

Inside the DAQ
v0.1 Implementation

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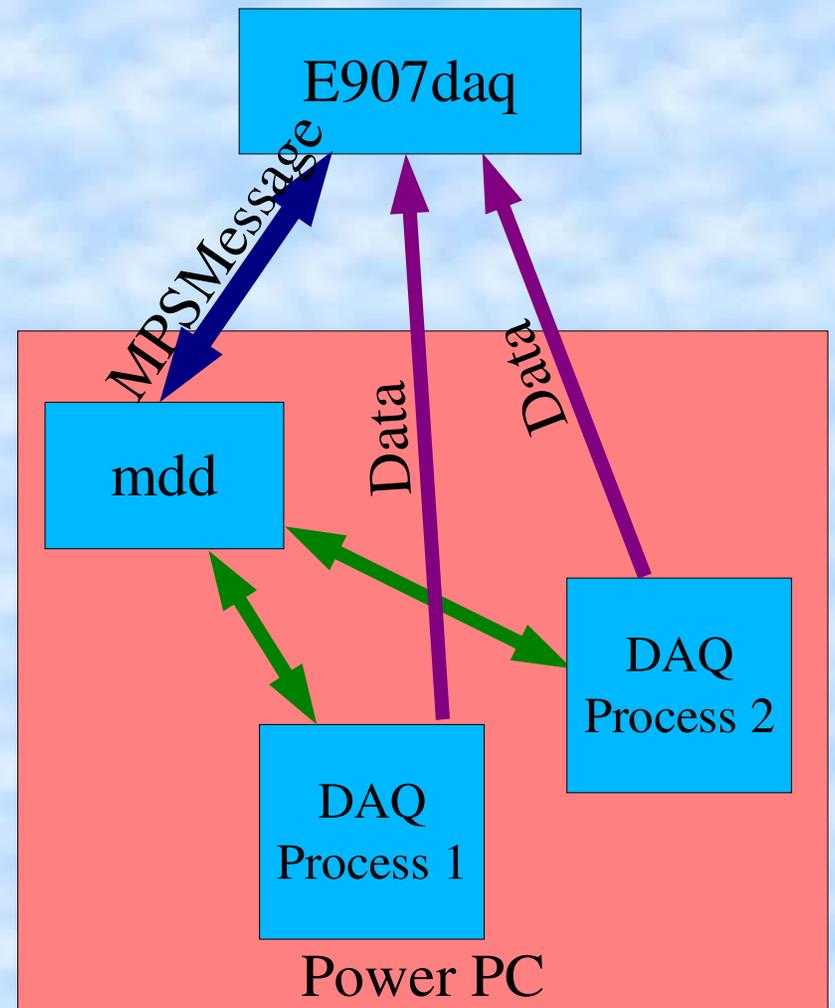
MIPP Collaboration Meeting
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Progress in the last 3 months

- Method of synchronizing PPC's is worked out
 - Using RFD02
- Message Passing System is done
 - Have minor issues for which “dirty” solutions exist and “clean” solutions are sought
- CAMAC readout is wrapped into C++
 - LRS2249, LSR4299, RFD02 can be used as examples for new module classes

Design Overview

- **MIPP DAQ Daemon**
 - Controller process running on PowerPC
 - E907daq talks to mdd's
 - Starts and stops XXXReadout processes which use XXXDetector class



v0.1

- MDD child processes run
 - Write data to files directly through MippiIo
 - Get configuration from XML file
- RICHReadout is completed
 - 1 kHz trigger rate is no problem
- DCDetector is in the works
- Complete documentation to be created ASAP

RICHReadout source

```
#include "MDDChildProc.h"  
#include "RichDetector.h"  
  
int main(int argc, char** argv) {  
  
    RichDetector myDet;  
    MDDChildProc myProc;  
  
    if (!myProc.Init(argc, argv, &myDet)) return -1;  
  
    myProc.Run();  
}
```