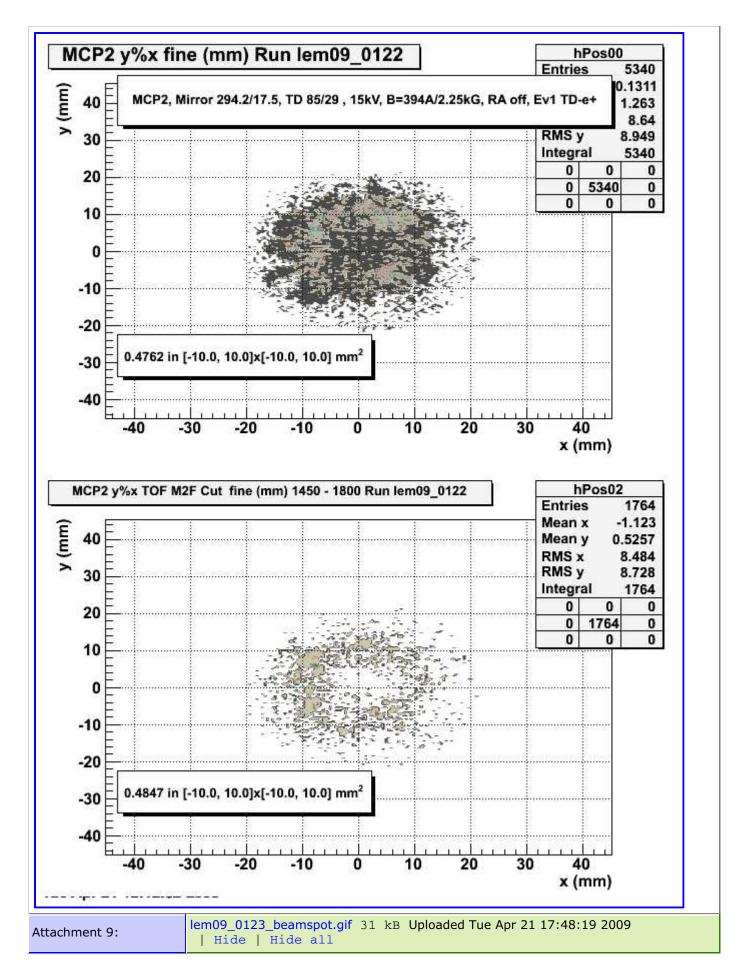


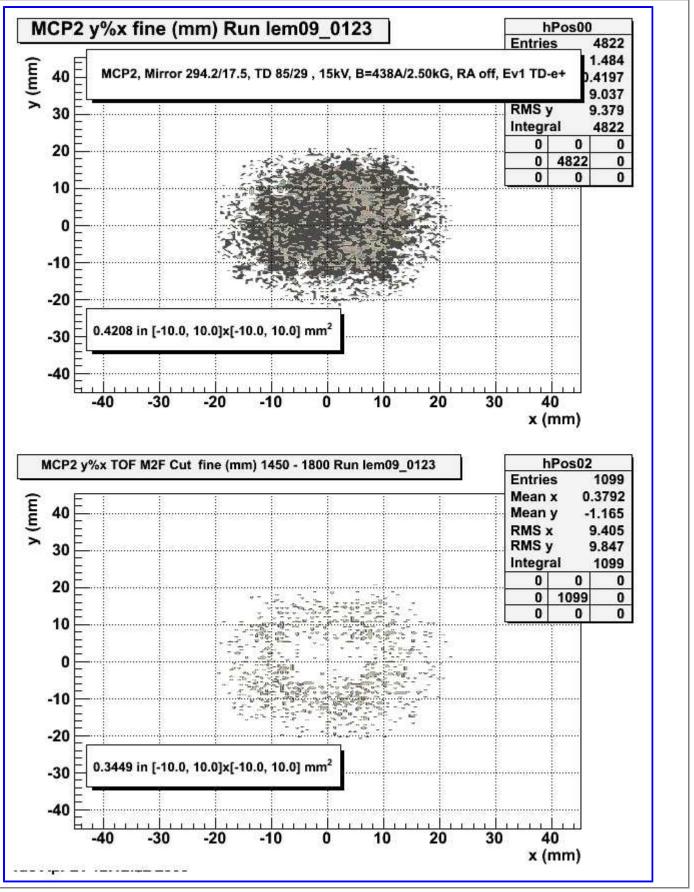












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