

This spread sheet assumes => 100 fC per MIP for Histe VI

	Input MIPS	fC	Split	Output MIPS	fC	
Saturation	150	15000	78%			
High Gain			20%	30	3000	
Low Gain			2%	3	300	Actually below saturation
Average Shower	100	10000	78%			
High Gain			20%	20	2000	
Low Gain			2%	2	200	
One MIP	1	100	78%			
High Gain			20%	0.2	20	5 to 10 times noise
Low Gain			2%	0.02	2	In the noise
High Threshold	5	500	78%			
High Gain			20%	1	100	Set high threshold here
Low Gain			2%	0.1	10	
Low Threshold	3	300	78%			
High Gain			20%	0.6	60	
Low Gain			2%	0.06	6	Set a possible low threshold here
Forward Threshold	0.3	30	78%			
High Gain			20%	0.06	6	Set Forward MIP here
Low Gain			2%	0.006	0.6	but only 1 to 2 times noise
Alternative Forward	0.3	30	0%			
High Gain			100%	0.3	30	Better for Forward MIP
Low Gain			0%	0	0	but saturates at 3 MIPS