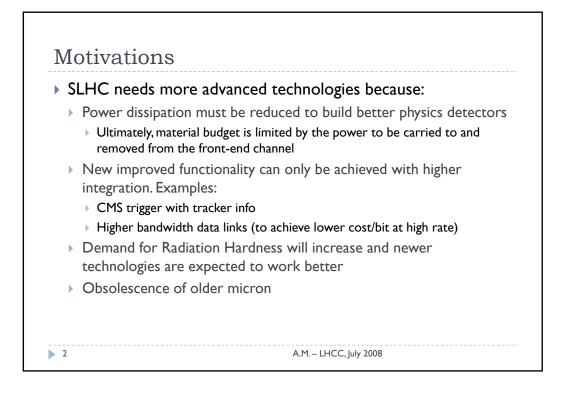
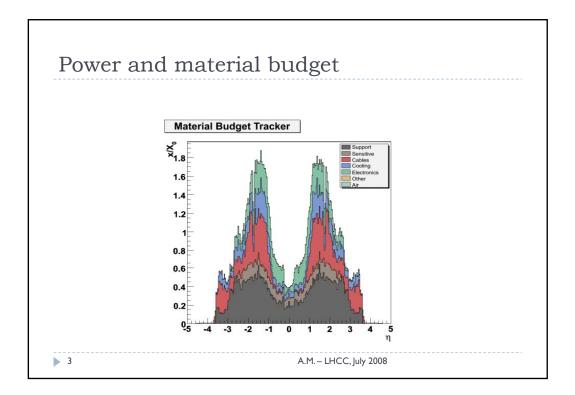
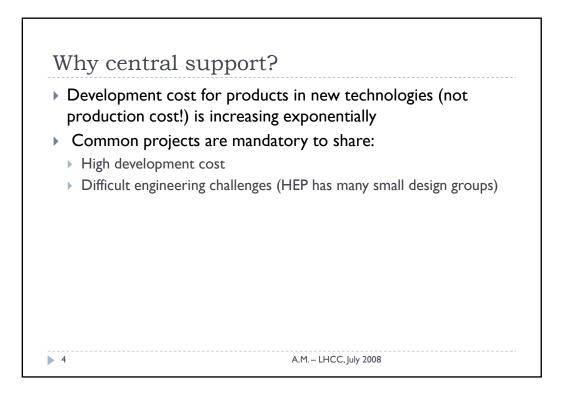
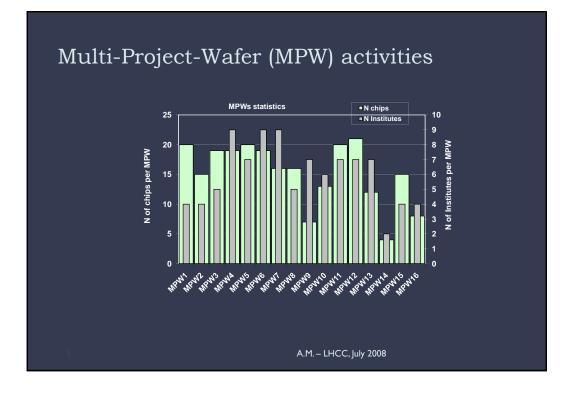
Advanced Semiconductor Technologies for SLHC

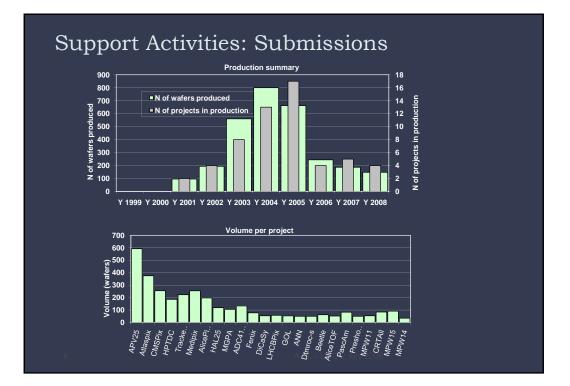
A. Marchioro / PH-ESE

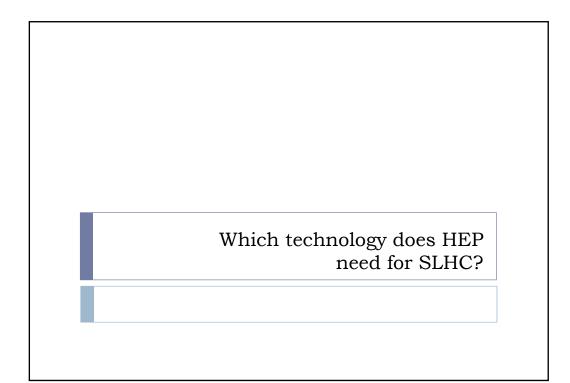




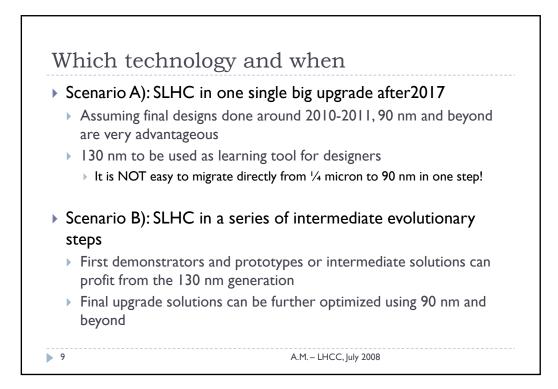


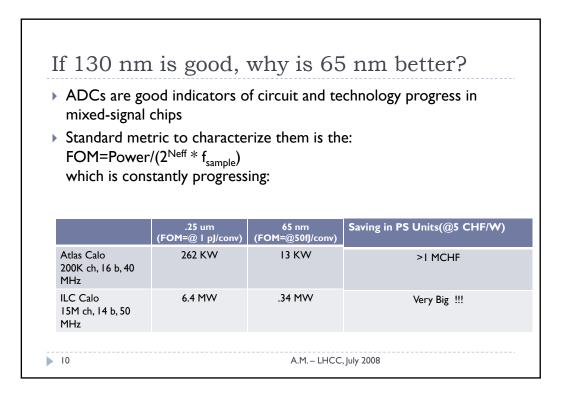


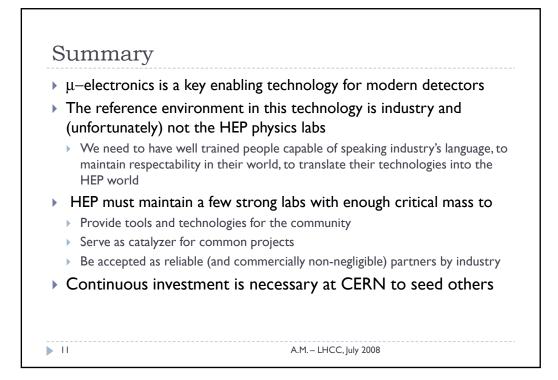




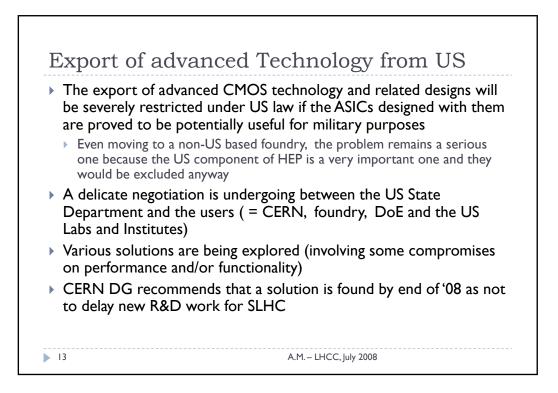
and w	here are the others?	
	Technologies used in state of the art industrial application	
8	A.M. – LHCC, July 2008	

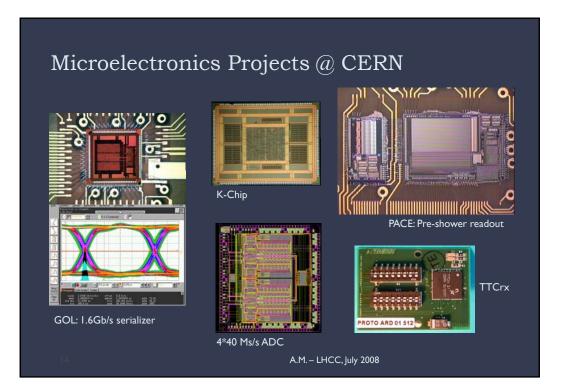


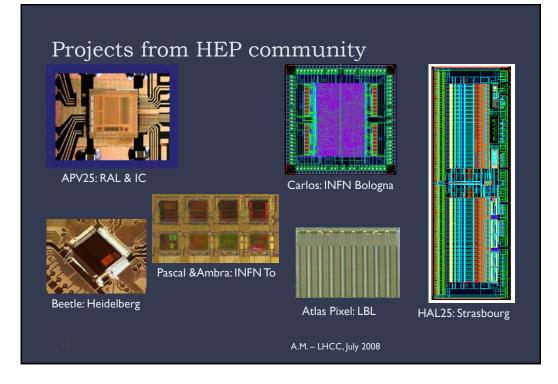












▶	Technology Support		
	 Technology Validation for 130 nm and 90 nm 		
	MPW organization		
	 Design methodology support 		
	IP Blocks in 130 nm		
	 General purpose analog and digital blocks for complex ASICs 		
	Fast Optical Links		
	Bidirectional, all purposes optical link		
	GBT13: 4.8 Gb/sec in 130 nm		
	GBT90: 10 Gb/sec in 90 nm		
	Powering		
	 Design of rad-tolerant, high efficiency DC-DC converter for future tracker 		
	Gigatracker		
	 Very Fast, high rate pixel detector with integrated TDC 		
	S-Altro		
	Compact readout for TPC and Gas detectors with enhanced digital processing		
	Medipix		

