News on the Forward Tracker

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- Frames for FT1, 2
- Production of FT1, 2 modules
- Measurement of anode wires positions



FT1, 2

Support frames for FT1, 2

4 rectangular frames, each consisting of left and right half-frame,

support 8 double layers of straws:





Support frames for FT1, 2

The half-frames are mounted on two movable tables to facilitate the installation on the beam line.



Frame with mounted straw tube modules



Inspection of straw positions in the module



Number of counts *N* in the straw in function of the source x-coordinate (scanning step $\Delta x = 0.5$ mm)



Straw circumference:

$$(x - x_0)^2 + (y - y_0)^2 = R^2$$

Number *N* of absorbed X-rays:

$$N = a(y - y_0)$$

 $(x - x_0)^2 + (N/a)^2 = R^2$

Tested module mounted near x-y positioning stage



Skan of straw positions





Inspection of anode wire positions

Number of counts in function of the source x-coordinate

x-coordinate

(skanning step $\Delta x = 0.5$ mm)



As above but after adding 2% O_2 to the working gas (skanning step $\Delta x = 0.2 \text{ mm}$)



Skan of wire positions

