

# Status of works on the Collaboration Contract between IHEP and FAIR

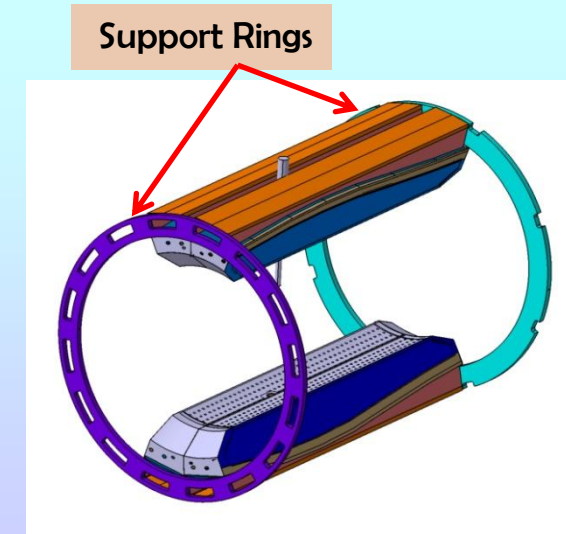
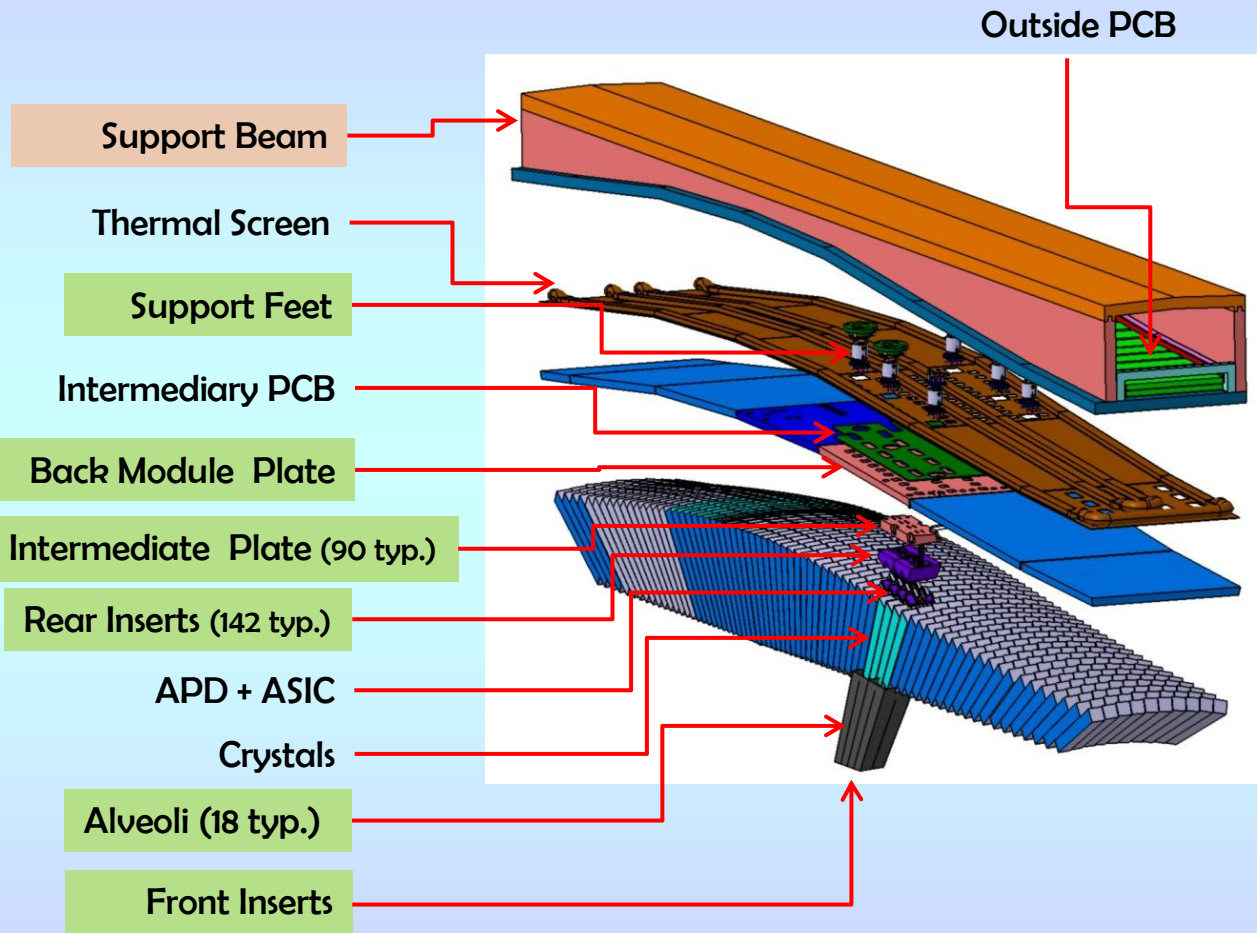
*Andrey Ryazantsev*

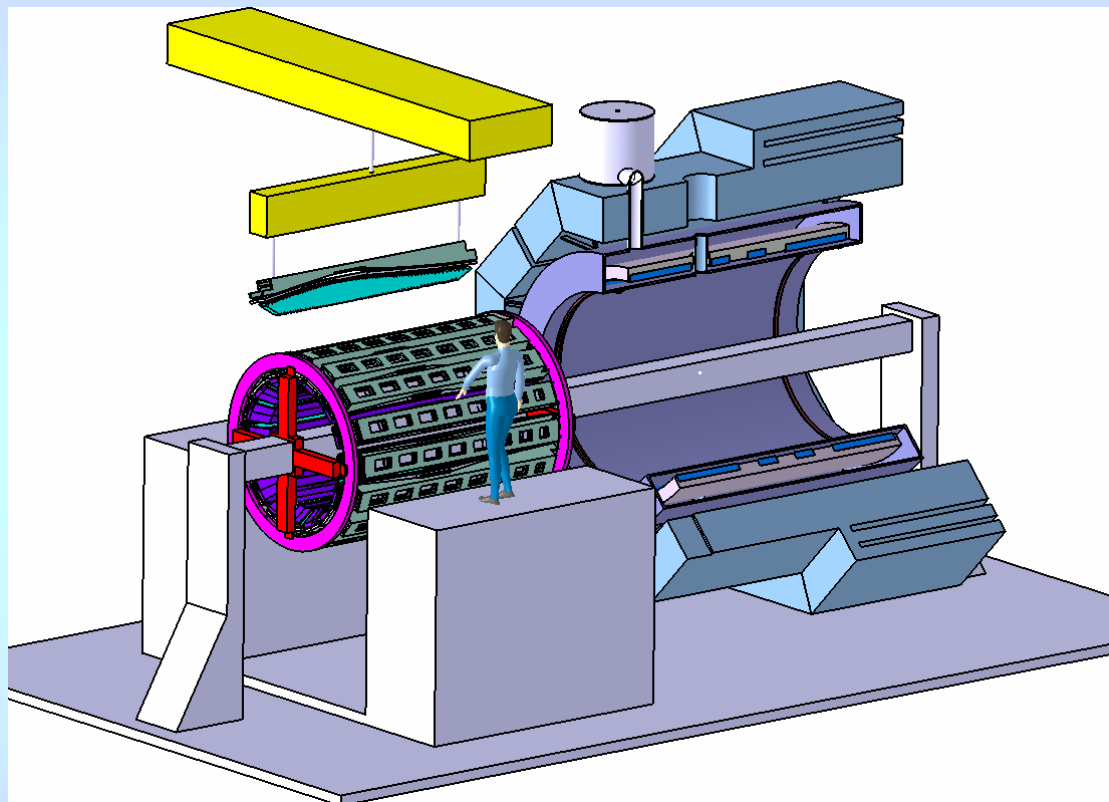
*on behalf of the IHEP-Protvino group*

# Major milestones for the EMC Barrel Mechanics

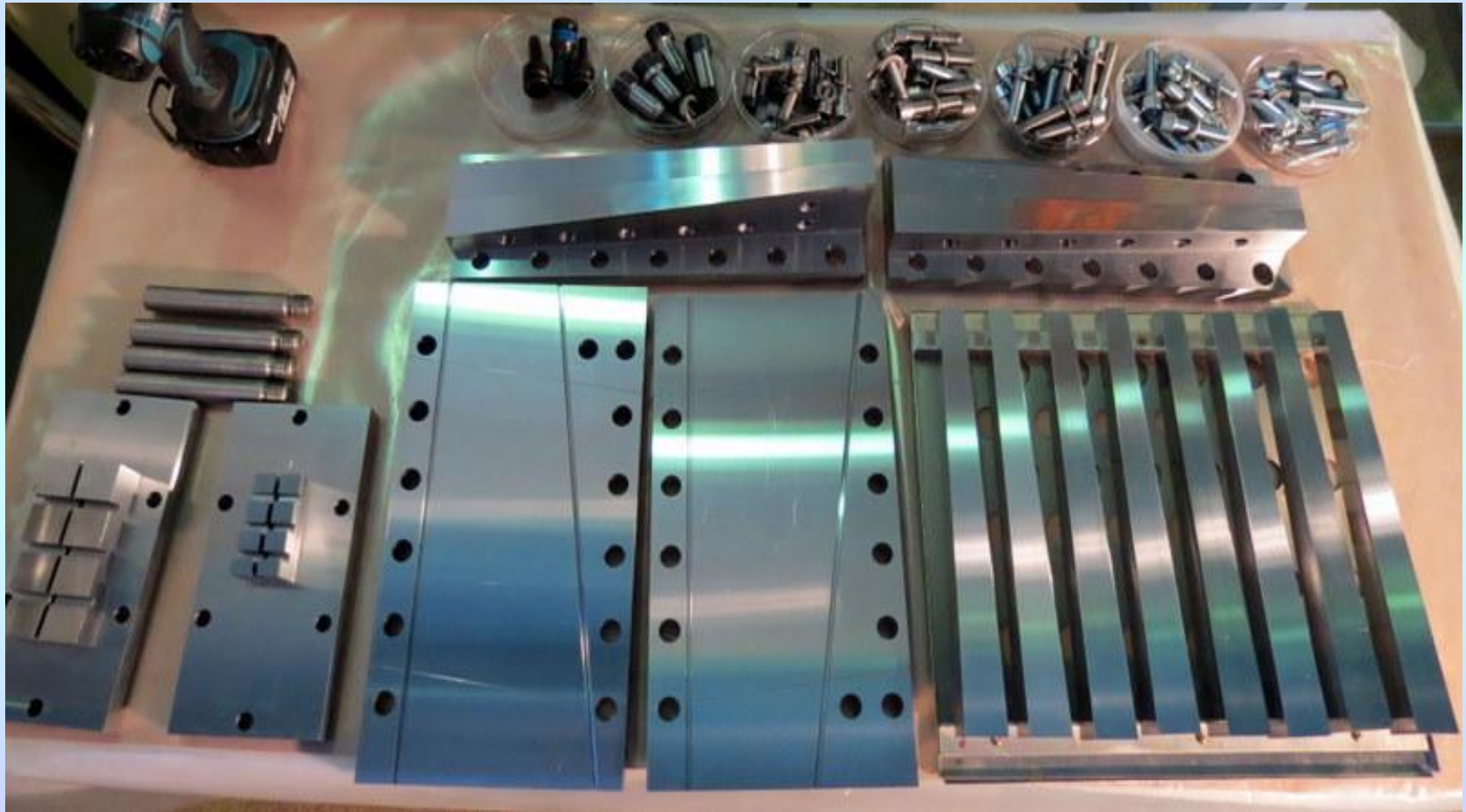
Mile-stone	Work Description	Prerequisites to start work / procurement	Validation Criteria	Date
0.0	Design, production and acceptance of Prototype		Prototype	Nov 2013
0.1 M5	Delivery of Quality Plan as specified in Article 5, and the detailed timetable as specified in Article 4.2	0.0	Plan Review	Dec 2013
Pre-Series Slice				
1.1 M6	Finalise technical specifications		Technical specifications	Nov 2013
1.2	Design and delivery of 3D model and design of main support structures (support beam, support feet, module plate)	0.0, 1.1	Delivered 3D model and design drawings	Apr 2014
1.3 M7	Develop design documentation for Pre-Series Slice	0.0, 0.1, 1.1	Final Design Review for Pre-Series Slice	Sep 2014
1.4	Production and delivery of batch 1 of Pre-Series Slice (PSS-B1)	1.2	SAT Aa for PSS-B1	Mar 2015
1.5	Production and delivery of all remaining components (batch 2) for Pre-Series Slice (PSS-B2)	1.3	SAT Aa for PSS-B2	Sep 2015
1.6 M8	Testing of Pre-Series Slice	1.5	SAT Ab for mechanics of Pre-Series Slice	Mar 2016







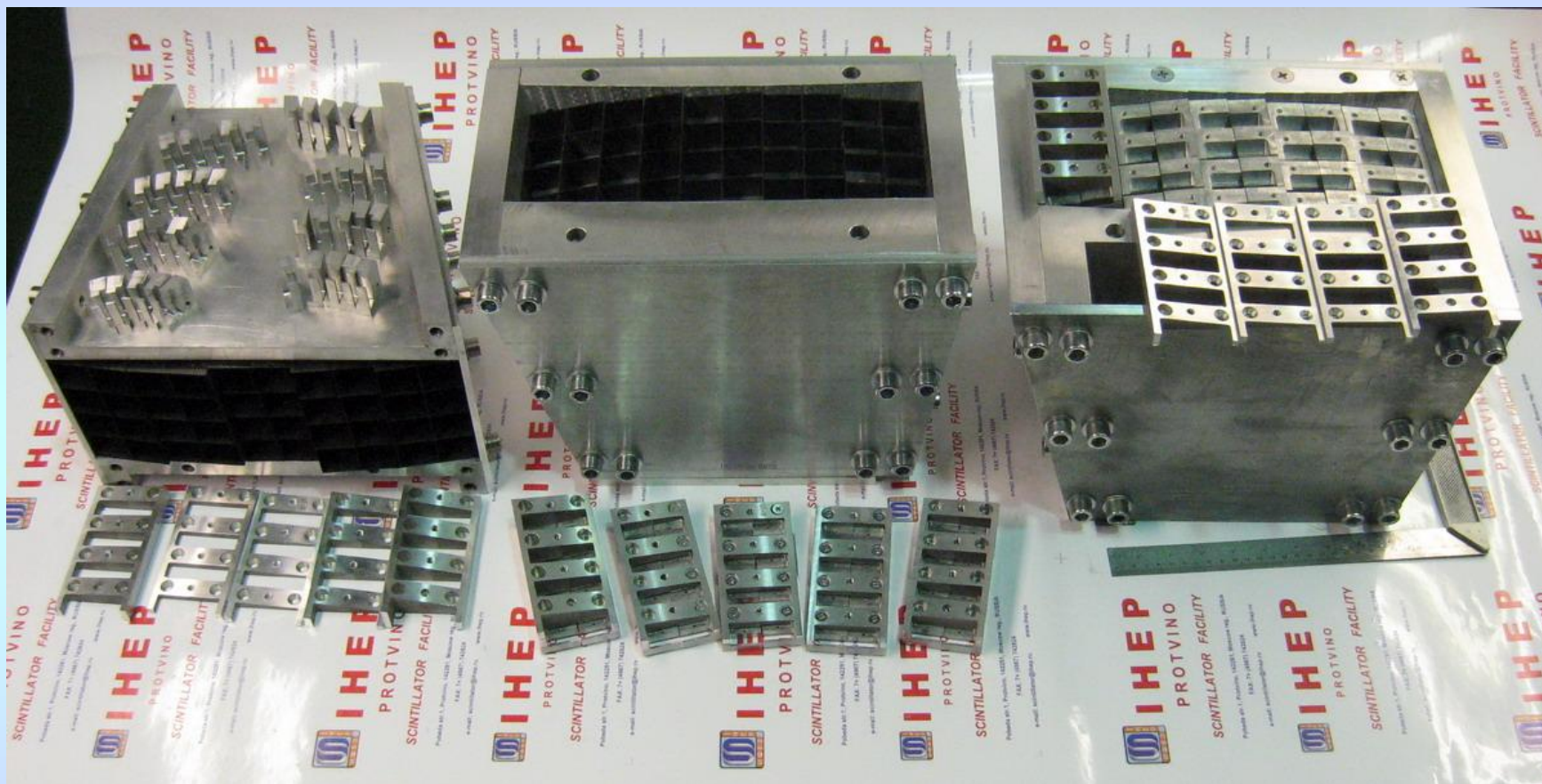
## Mold for single alveoli production





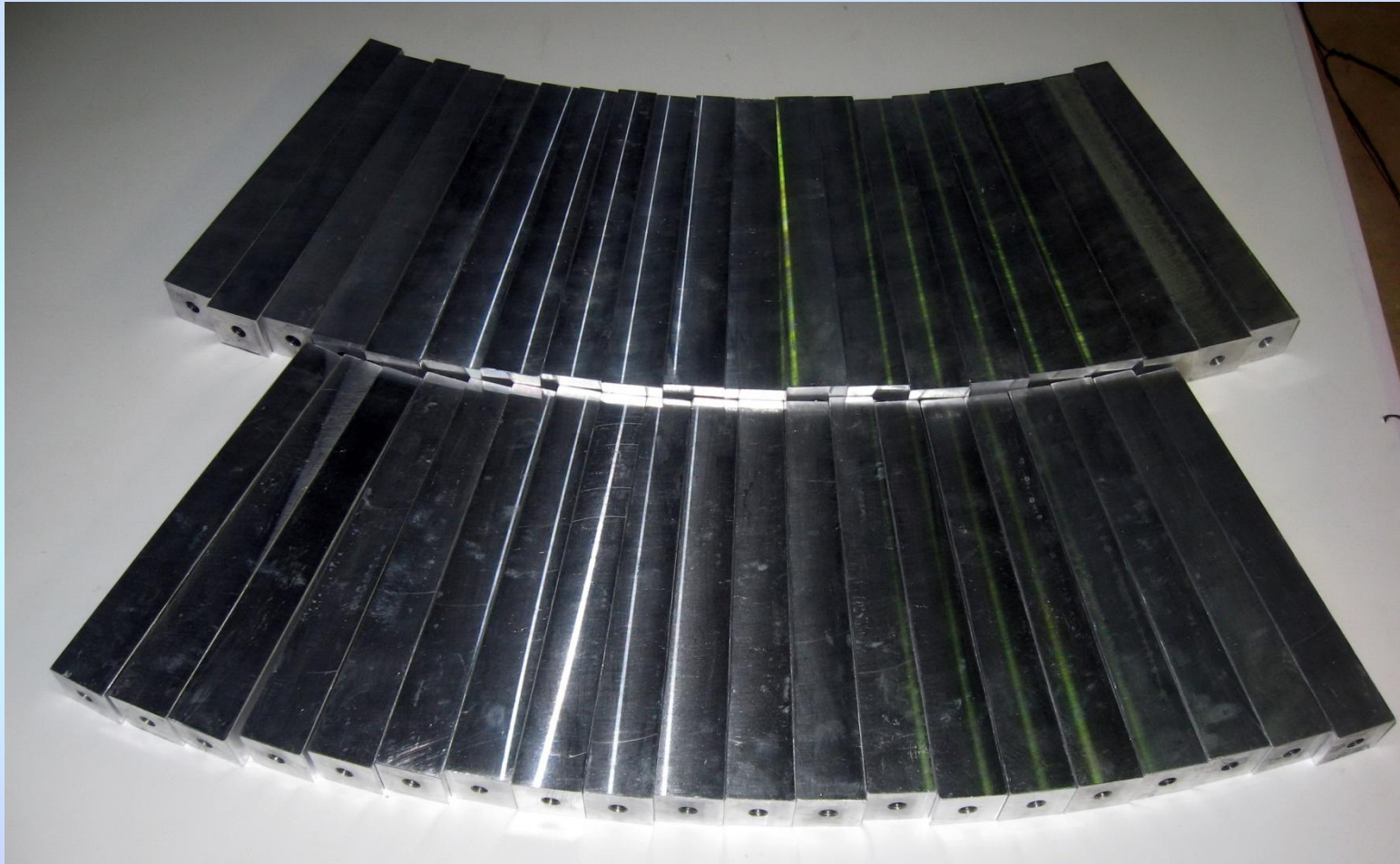


# Rear inserts with intermediate plates





## Dummy crystals





- *IHEP Designers dep. is developing the production drawings of necessary tools and components “type-by-type”*
- *Tenders for subcontractors are in progress, as well as manufacturing of the components and tools*
- *Progress reports to FAIR and PANDA EMC-system coordination are sent monthly*
  
- ☐ *Design of front inserts – waiting for the final solution about the monitoring system .*
- ☐ *Mounting of the thermal screen – is there detailed description?*
- ☐ *Conceptual solution on the support structure – URGENT!!!*