



MVD update





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Working hypothesis: **MVD routing: disks** Solution ... (!?) Decrease of outer radius barrel layer 4: $r_{max} = 140 \text{ mm} - 5 \text{ mm} \rightarrow r_{max} = 135 \text{ mm}$ Global MVD support: r = 137 mm ... 141 mm -> Space: 8,228 mm² Remark: Additional space at radii > 150 mm along CF for cooling pipes : 20 mm (width) up to min. r = 175 mm → Additional space outside r = 150 mm: > 1,400 mm² Check: Effects for strip disks - Coverage tests PANDA Collaboration Meeting - MVD, FZJ, September 8, 2009 - 13 -

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Following the new constraint a new frame is under study. Ribs are embedded into the structure.













Some ancillary parts as micro fittings and micro curves for the cooling circuit made out of Ryton R-4-220 are under construction.

Delivery at beginning of 2010

Test foreseen:

- visual & dimensional,
- water absorption,
- long term functional operation.



