

Preliminary Test Results with the Flex-GT α

Flex-GT α

**ACEA Tests at BAST / BGS
March 2007**

**Targets:
Vehicles
Test Rig
Inverse Testing**

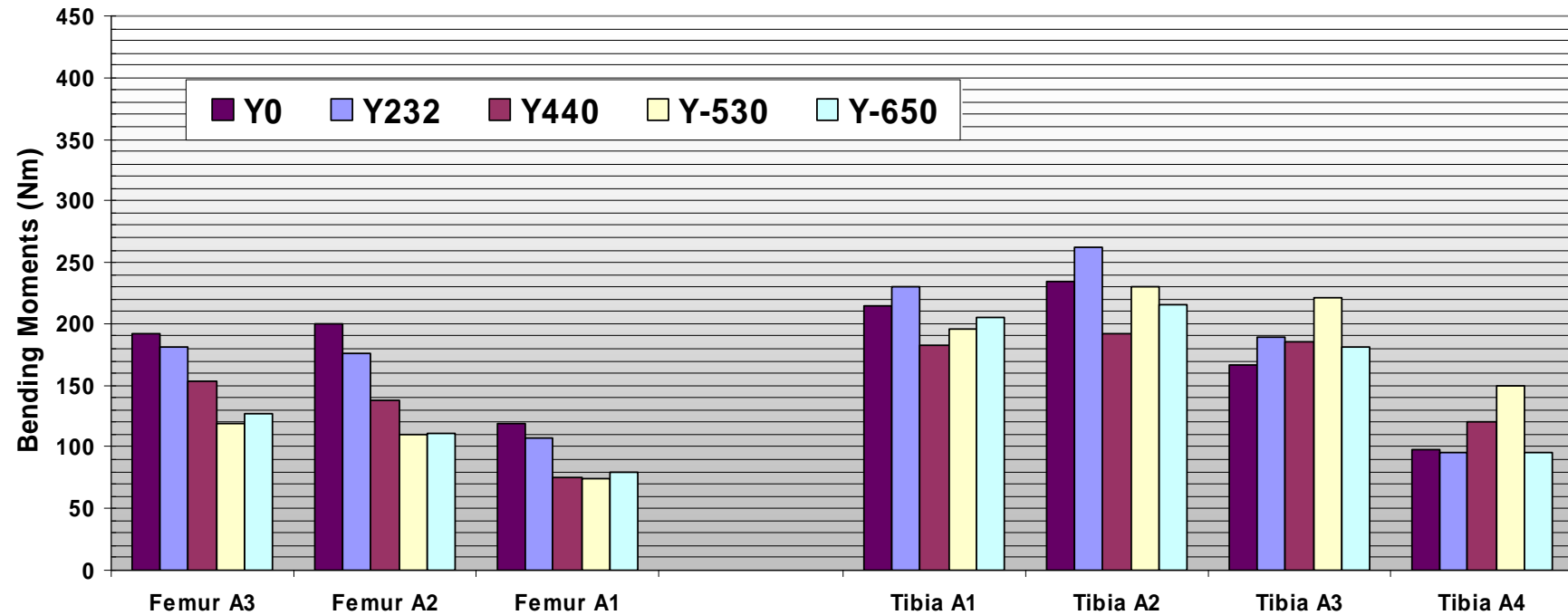
Vehicle tests performed according to the draft GTR and to recommendations of JARI

Preliminary Test Results with the Flex-GT α

FlexPLI and vehicle

One box type vehicle: Bending Moments

5 different test positions; 1 test per position

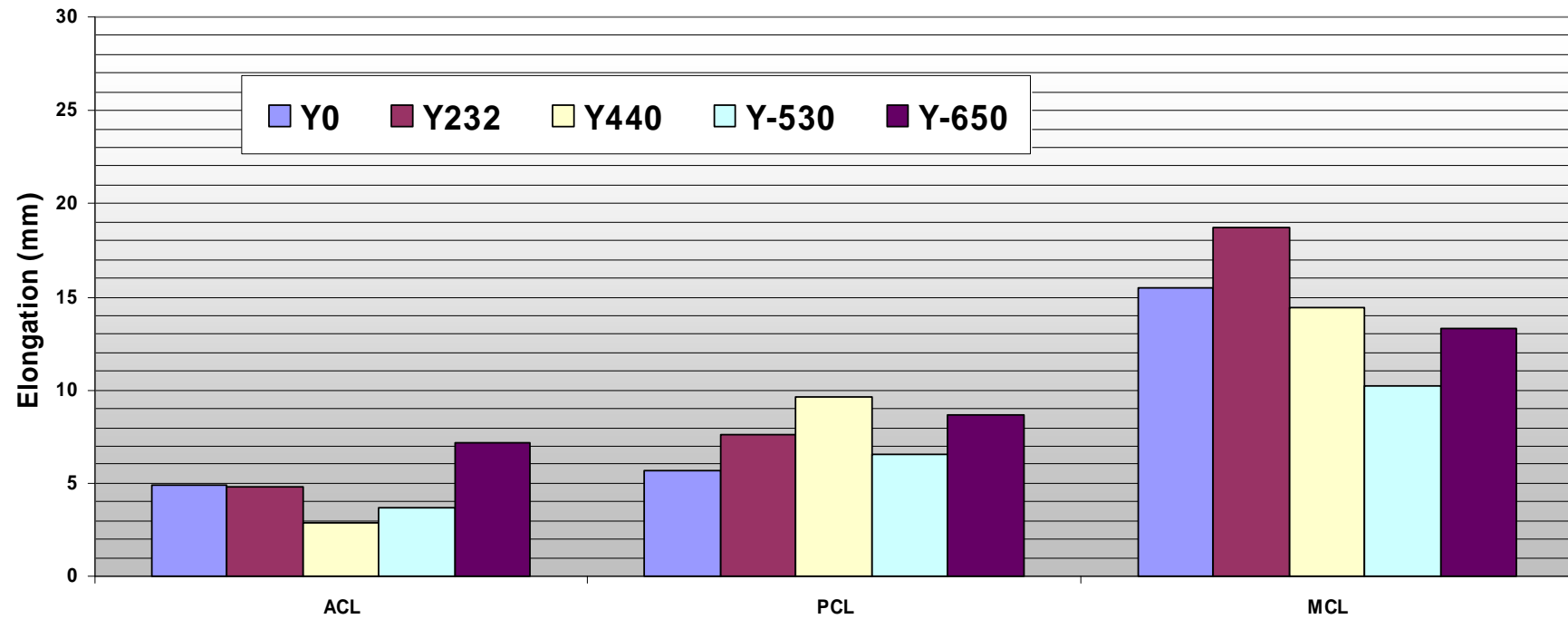


Preliminary Test Results with the Flex-GT α

FlexPLI and vehicle

One box type vehicle: Elongation

5 different test positions; 1 test per position



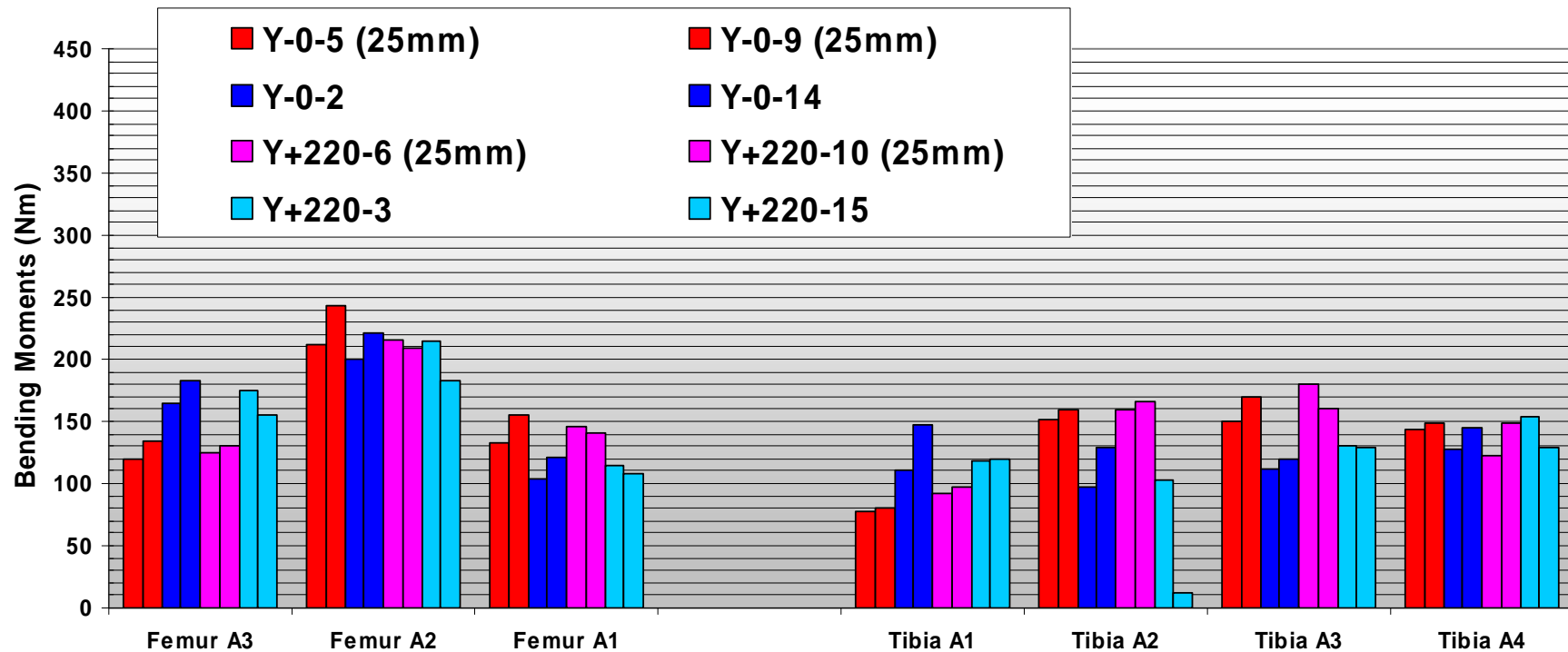
Preliminary Test Results with the Flex-GT α

FlexPLI and vehicle

Sport type vehicle: Bending Moments

Y +0; Y +220

2 test positions; 2 + 2 tests per position



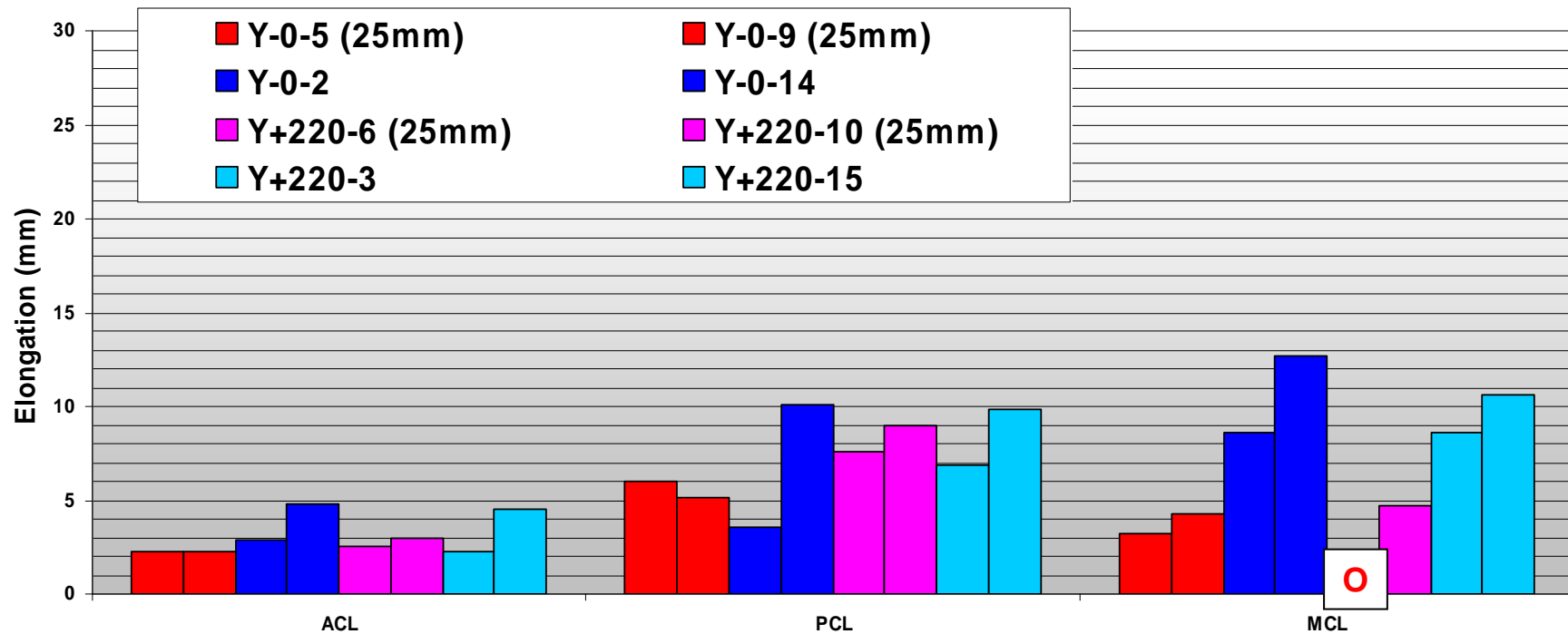
Preliminary Test Results with the Flex-GT α

FlexPLI and vehicle

Sport type vehicle: Elongation

Y +0; Y +220

2 test positions; 2 + 2 tests per position



 = measurement error

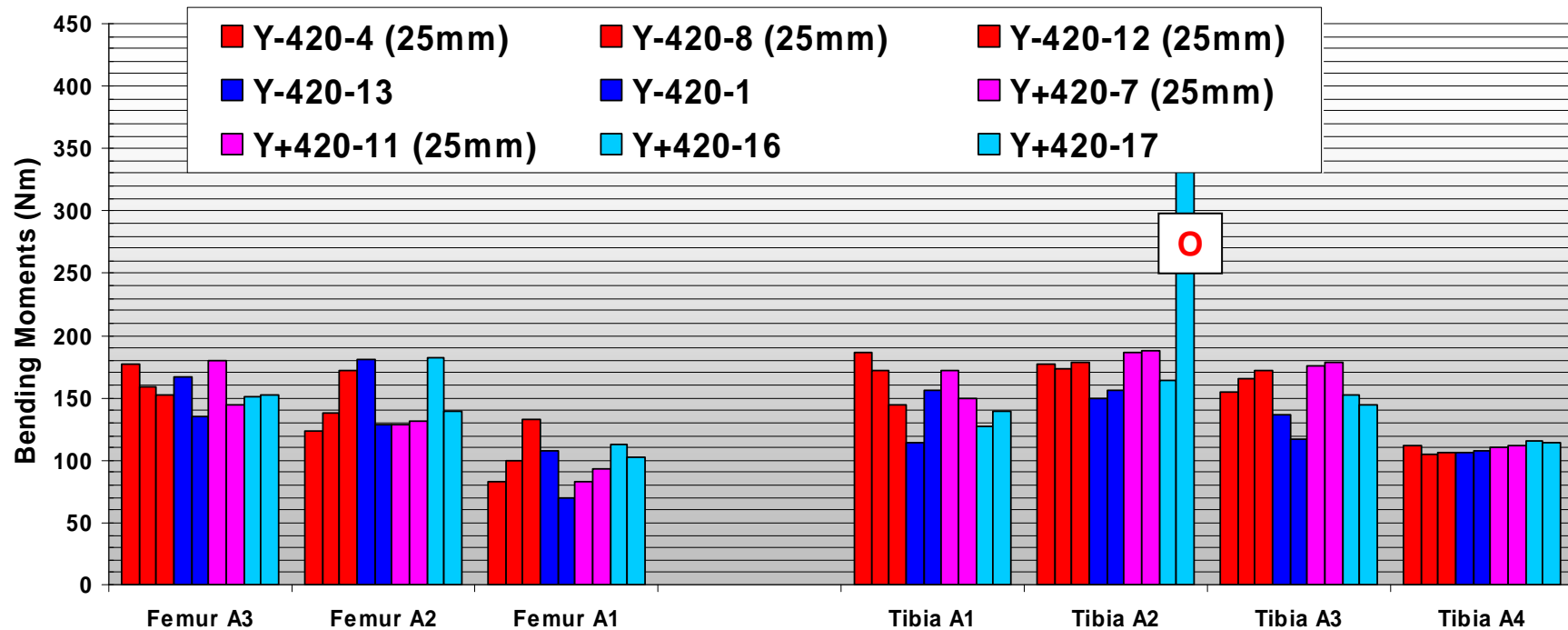
Preliminary Test Results with the Flex-GT α

FlexPLI and vehicle

Sport type vehicle: Bending Moments

Y -420; Y +420

2 test positions; 2(3) + 2 tests per position



 = measurement error

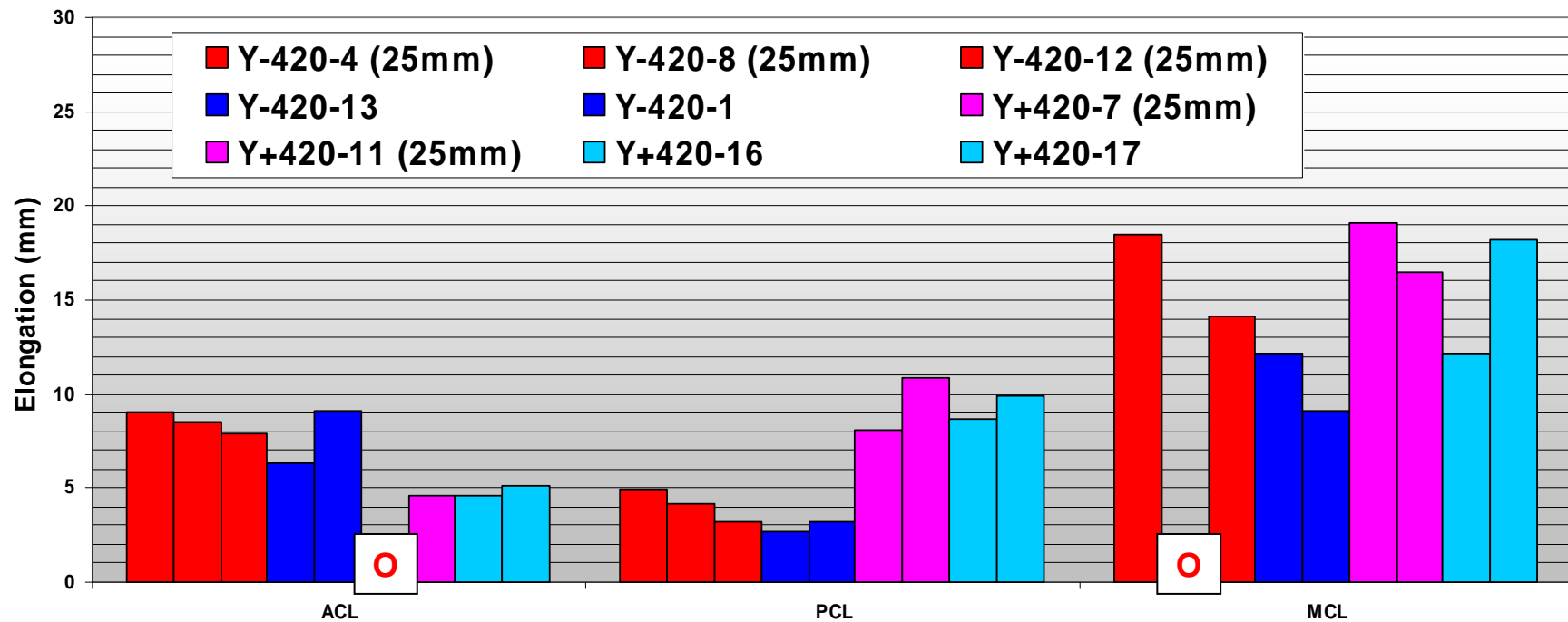
Preliminary Test Results with the Flex-GT α

FlexPLI and vehicle

Sport type vehicle: Elongation

Y -420; Y +420

2 test positions; 2(3) + 2 tests per position



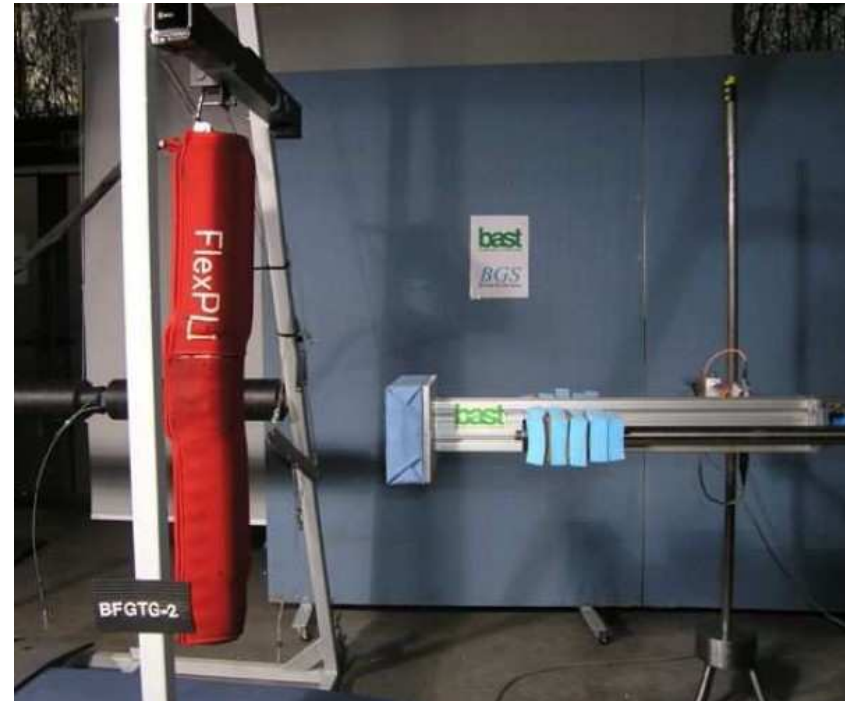
 = measurement error

Preliminary Test Results with the Flex-GT α

Test rig equipped with foam



Inverse testing

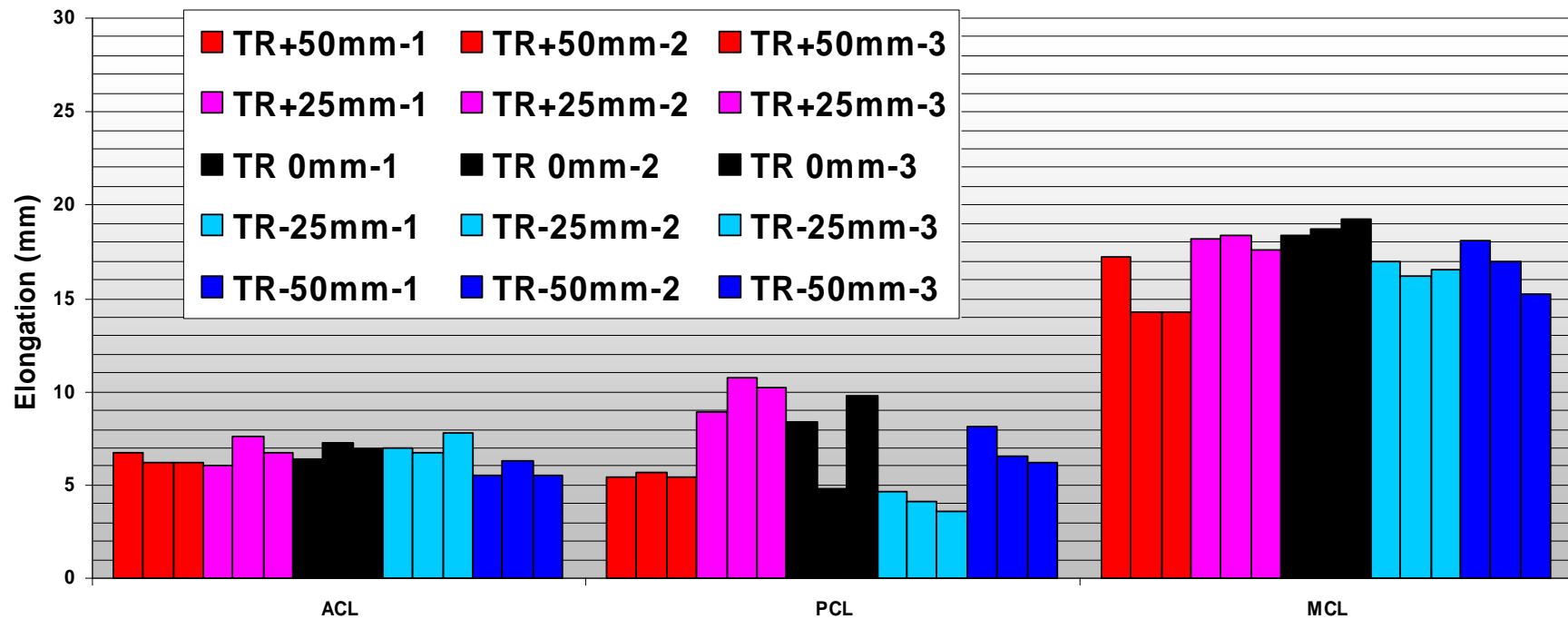


Preliminary Test Results with the Flex-GT α

FlexPI and test rig

Test rig: Elongation

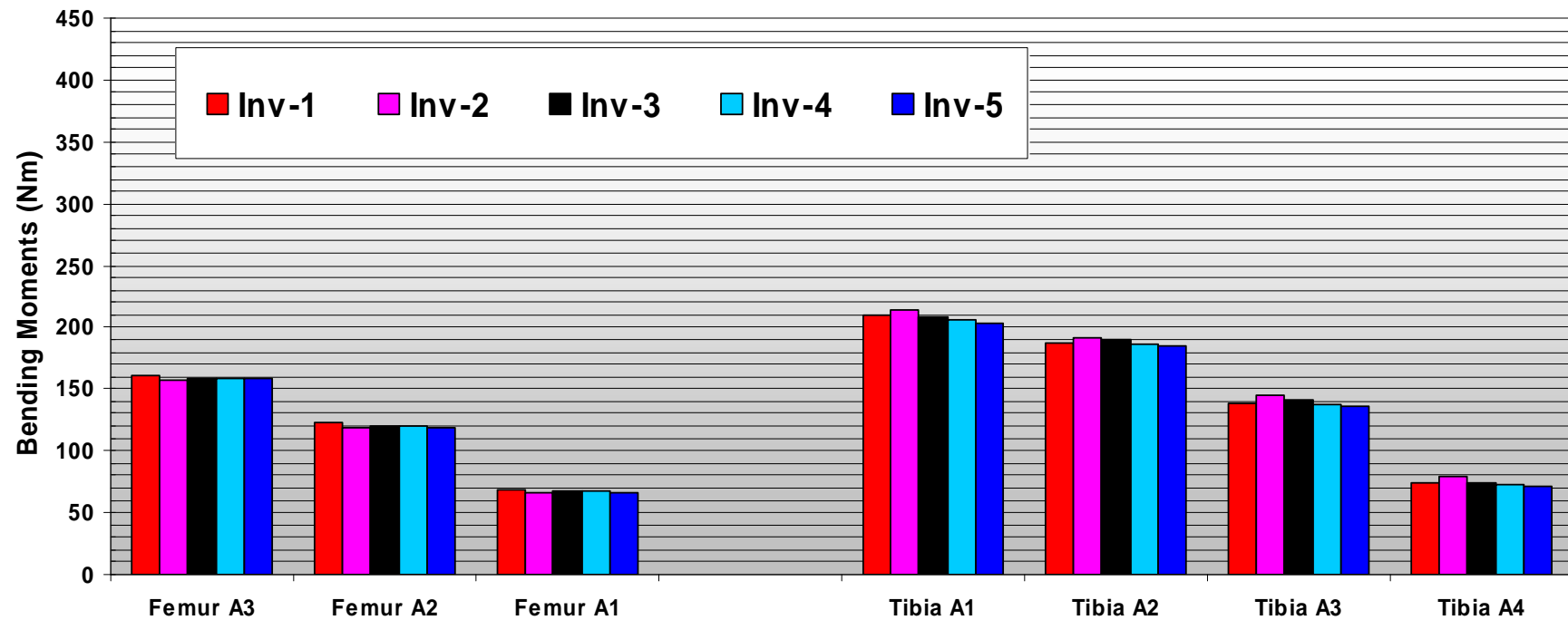
impactor hit at different heights relative to the knee centre
5 different test positions; 3 test per position



Preliminary Test Results with the Flex-GT α

Inverse testing of the FlexPLI

Inverse testing: Bending Moments
impactor hit at knee centre
1 test position; 5 tests per position



Preliminary Test Results with the Flex-GT α

Inverse testing of the FlexPLI

Inverse testing: Elongation
impactor hit at knee centre
1 test position; 5 tests per position

