DESY Status and
Possible Controls Contributions to the ILC

Kay Rehlich

Hardware Developments

- ATCA / µTCA / AMC developments
  - ATCA and µTCA system evaluation
  - AMC board design
    - universal AMC with Vertex 5, MMC and IO piggy-back
  - MMC code with IPMI support
  - FPGA code distribution and management
  - failure handling for radiation events
  - IPMI DOOCS server
  - AMC module for a machine protection system
  - AMC module for ps stable timing

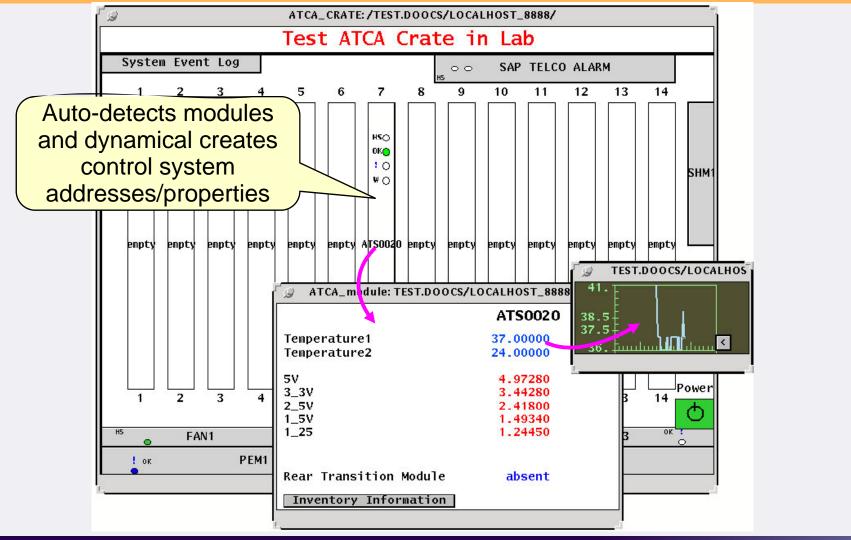- 4.Dec. 2007: workshop for 'XFEL crate standard'

AMC Evaluation Board

- First tests this week
- ADC/DAC piggy-back in preparation
- MMC IPMI code ready (to be tested)
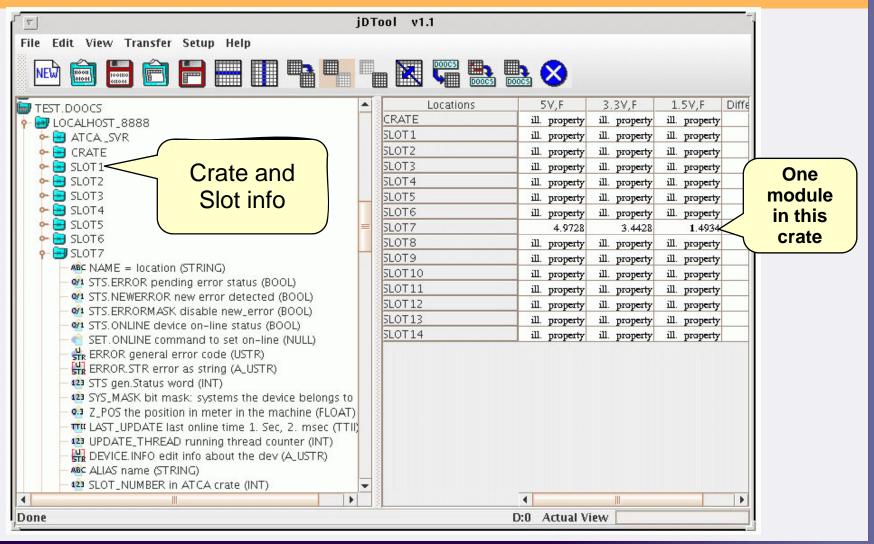- Virtex-5 code development, PCIe interface to DOOCS

HELMHOLTZ
| GEMEINSCHAFT

IPMI DOOCS Server and Display

ATCA in DOOCS Data Browser Application

Software Developments

- DOOCS server failover
  - first implementation for the two redundant FLASH injector lasers
- Java control system editor (jddd)
  - frame work for control system data presentation
- Remote Operations
- ... ?

- **We would like to create/extend collaborations on these or other items**

jddd: Control Panel Editor + Analysis Framework