

# EVENT BUILDER MONITORING

SUMMARY OF RUN 1 MONITORING

CONCLUSIONS, PLANS

## **Scanner Manager – Run 1**

### **Performance counter display (per partition)**

L2 triggers OK & errors (comm errors)

Events with timeouts sending to L3

No. of L3 buffers ready

Events discarded

Events sent to L3

Per SCPU in partition

Events loaded OK & errors

Events sent OK & errors

Events discarded

Time spent loading, sending, idle

### **Event rate during last N seconds**

### **Internal state display**

Booted?

Major tasks running?

LAN connection to Run Control?

SCPU's registered to partitions?

### **Message logging over LAN**

### **Panic dump file**

All internal state relevant to debugging

## **Scanner CPU – Run 1**

### **Performance counter display**

Same as reported to Scanner Manager

### **Internal state display**

Fragment buffer states (empty, filling, ...)

Event network connections to L3

Partition membership

Major tasks running?

Semaphores, other internal objects

### **Message logging over LAN**

### **Panic dump file**

All internal state relevant to debugging

## **Conclusions**

**Run 1 monitoring was thorough  
SM and SCPU software not much changed**

## **Plans**

**Keep Run 1 monitoring design**

**Re-implement using modern tools**

Sun RPC -> ROBIN

Tcl/Tk -> Java and Swing

Murmur -> DaqMsg