



Multiplicity Vertex Detector Schedule

Jehanne Simon-Gillo
Los Alamos National Laboratory

**Detector Council Meeting
Brookhaven National Laboratory
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1. What is the appropriate piece of the subsystem to be implemented for the ER? **All or none**

What are the performance goals for the subsystem in the ER?
Full integration into PHENIX experiment and trigger, full test of ancillary controls, cooling system checks, S/N, software and calibration checks

2. When will all of the reviews for the system be complete?

April 98

Final Electronics Review and Electrical Safety Review

Need to finish action items for FMDR and Mech Safety Review

3. When will it be available to install and commission in carriage, hall or counting house? **Hall - June 99**

Who will be responsible for this? **Jan Boissevain (MVD Systems Integration Engineer)**

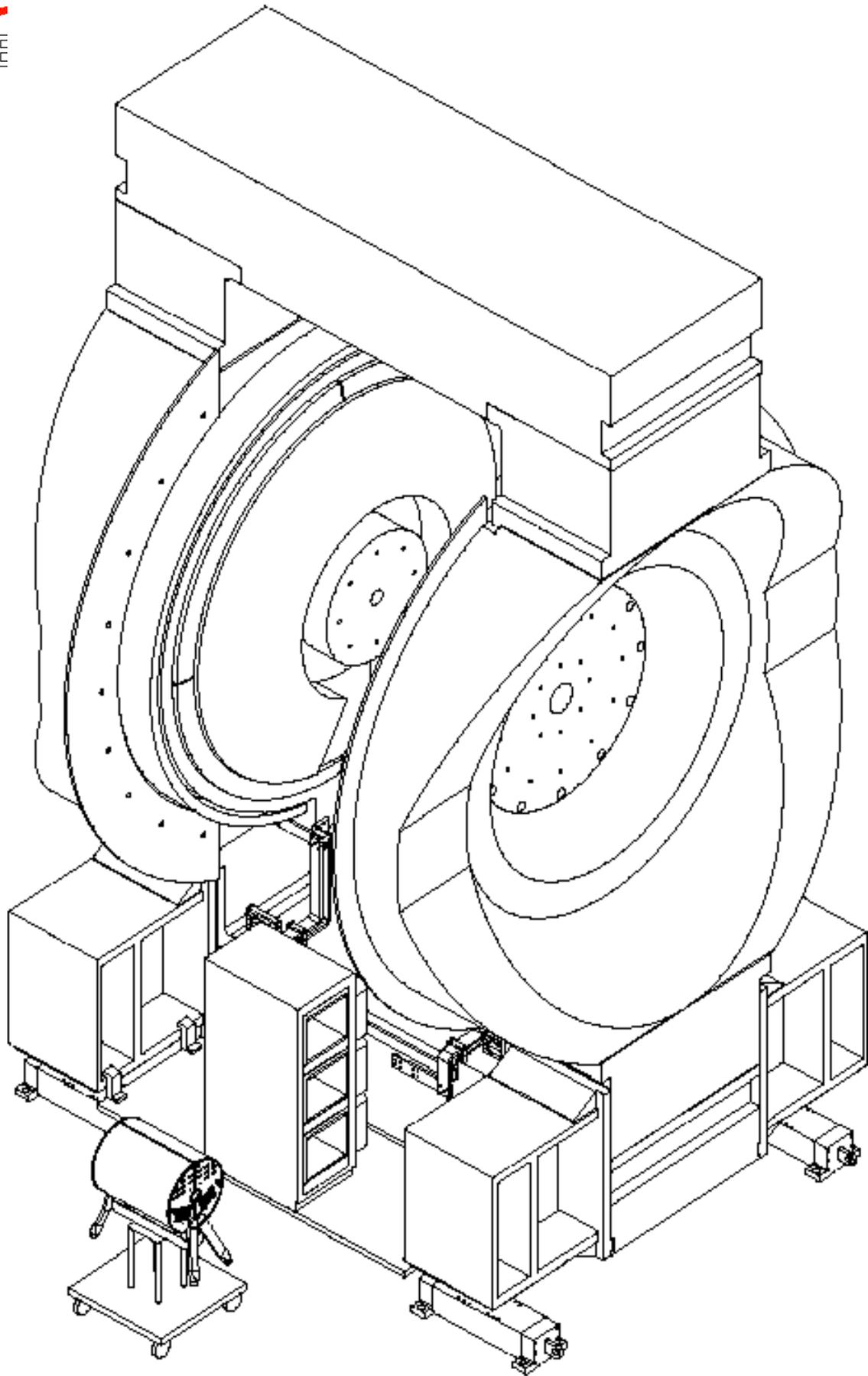
Which subsystem personnel will work on the installation and commissioning? **Simon-Gillo, Sullivan, van Hecke, Boissevain, Hahn, Schlei, Bennett, G. Xu, J.H. Kang, Y.G. Kim, S.S. Ryu, J.H.Park, Y. Takahashi, A. Smith, T. Shiina**

4. How will participation in the ER impact completion of the East Arm? **Not applicable.**

Will the piece used be the first produced, or the first part of the second half? **Not applicable.**

Which subsystem personnel will work on the fabrication?

Simon-Gillo, Sullivan, van Hecke, Boissevain, Hahn, Schlei, Bennett, G. Xu, D. Jaffe, L. Marek, R. Cunningham, R. Conway, G. Smith, R. Cope, J.H. Kang, Y.G. Kim, S.S. Ryu, J.H.Park, Y. Takahashi, A. Smith, T. Shiina



5. When will the subsystem chain test be complete? **May 98**

Which subsystem personnel will work on the chain test?

Simon-Gillo, Sullivan, van Hecke, Boissevain, Hahn, Schlei, Bennett, G. Smith, Y.G. Kim, S.Y. Kim, S.S. Ryu, A. Smith

Who is the responsible for Timing system, Serial system, Pulse generators, LVL-1 link, Data format output to DCM, Overall run scheduling- **van Hecke and Schlei**

6. What software is needed to commission the system and when will it be available? **Analysis, calibration , ancillary, monitoring, interface module, "online" and database software.**

Who is responsible?

Calibration - **Ju Hwan Kang**

Analysis- **John Sullivan (S.S.Ryu, Y.G. Kim, J.H. Park, Bennett, Schlei, Xu, Van Hecke)**

Interface module software - **Schlei and Ericson**

DCM, timing, etc - **Schlei, van Hecke**

Database - **van Hecke, Bennett**

Ancillary controls software - **van Hecke, Cunningham**

How do the software requirements interact with those of the Mock Data Challenge? **Complete interaction and agreement on schedule**

7. When will we have sufficient production FEE (fully tested) to instrument the partial West arm? **Not applicable**

When will we have enough FEE for the full East Arm? **Not applicable**

When will we have all of the FEE for both arms? **Not applicable**

8. When will we have full specs for ALL services for the subsystem (ie, cabling, power, gas, cooling, monitoring, etc)?

March 1998

Who is the responsible contact? Jan Boissevain

What is needed from SE&I and EF&I? Better response on subsystem input

9. When will the gas systems be available for the system?

Plan to install in Fall 1998

Who is responsible? Jan Boissevain

10. When will LV and HV be available? ???

Requirements have been distributed. Currently testing HV module.

Who is the subsystem contact? Sangkoo Hahn

11. What calibration systems are needed and when will they be available? Need calibration software in Spring 1998

Who is responsible? Ju Hwan Kang - software

Contact person for Online and ONCS - Hubert van Hecke

Timing, Scheduler, LVL-1 etc - van Hecke, Schlei

12. If a beam test is planned for 1998, what are its goals, who is responsible and which subsystem personnel will participate in the test? Not applicable

13. What other issues need to be considered?

Who is the PHENIX responsible for Timing system, Serial system, Pulse generators, LVL-1 link, Data format output to DCM, Overall run scheduling, ancillary, database?

ER Run has NO financial impact on project:

Always part of the plan

New Bottoms-up Exercise:

Still in progress...

\$30,000 institutional contribution (technician)

Some increases and unknowns...

NIS engineering increase in FY98

ORNL engineering increase in FY98

MCM pre-prototype overrun

MCM fab cost

ISE wafer probing cost

Final numbers in several weeks