



WG 4: MAGNETS & POWER SUPPLIES



CONVENERS: HEINER BRUECK (DESY) / JOERG ECKOLDT (DESY).

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CONTRIBUTIONS:

- COLD MAGNETS. HEINER BRUECK (DESY)
- WARM MAGNETS. B. KRAUSE (DESY)
- POWER SUPPLIES. J. ECKOLDT (DESY)
- MAGNET TECHNOLOGY FOR UNDULATOR SYSTEMS. J. PFLUEGER (DESY)



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Was the information given to the companies useful?
Was it sufficient?
Were areas missing?
Where would companies like to get more information?

- COLD MAGNETS:DEFINED.120 PIECES.**
- CURRENT LEADS:SCOPE DEFINED. FINAL SEPCIFICATION DEPEND ON THE RESULTS OF PROTOTYPE TEST. 120 PIECES.**
- WARM MAGNETS:IT DEPENDS ON BEAM OPTICS. WITH THE GIVEN OPTICS THE SPECIFICATION AND THE SCOPE ARE DEFINED. ~1.000 PIECES.**
- POWER SUPPLIES. THE TECHNICAL SPECIFICATION ARE DEFINED AND PROTOTYPES ARE BUILT. TEST ARE IN PROGRESS. FINAL DEFINITION DEPENDS ON THE OPTICS. 1.200 PS.**
- UNDULATORS. TECHNICAL SPECIFICATION DEFINED AND THE PROTOTYPE PHASE HAS BEEN STARTED. 650 M.**
- COMPANIES WOLD LIKE TO KNOW HOW TO PARTICIPATE IN THIS PHASE.**



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How is the status of preparation and elaboration of the project seen with the eyes of industry?

PROJECT IN PROGRESS AND DEPEND ON FINAL SPECIFICATION THAT WILL COME FROM THE FINAL SCIENTIFIC APPLICATIONS.

Are procurement packages well defined?

PROCUREMENT PACKAGES DEFINED WITH THE CURRENT SITUATION. DEPEND ON THE XFEL GmbH IS FORMED.

Are technical and fabrication requirements and test procedures well enough defined?

THE SCIENTIFICS APPLICATION SHOULD BE DEFINED AND ALL THE PROTOTYPE PHASE FINISHED TO HAVE THE DEFINITIVE REQUIREMENTS AND TEST PROCEDURES.



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Is there enough room for industrial optimization?

THE INDUSTRY WOULD LIKE TO PARTICIPATE BEFORE FOR THE OPTIMIZATION BUT THE INVOLVEMENT WOULD BE AT THE END OF THE PROTOTYPE PHASE.

Does industry see difficulties concerning technical requirements or delivery schedule?

AT THIS MOMENT NO.

Are there jobs, which the project wants to order in industry, which should rather be done at the institutes?

PROJECT MANAGEMENT, R&D, ETC.



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Is there interest by industry to get more involved in tests, installation, commissioning, maintenance?

YES.

Is there work, that the institutes involved in the project want to perform themselves, which industry would like to do or thinks it could do better?

YES.

..... similar questions and suggestions