

# **HMPID detector alignment procedure**

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#### **Detector layout**









#### **Radiator vessels**

 Position of all radiator vessels wrt supporting frame measured with comparators by CERN metrology lab



Module 5



 Position of pad cathodes known by drawings (play for mounting ~ 200  $\mu$ m)

#### **Pad cathodes**





 However when mounted on the support cradle and then on the spce-frame the corner pinholes are not visible anymore....





We agreed the following procedure with C. Lasseur/ A. Bahrens:

1) Translate corner pinholes coordinates using targets visible after mounting on cradle, survey of 7 modules





2) Add on cradle new targets visible from outside the L3 Magnet

3) Survey cradle with all modules before insertion and after insertion





- All 7 modules have been measured
- Fixed targets to be put on cradle are under study