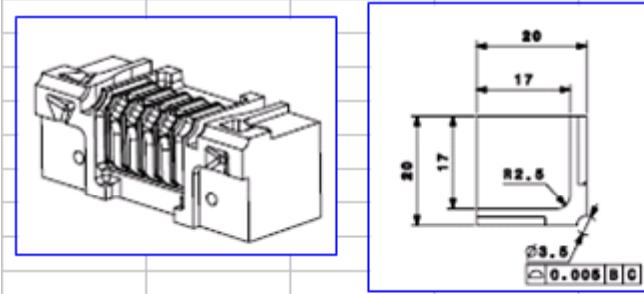


# HDS tk Cu

- NC detected
  - 2 balls per quadrant, no specified torque, no cleaning ==> frequency shift: 120 MHz, reflection=3dB, transmission=16dB (structure #1 and #2)
  - 1 ball per quadrant, torque = 5 kg.cm, no cleaning ==> frequency shift: 80 MHz, reflection=3.7dB, transmission=3dB (structure #1)

HDS thick - measurement of the total thickness				
	applied torque = 5 kg.cm			
	measurement with micrometer			
	13-12	13-11	14-12	11-14
no balls	40.057	40.068	40.070	40.044
	40.062	40.072	40.069	40.042
1 ball	40.057	40.068	40.072	40.046
	40.062	40.071	40.069	40.042
2 balls	40.057	40.068	40.074	40.046
	40.062	40.072	40.071	40.050

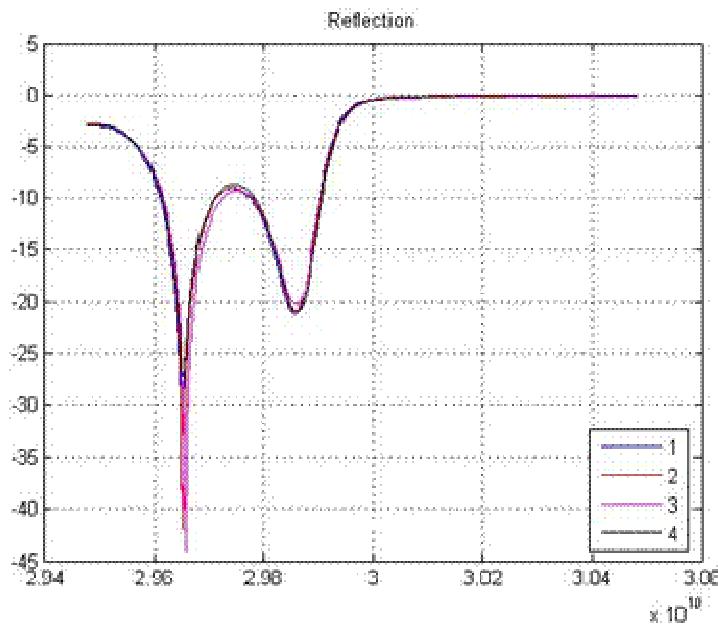
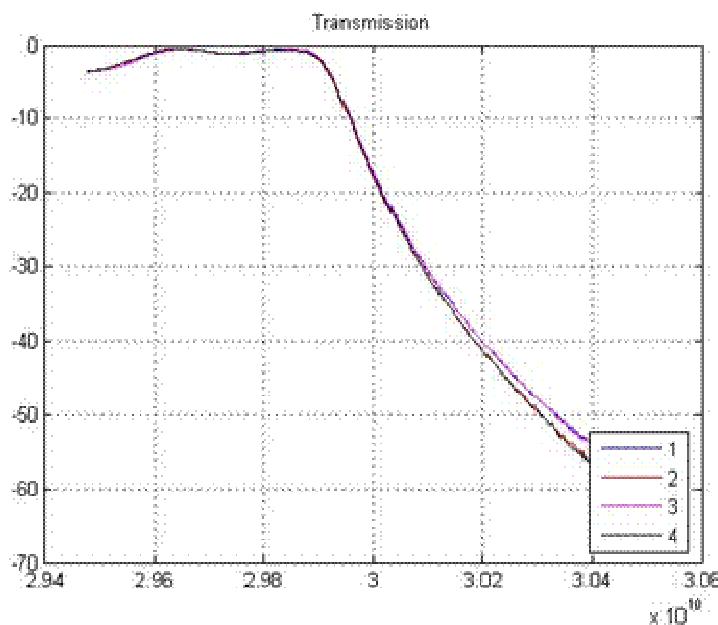
The technical drawing consists of two parts. On the left is a 3D-like side view of the component, showing its profile and internal structure. On the right is a top-down view with various dimensions labeled: height 20, width 17, depth 12.5, and a small feature labeled 6.5. There is also a note indicating a tolerance of ±0.005 for dimensions B and C.

Franck,  
21.05.2007

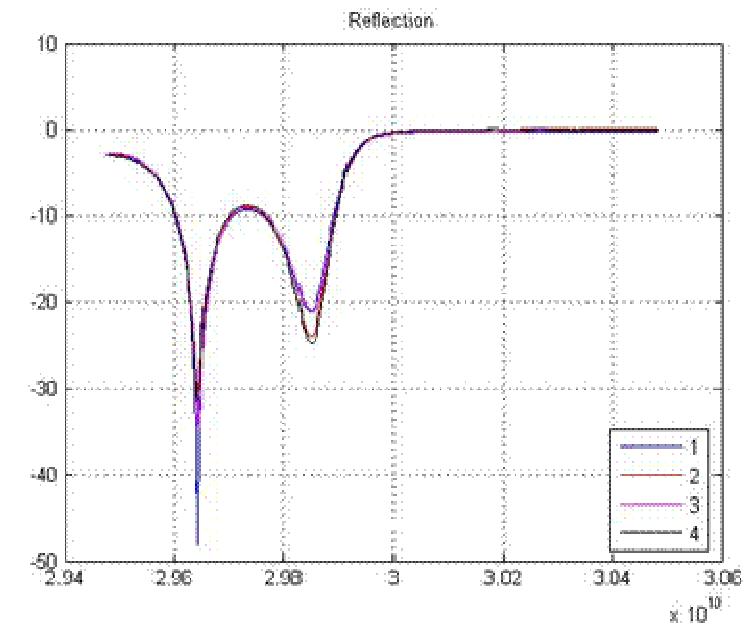
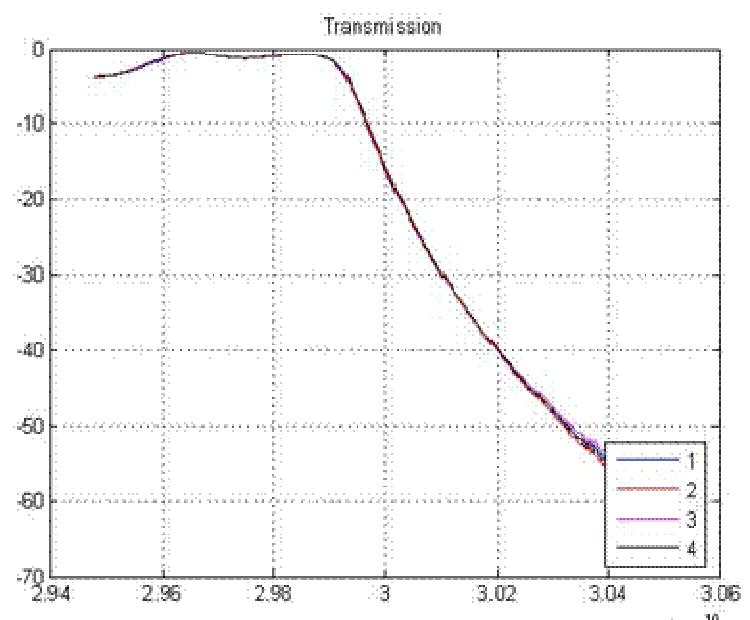
# HDS11 Cu THICK

R. Fandos,  
15.05.2007

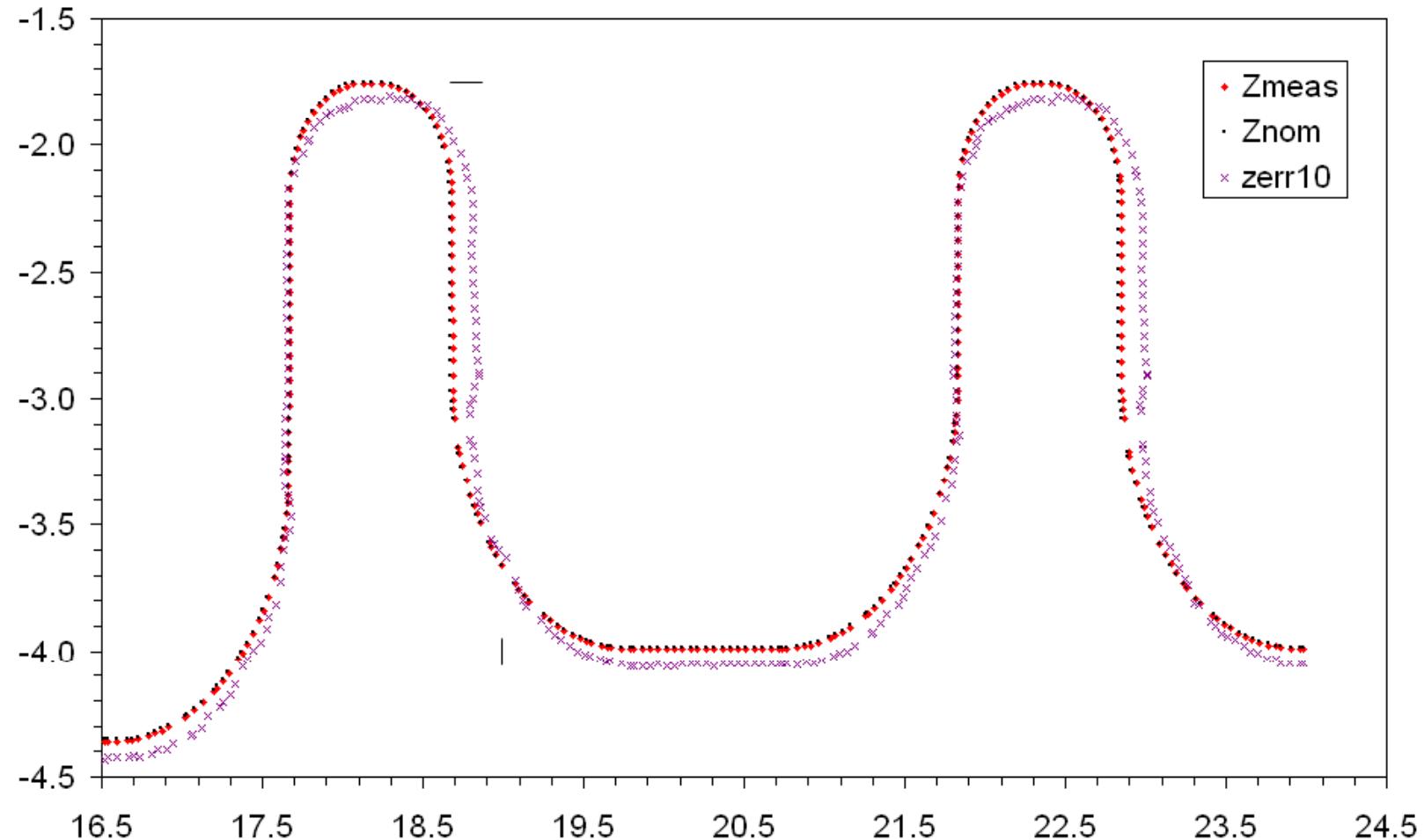
Saclay



CERN

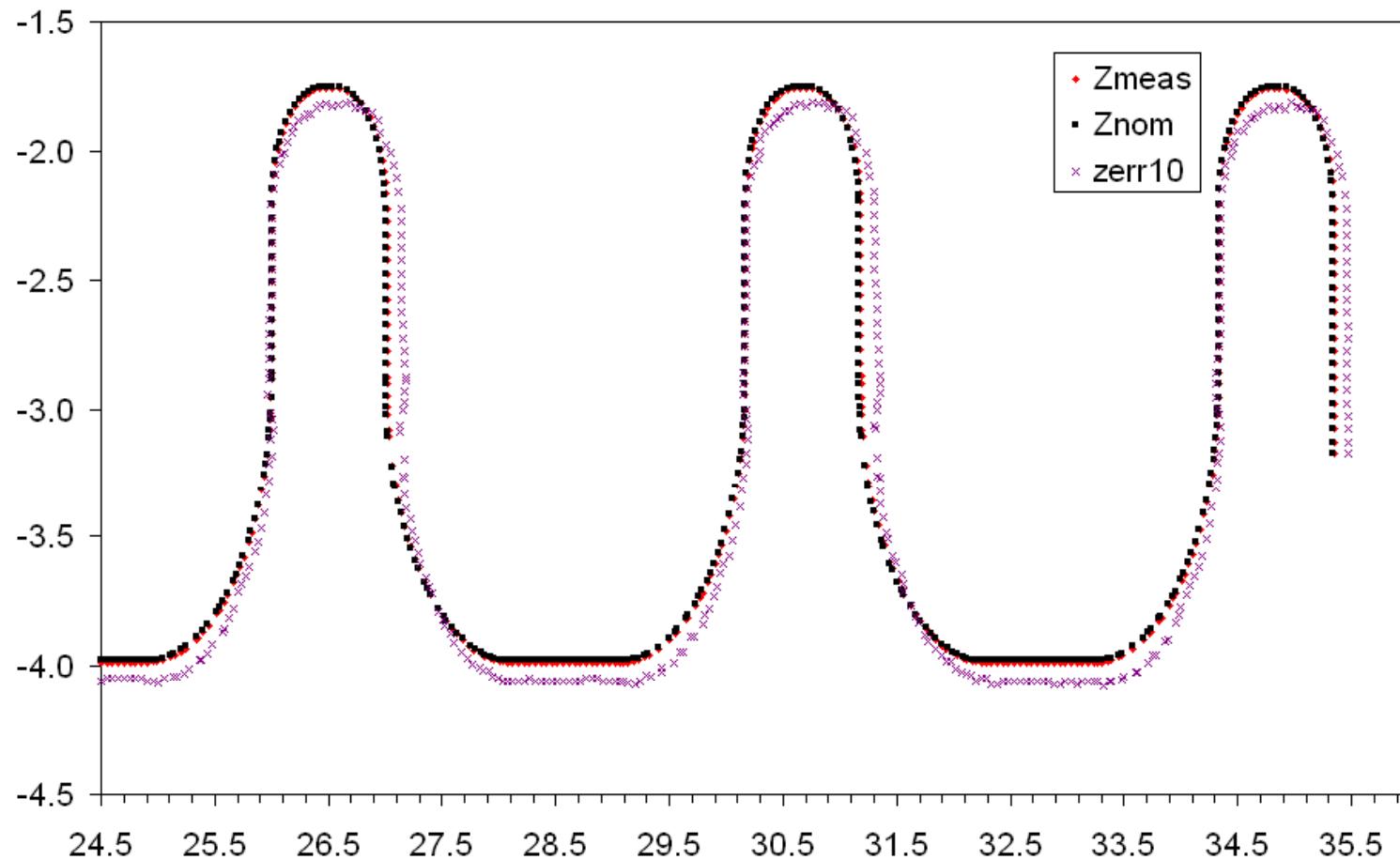


# Dimensional control 1.1



TS-MME and M. Taborelli,  
23.05.2007  
<sup>3</sup>

# Dimensional control 1.1

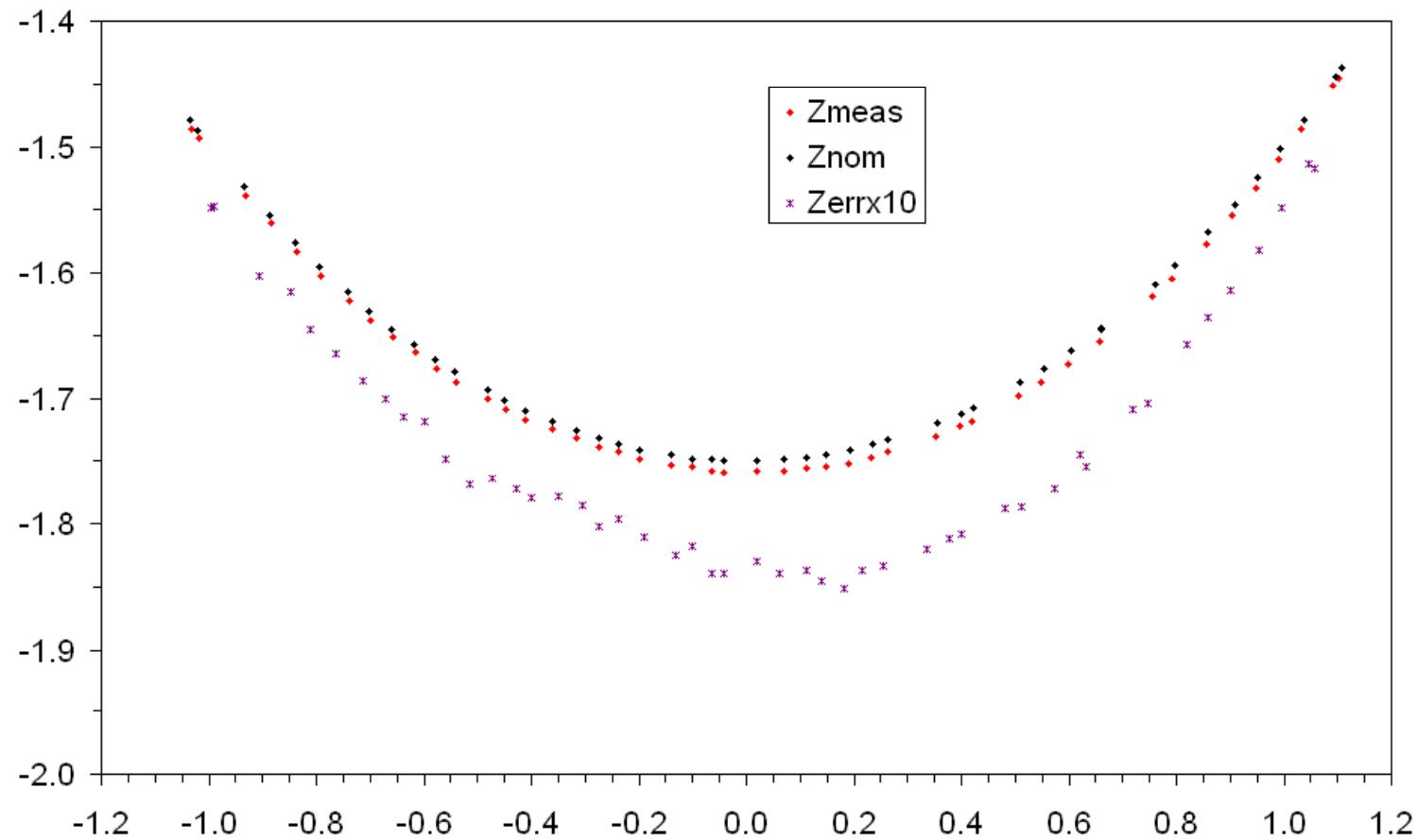


Profile seems to lie too low with respect to the beam axis.

The bottom of the cavities is about 8 microns too low and about the same for the top

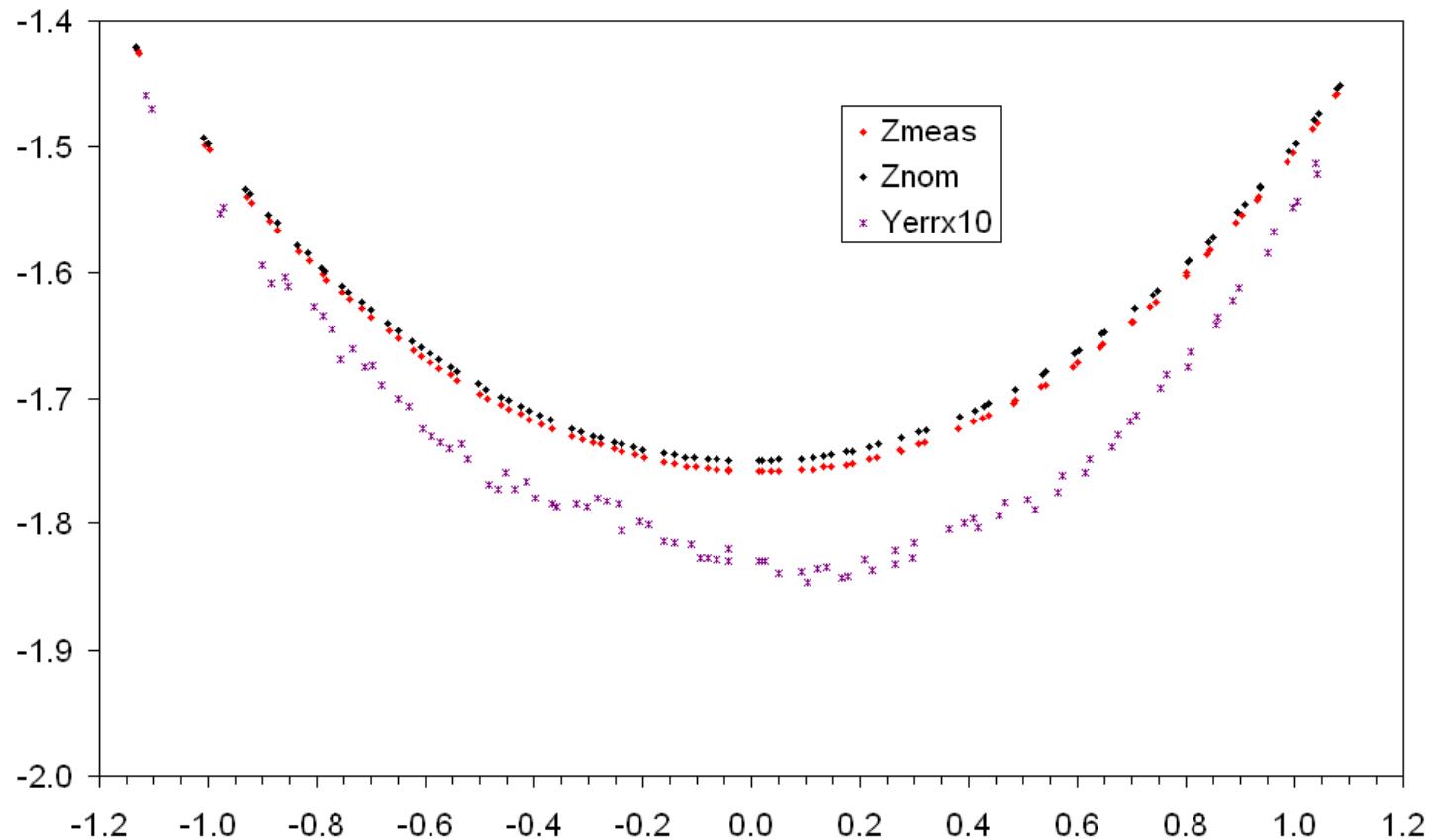
TS-MME and MT<sup>4</sup>

# Dimensional control 1.1



TS-MME and MT<sup>5</sup>

# Dimensional control 1.1



TS-MME and MT<sup>6</sup>