

# *Tentative Schedule*

I. Start Monday at 3:15 (after 2:30 meeting),  
continuing Tuesday 16:30...

- A) Look at A0 system
- B) DOOCS QUICK-START
- C) New Digitizer

II. Wednesday 9:00-10:00

- A) Kay DOOC presentation
  - 1. DOOCs, including DAQ

III. Wednesday 1:00 - ... Friday, Saturday

- A) Integration/developing... (EPICS)
- B) More detailed Operational aspects
- C) ANCET functionality comparison
- D) Linux

# *A0 DOOCS*

*(an older DOOCS system)*

- Startup
  - How and what on wooster, on a0pi-spitefire2
  - Restarts – can they be automated
- Configuration
  - on wooster, on a0pi-spitefire2
  - Can file be put in CVS – auto change notification
- Upgrading
  - Overview of changes to DOOCs
  - SunOS 5.5 to 8 or 9 – is there a licensing issue

# *QUICK-START (tutorial)*

*from*

*[http://tesla.desy.de/doocs/doocs\\_tutorial/tutorial.html](http://tesla.desy.de/doocs/doocs_tutorial/tutorial.html)*

- DDD
- singenerator\_rpc\_server.cc
- caRepeater EPICS

*57 eq\_singenerator.h*  
*269 singenerator\_rpc\_server.cc*  
*78 singenerator\_server.conf*

#pragma implementation

...

```
char*          object_name = "singenerator_server"; //  
    name of this object (used in error messages)
```

```
EqFct*        singenerator_fct;
```

...

```
extern Config* config;
```

...

```
void eq_call_back (int i) {...}
```

```
// classes
```

```
EqFct_singenerator::EqFct_singenerator () :
```

...

*Where did they get such a new libstdc++-libc6.2-2.so.3*

# *Configuring a new digitizer*

- Server configuration
- Server – are there more examples
- DDD
- Getting data from within a script

# *Integration*

- Integrating with EPICS
- Controlling displays
- Tools – high and low level (tcpdump, debuggers, etc.)
- Logs and logging/error/significant event displays

# *More Operational Aspects and a little development*

- Operator console
  - integrated display
    - X/xinitrc (in CVS)
  - use of VNC or the likes
- Multiple console / multiple clients
  - Semaphores, locks, special operations, etc.
  - Authentication
  - Web clients (google “java vnc”)
- ACNET feature comparison
  - Fast time plot
  - ACNET Task evolution
    - Extending DOOCS
    - basic development and bug fixes (future DOOCS)
  - Database

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# *LINUX VME*

## *vs. Solaris*

- Cost of HW/OS
- FNAL support
- PXE boot or Sansdisk-to-ramdisk
- Kernel debuggers
- TRACE

# *Revised Schedule*

## I. Tuesday 16:30...

- A) Look at A0 system
- B) DOOCS QUICK-START
- C) New Digitizer

## II. Wednesday 9:00-10:00

- A) Kay DOOC presentation
  - 1. DOOCs, including DAQ

## III. Wednesday at 1:00 - Ddd

## IV. Wednesday at 1:30 - VME access

## V. Wednesday Friday, Saturday

- A) Integration/developing... (EPICS)
- B) More detailed Operational aspects
- C) ANCET functionality comparison
- D) Linux