



Wrocław University of Technology

EoI on  
*2.4.12 Cryogenics (local)*  
for Super-FRS

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SuperFRS Meeting on 9.10.2008



# Super-FRS Local Cryogenics - 100%

2.4.12.1 Helium distribution box

2.4.12.2 Feedbox (without end-box integrated) for dipole stages

2.4.12.3 Feedboxes for Multiplet stages

*2.4.12.3.1 Feedbox (without end-box integrated) for multiplet stages*

*2.4.12.3.2 Feedbox (with end-box integrated) for multiplet stages*

2.4.12.4 Cryogenic transfer line in sections [m]

2.4.12.5 Warm helium/quench gas return piping [m] (350m or 500m?)

2.4.12.6 Safety valves

2.4.12.7 Instrumentation setups

2.4.12.8 Feedbox control system

2.4.12.9 Current leads

???

*2.4.12.9.1 Vapour cooled type*

???



# Present actions at WUT

1. Engineering team under organisation
2. Prefinancing of R&D and desing from Polish Ministry of Science and Higher Education expected
3. Discussions with industrial partners in progress



# Preliminary schedule

Beginning of Engineering Design: March 2009

Administrative preconditions:

Foundation of the FAIR GmbH

Pre-financing by Polish Agency started in the end of 2008

Final Engineering Design:

Mid of 2010

Administrative preconditions:

Financing by Polish Agency started in the middle of 2009

Preseries Models Tested:

End of 2010

Beginning of Production:

End of 2010

End of Production and Testing  
at Polish Contractor Sites

End of 2012

End of Installation and Testing

Early of 2013