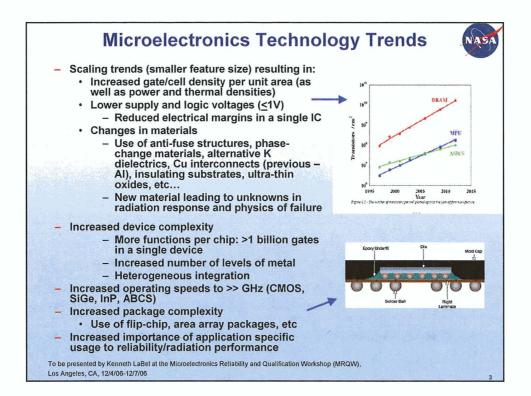
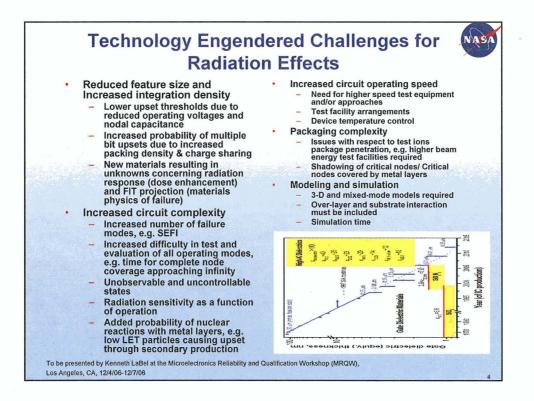
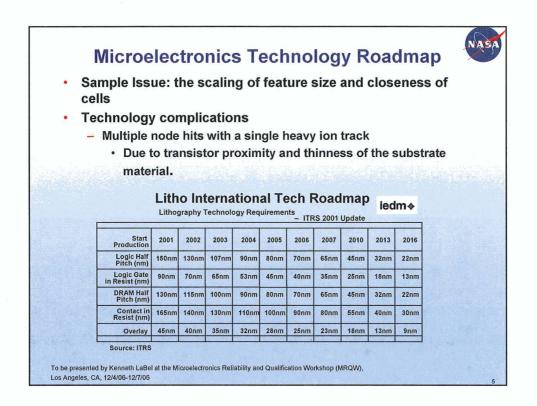
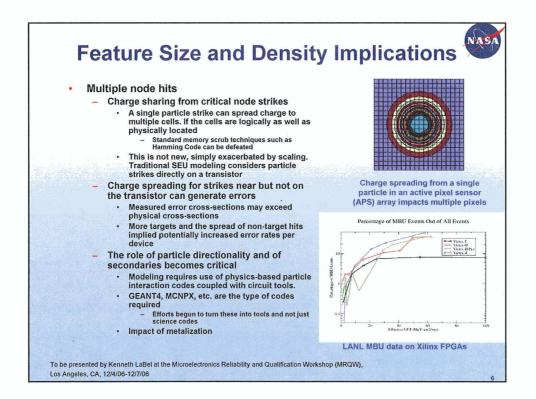


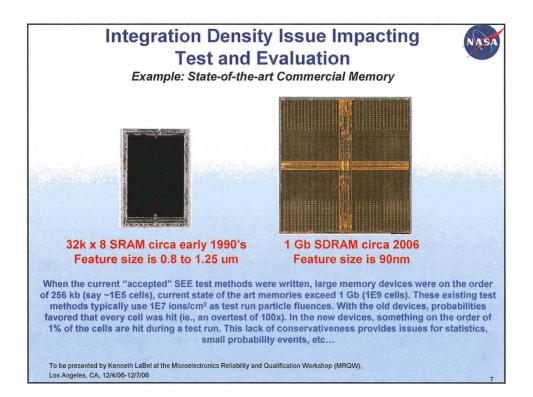
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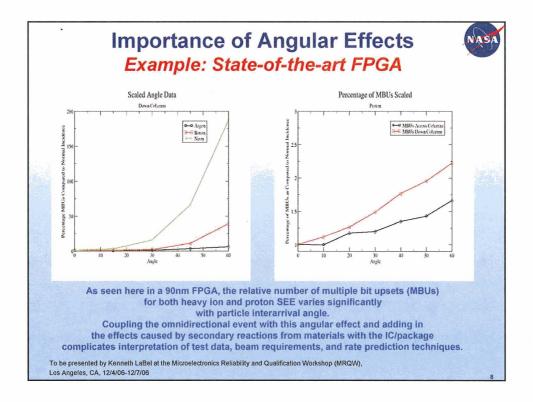


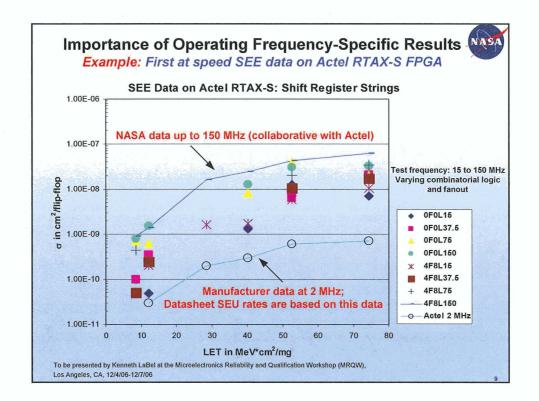


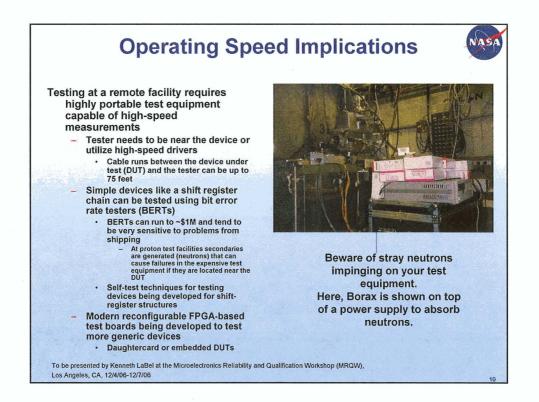


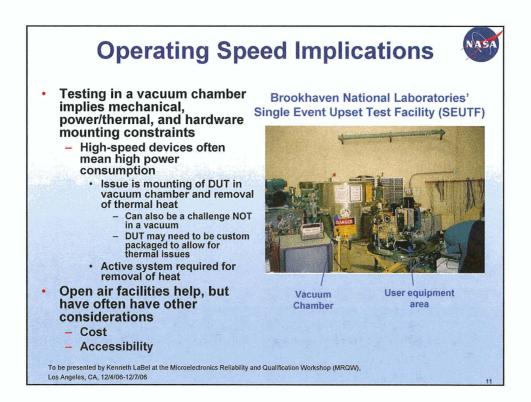


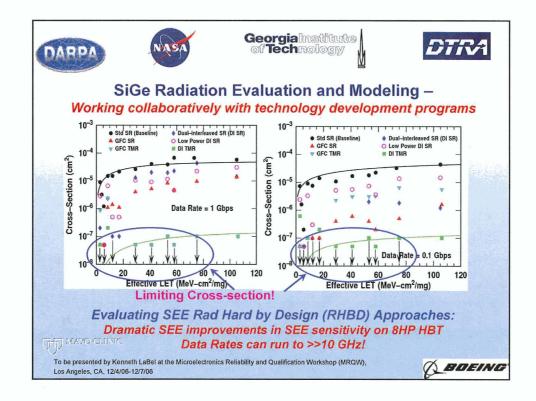


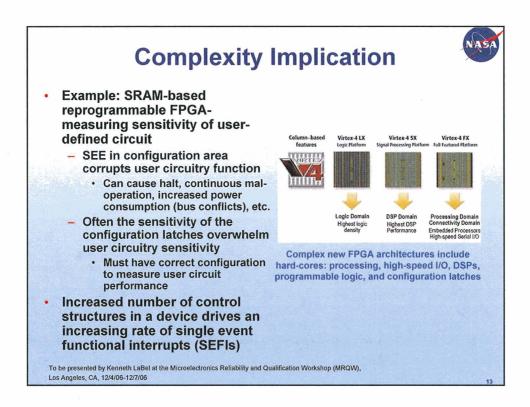


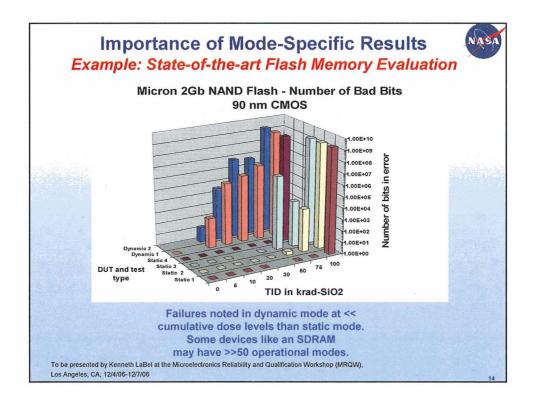


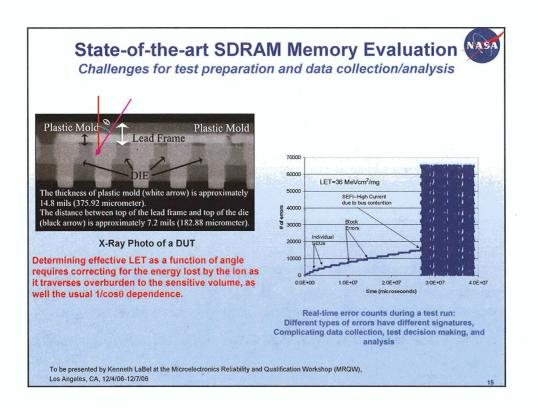


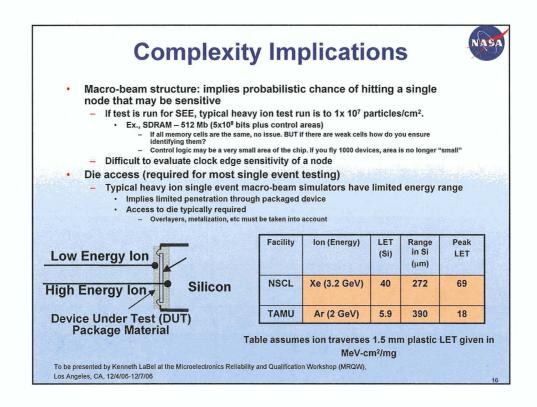


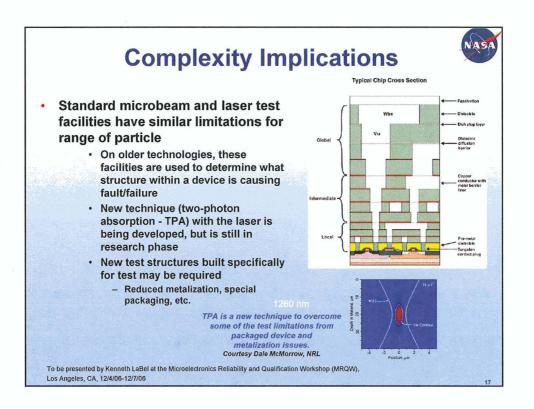


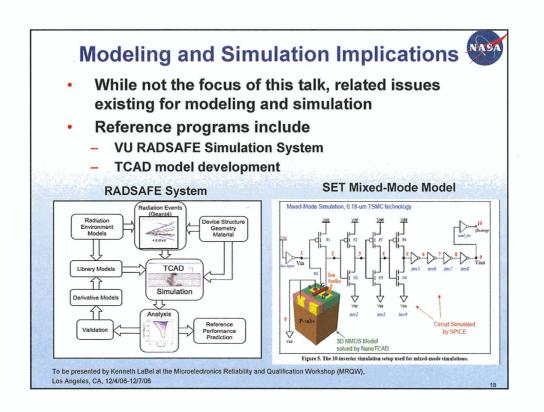


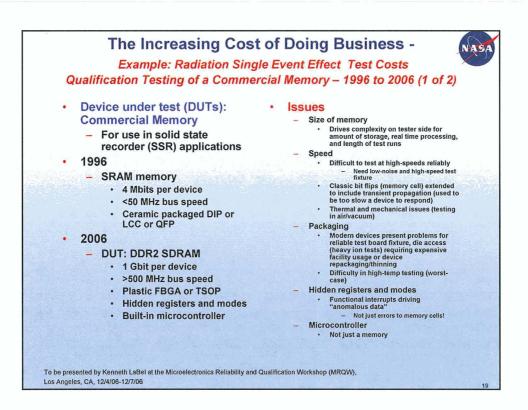


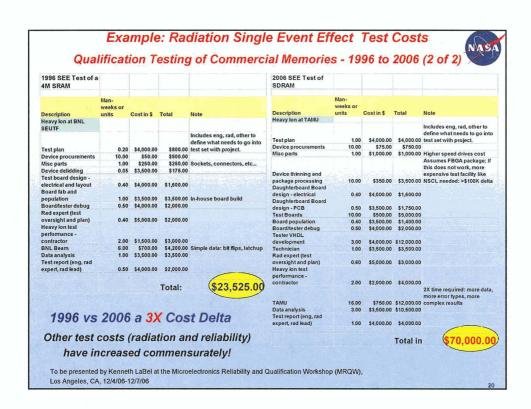












Qualification Cost		
Item	Cost	Note
Parts Procurement (500-1000 devices for testing only)	\$25-1000K	Individual device costs can run from cents to tens of thousands
Standard Qualification Tests	\$300K	
Radiation Tests and Modeling	\$400K	Assumes total dose and single event (heavy ion) only
Failure Modes Analysis	\$300K	Out-of-the-box look at the "hows and whats" for non-standard research required for qualification
Additional Tests, Modeling, and Analysis based on Failure Modes	\$500K	
Total cost for one device type	\$1.5-3M	Not all new technologies will meet standard qualification levels: technology limitations document

