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REMANENT KICK OF JANUS KICKER MAGNETS

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After the conclusion of the tests the remanent kick of the system was measured. The method is the same as used to measure the remanent kick for the prototype (see TN-214).

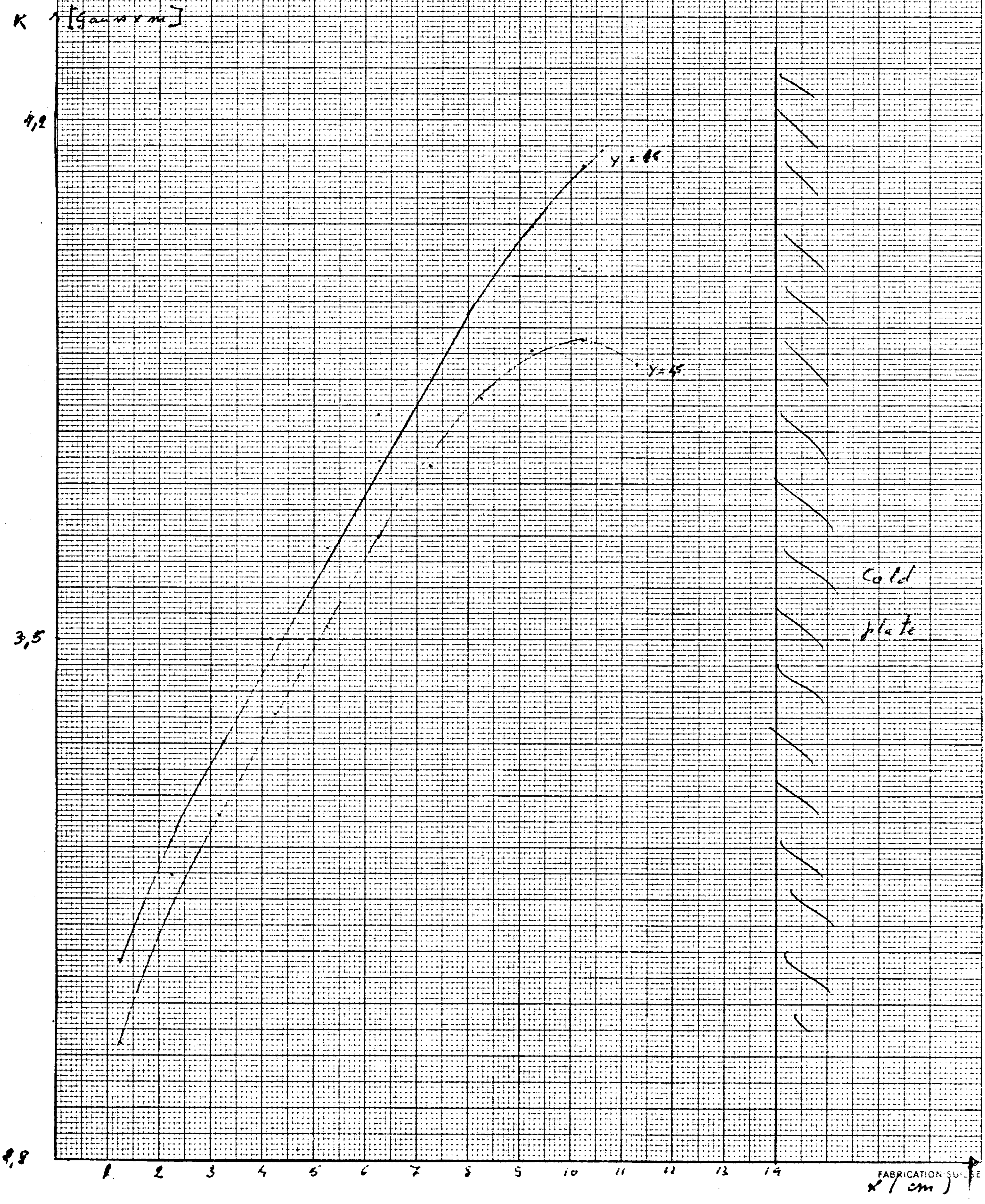
Graph 1 gives the radial distribution of the remanent kick of the whole fast kicker, 3.47 m long, for two vertical positions at 15 mm and 45 mm from the bottom of the aperture.

Graph 2 gives the radial distribution for each module at 45 mm from the bottom of the aperture and graph 3 the same radial distribution at 15 mm from the bottom of the aperture.

Finally, graph 4 gives the vertical variation of the total kick for three radial positions at 30, 70, 110 mm from the hot plate.

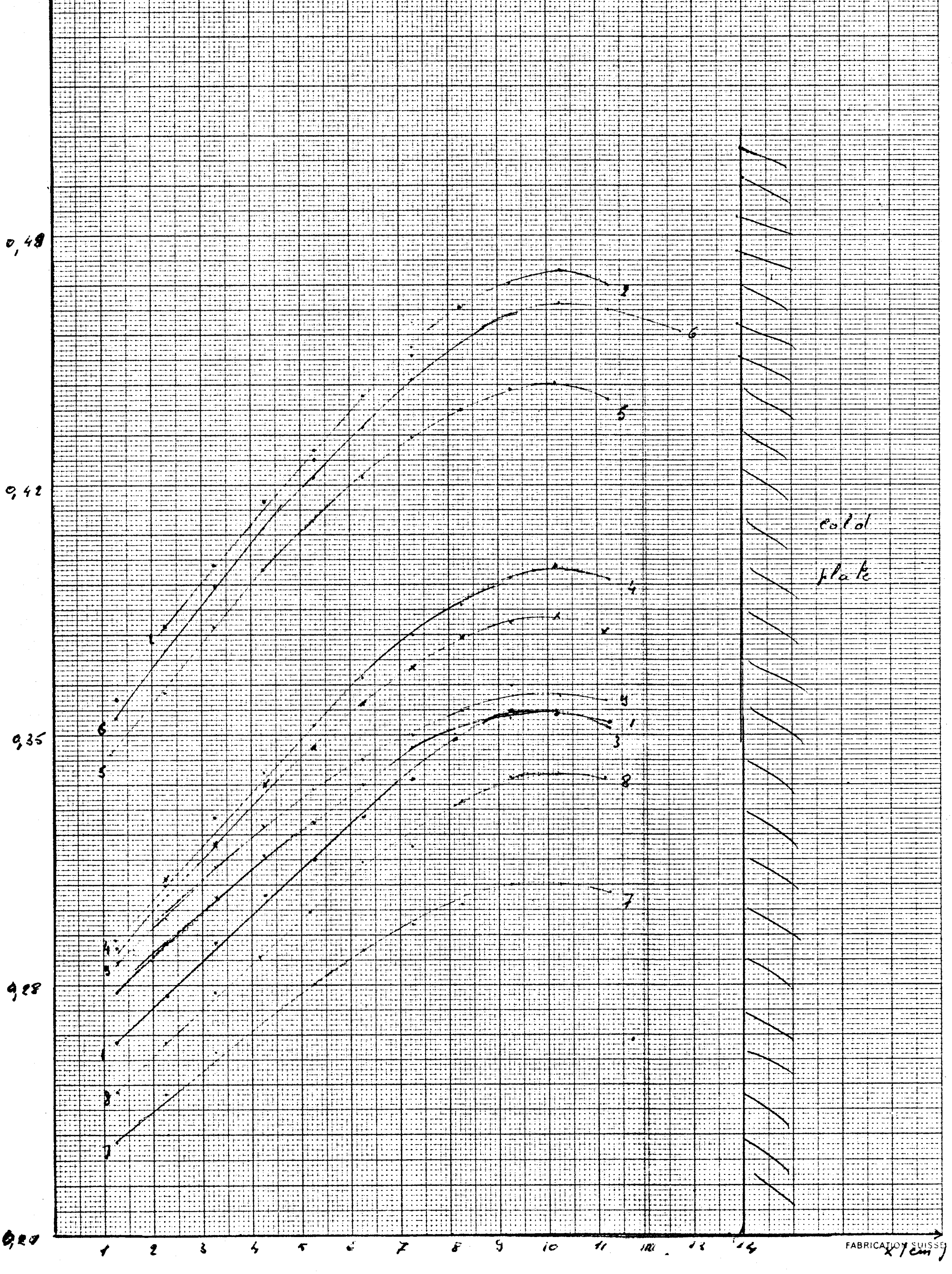
The accuracy in the positioning of the coil is $\pm$ 1 mm and the accurary in the reading of the D.V. is of 2 $^{o}/_{o}$.

graph Remanent Kick vs radial position for all the kickers at two transversal positions



Remanent kick of cool module vs radial position at 45 mm from the bottom of the aperture

Graph 2



Permanent field of each module vs radial

Graph 3 position at 15 mm from the bottom of

the aperture