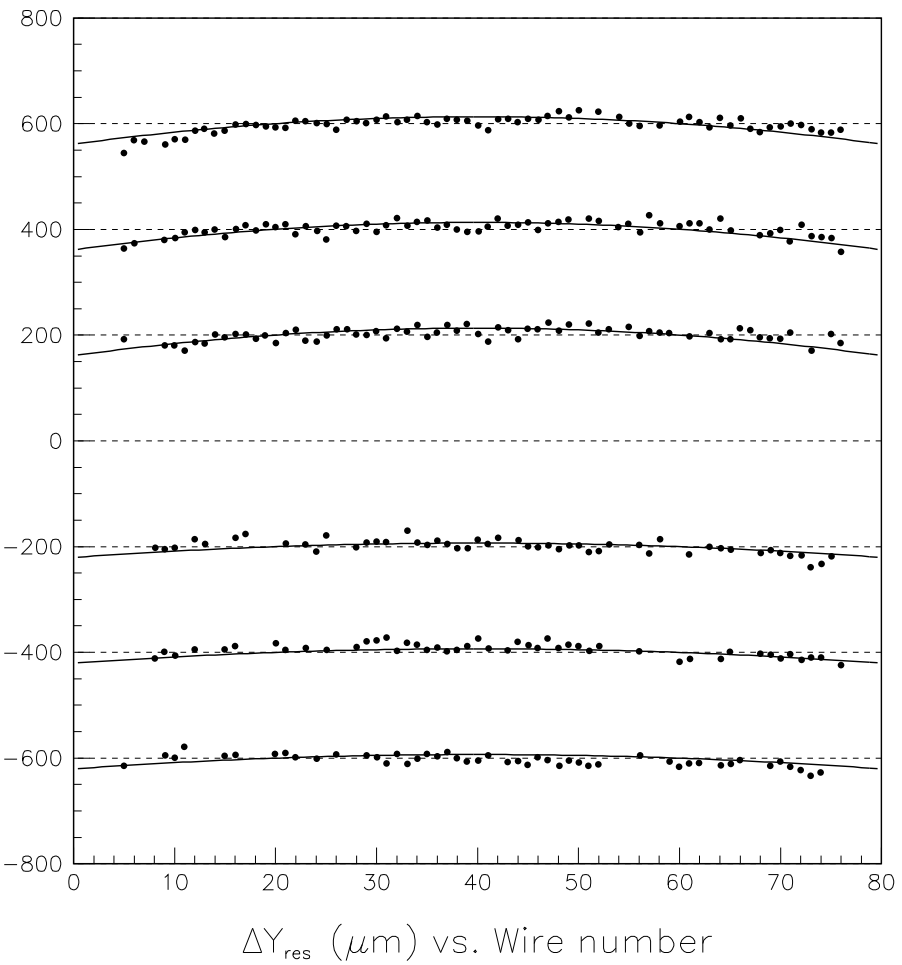
Thermal Deformations

Heating from top:

2° C temperature gradient from bottom to top tube layer.

$\Longrightarrow$ **Thermal expansion of tube layers as expected for aluminum: $25\ \mu$m/m/$^\circ$ C.**

$\Longrightarrow$ **$14\ \mu$m/$^\circ$ C average bending of chamber ends; reproducible.**



Horiz. pitch	ΔT [$^\circ$ C]
30.0373 mm	2
30.0369 mm	1.5
30.0363 mm	0.6
30.0358 mm	0
30.0358 mm	0
30.0358 mm	0