

Two things that stood out :

Most Promising New Technology – SiPM

- > replacement for ~all photon sensors (HEP, Medical, Security, etc.)
- > small, contained units – *on-board mounting so minimal CAL gap*
- > blue sensitivity – *no WLS fiber!*
- > adjustable dynamic range – *analog or digital operation*
- > low voltage operation - *50V*
- > *noisy – threshold disc., timing, etc.*

Most Improved Calorimeter Topical Area – Simulation

- > *huge difference between LHC and ILC simulations*
- > *physics list consistency*
- > *speed of simulated data delivery*
- > *flexibility for changes, updates, different detectors!*
- > *for ILC, actually useful for detector evaluation!*

**Both are driven by and directly affect ILC calorimeter development!**