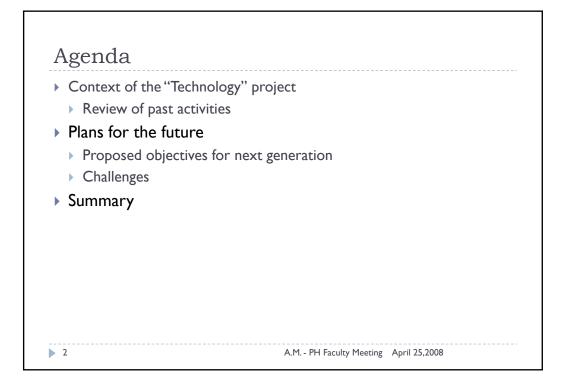
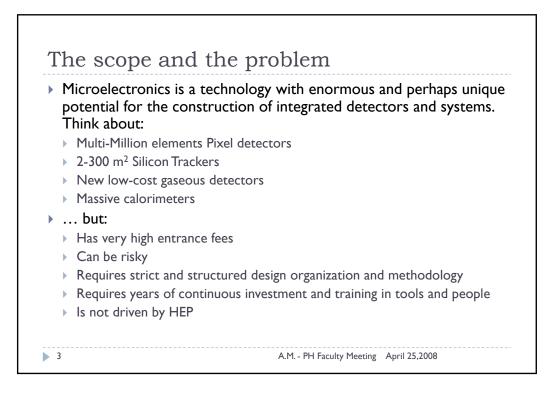
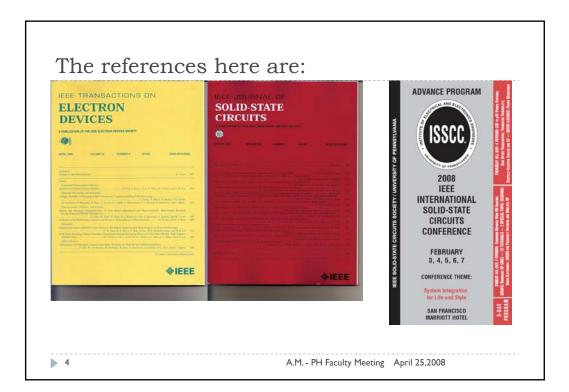
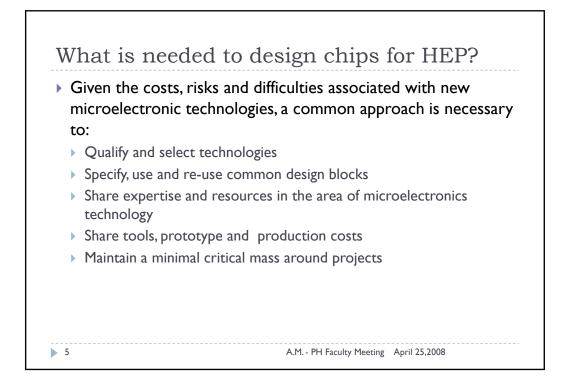
WP1 - Common Microelectronic Technologies for HEP

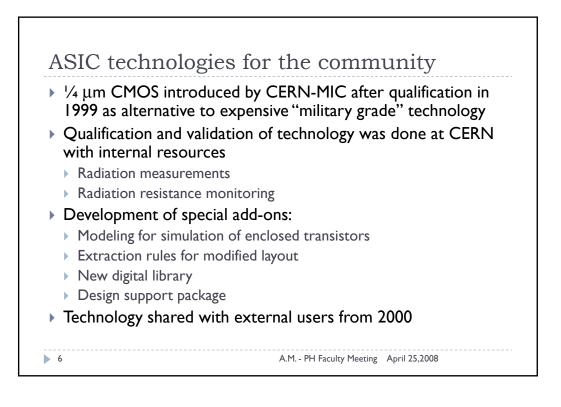
A. Marchioro /PH-ESE

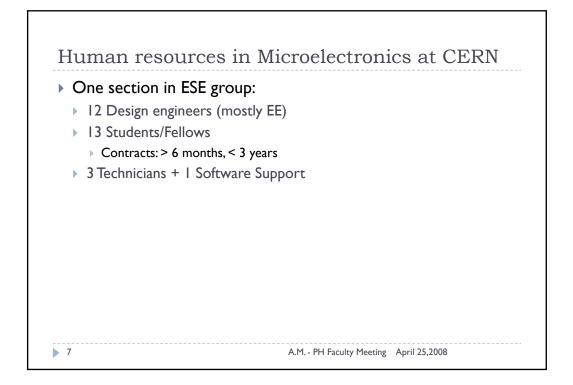


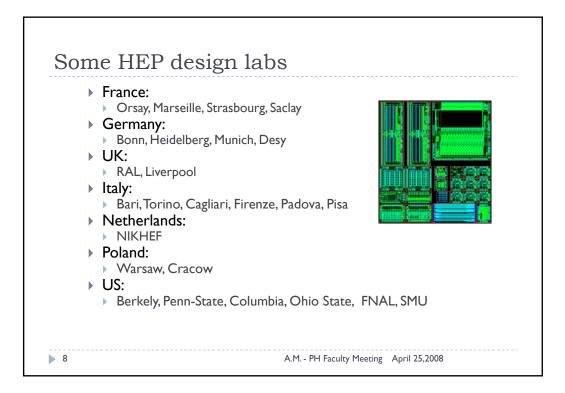


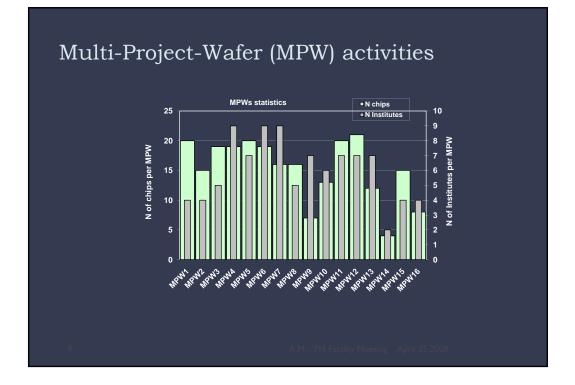


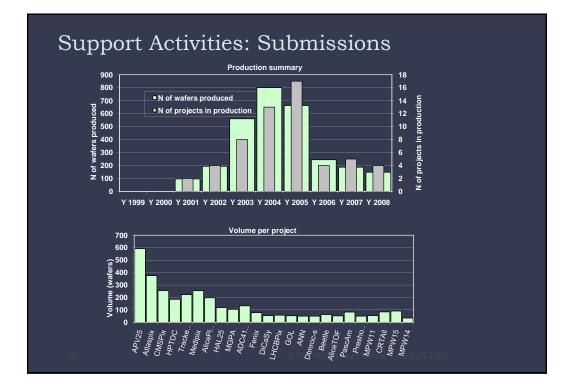


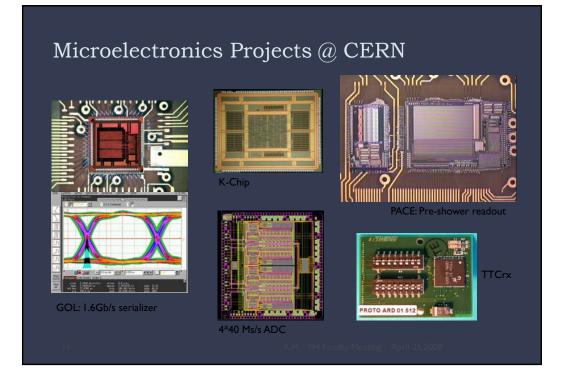


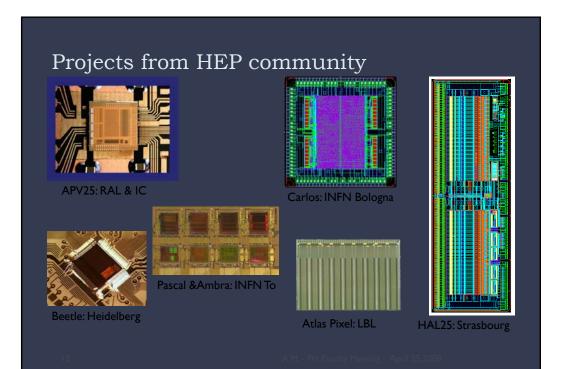




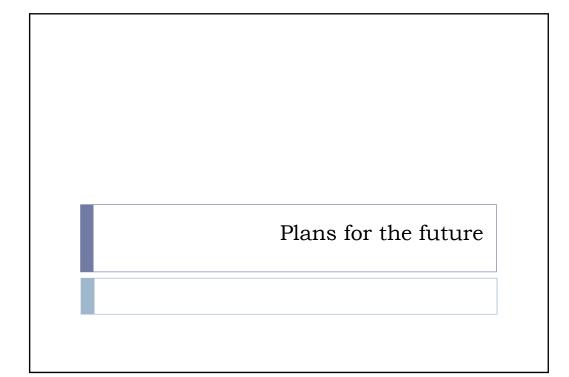


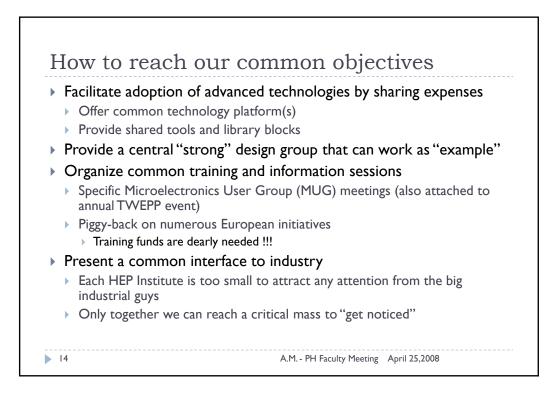






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l :th a h	Micros	DRAM Memories	Devices
Lithography	(# trans / MHz)	(for a ~100 mm2 die)	Devices
1.0 um	386DX (270K / 3M)		
0.6 um	486DX4 (1.6M / 100)	16 Mb	
0.35 um	Pentium II (7.5M / 233)	64 Mb	
0.25 um	Pentium III (9.5M / 500)	128 Mb	
130 nm	Pentium M (77M / 1600)	512 Mb	
90 nm	Pentium 4 (125M / 3000)	IGb	
65 nm	Core Duo (>1B / 2200)	4 Gb	

