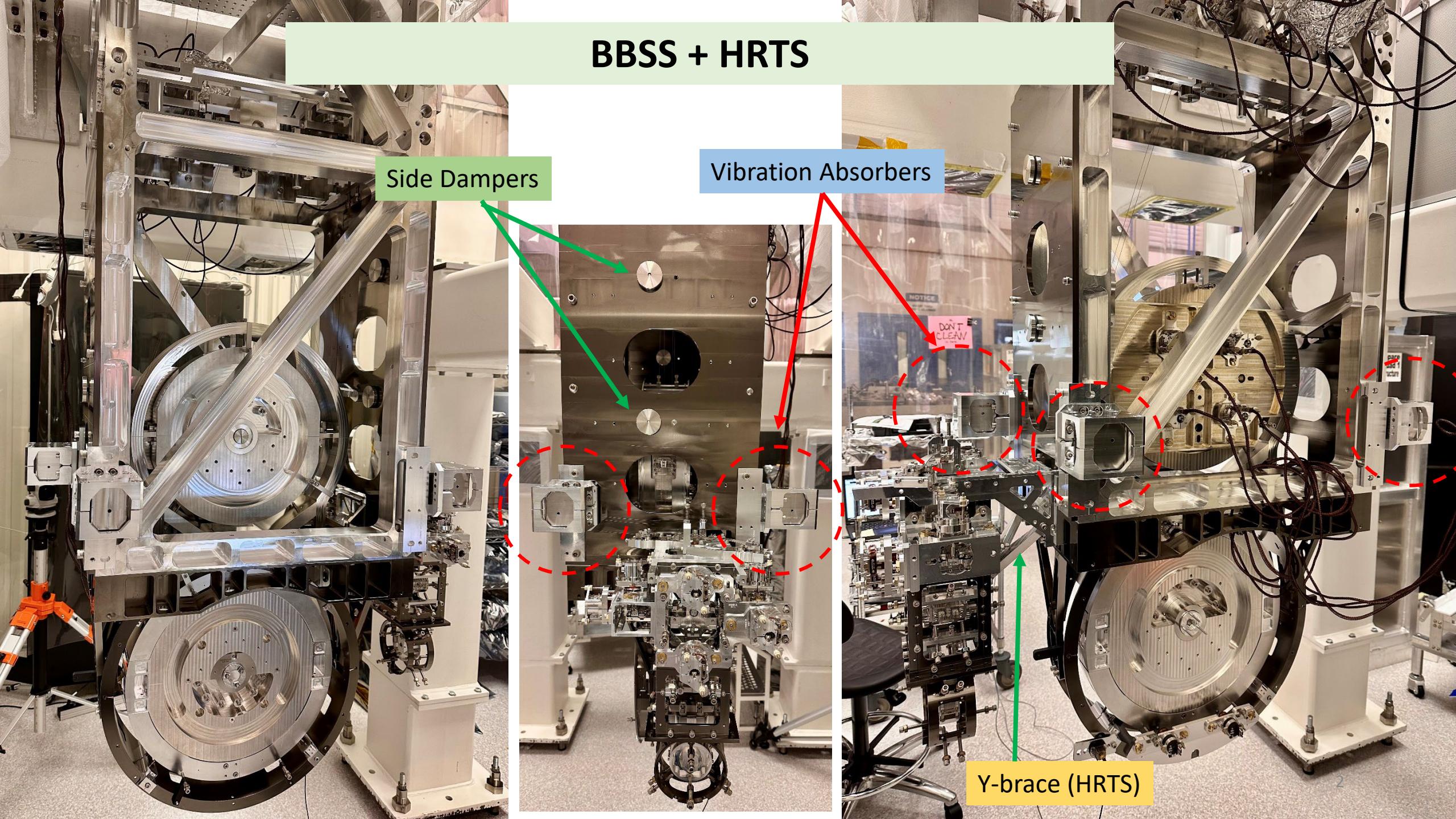


B&K Test Results for BBSS

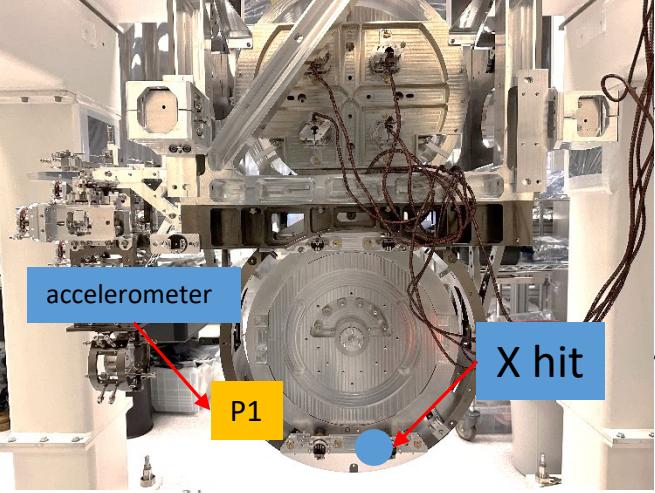
(with and without HRTS)

Rahul Kumar
LHO, 21 July 2025

BBSS + HRTS



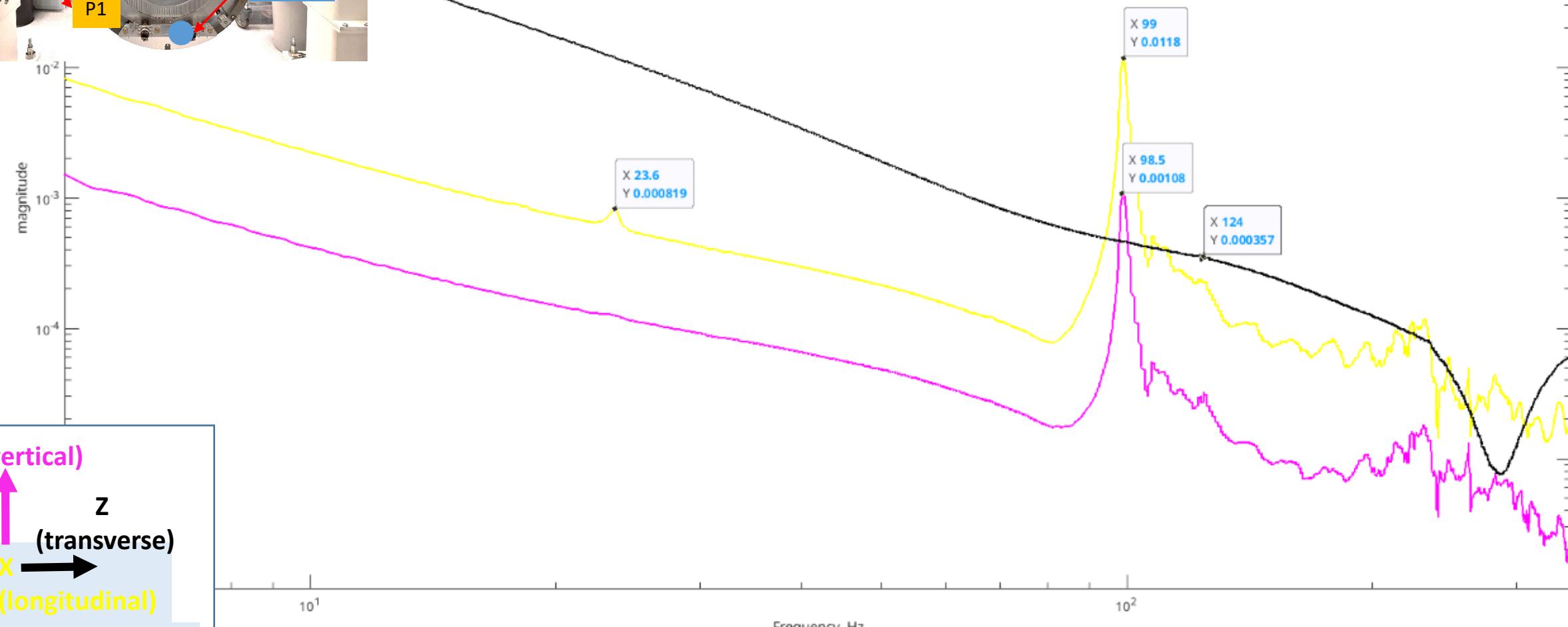
Y-brace (HRTS)

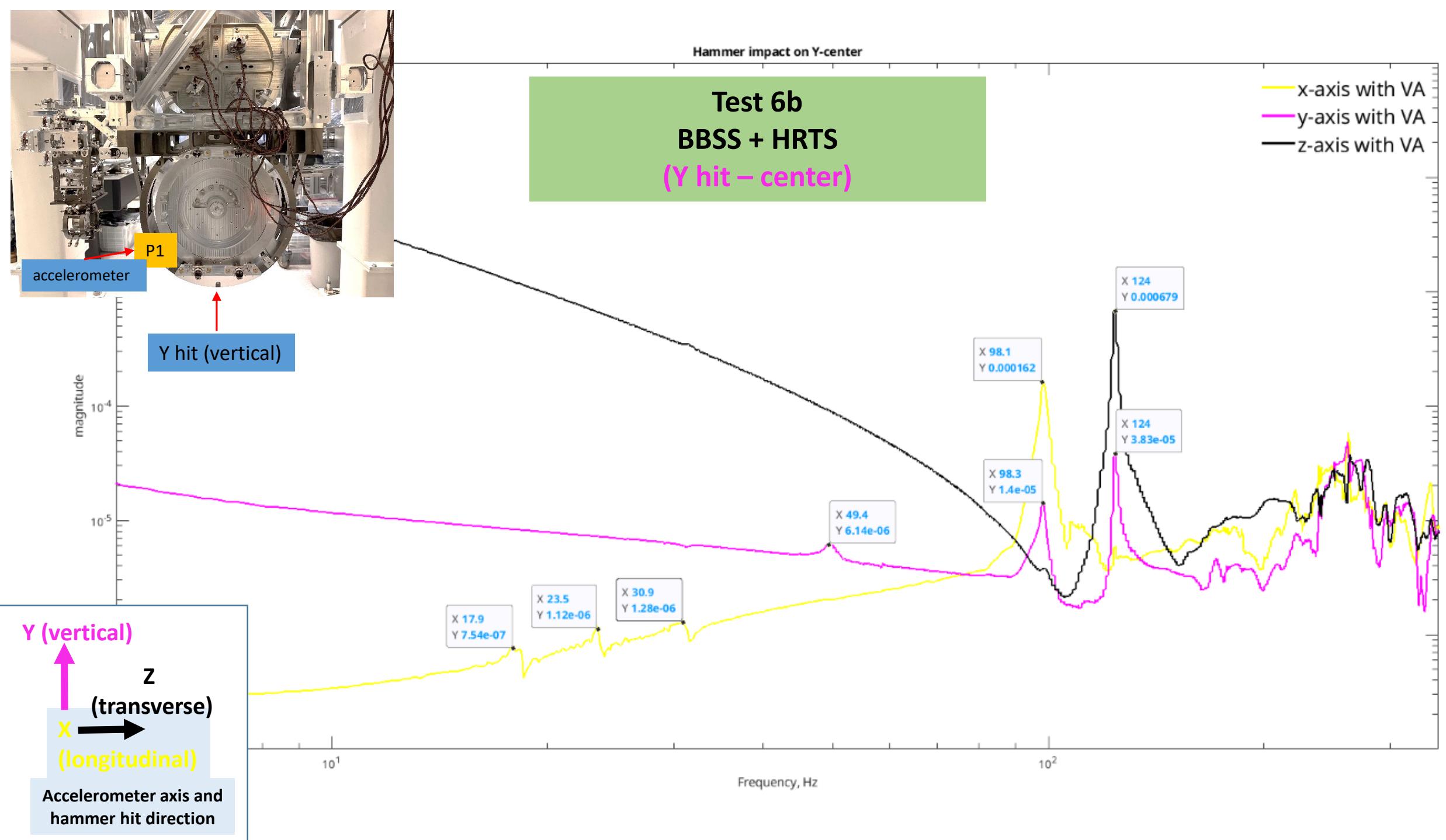


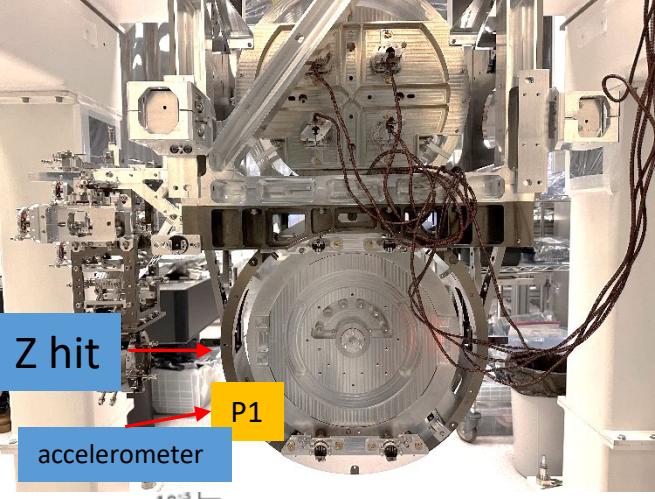
B&K Results for BBSS + HRTS (Triax accel at position 1) - Hammer impact on X-center

Test 6a
BBSS + HRTS
(X hit – center)

x-axis with VA
y-axis with VA
z-axis with VA







Z hit

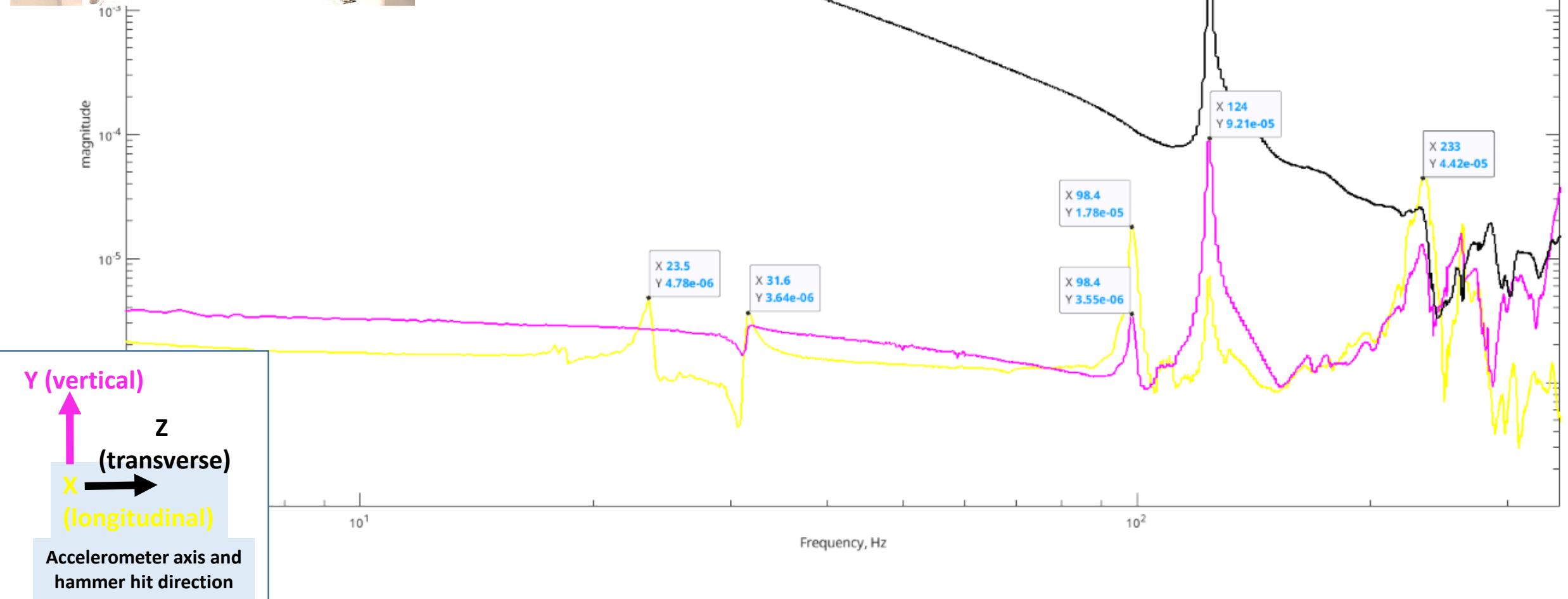
P1

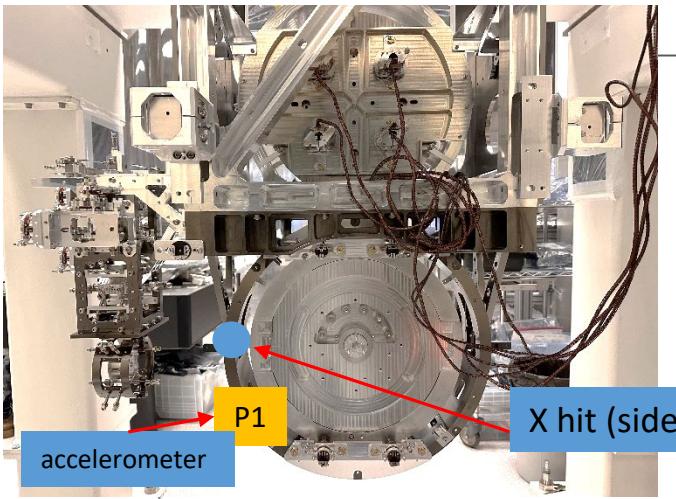
accelerometer

Hammer impact on Z-center

Test 6c
BBSS + HRTS
(Z hit – center)

- x-axis with VA
- y-axis with VA
- z-axis with VA

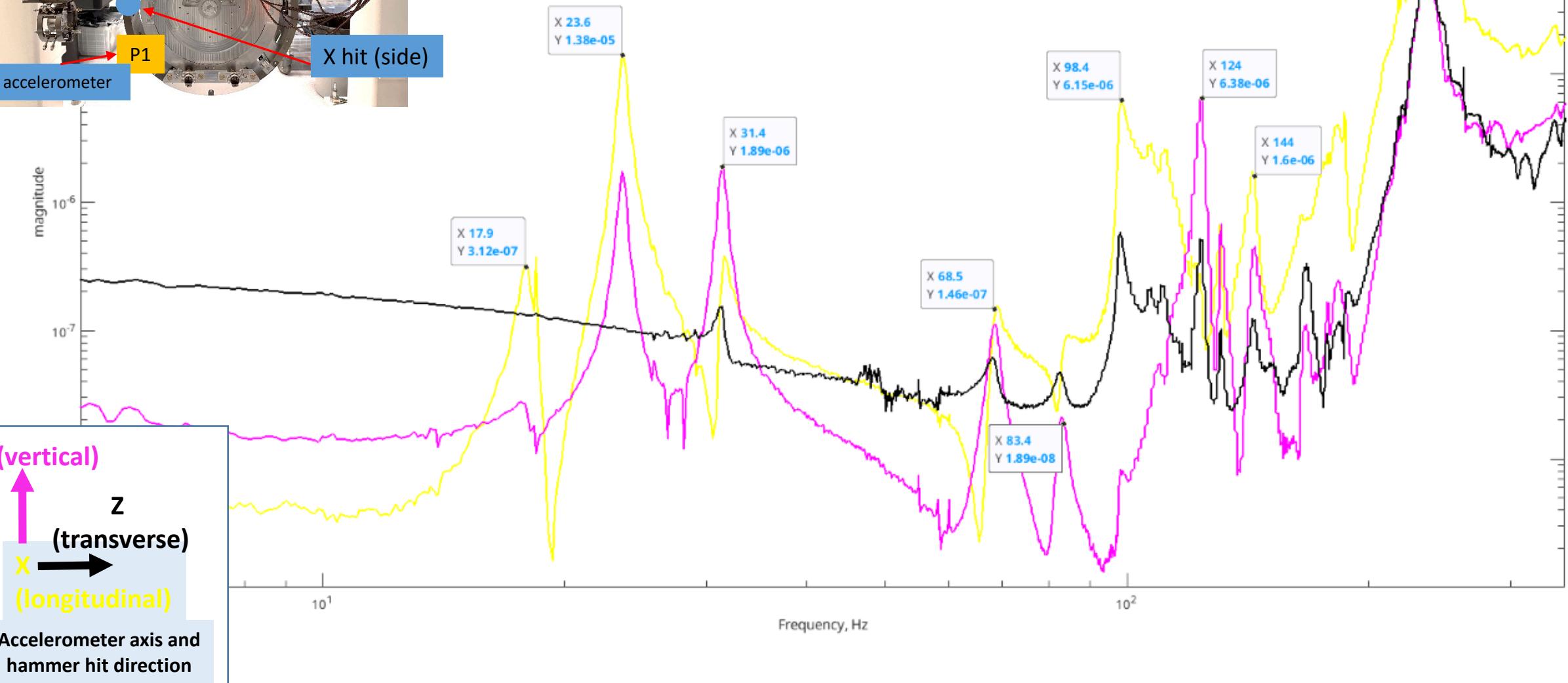


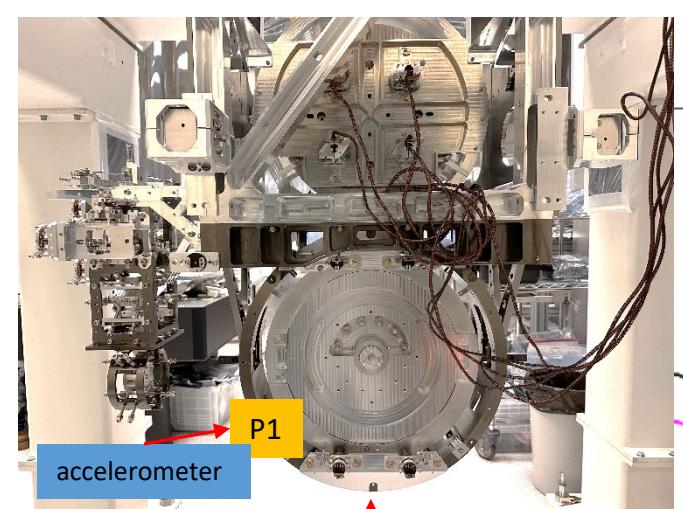


B&K Results for BBSS + HRTS (Triax accel at position 1) - Hammer impact on X-Left

Test 7a
BBSS + HRTS
(X hit – side)

x-axis with VA
y-axis with VA
z-axis with VA

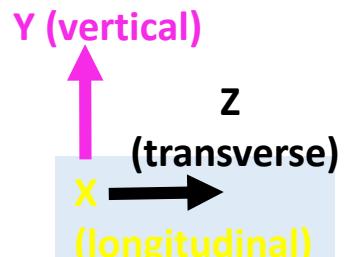
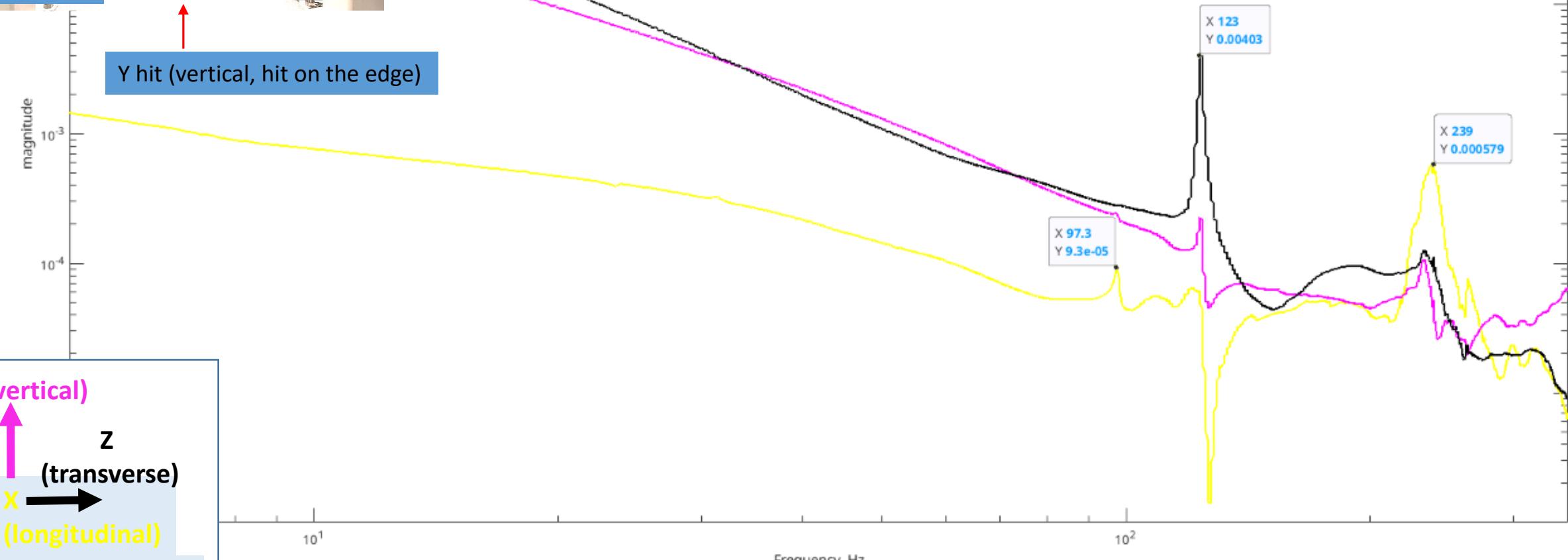




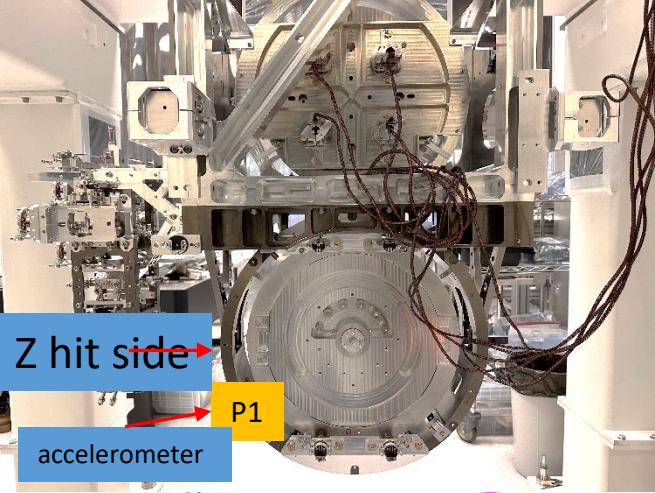
Hammer impact on Y-Left

Test 7b
BBSS + HRTS
(Y hit – side)

- x-axis with VA
- y-axis with VA
- z-axis with VA



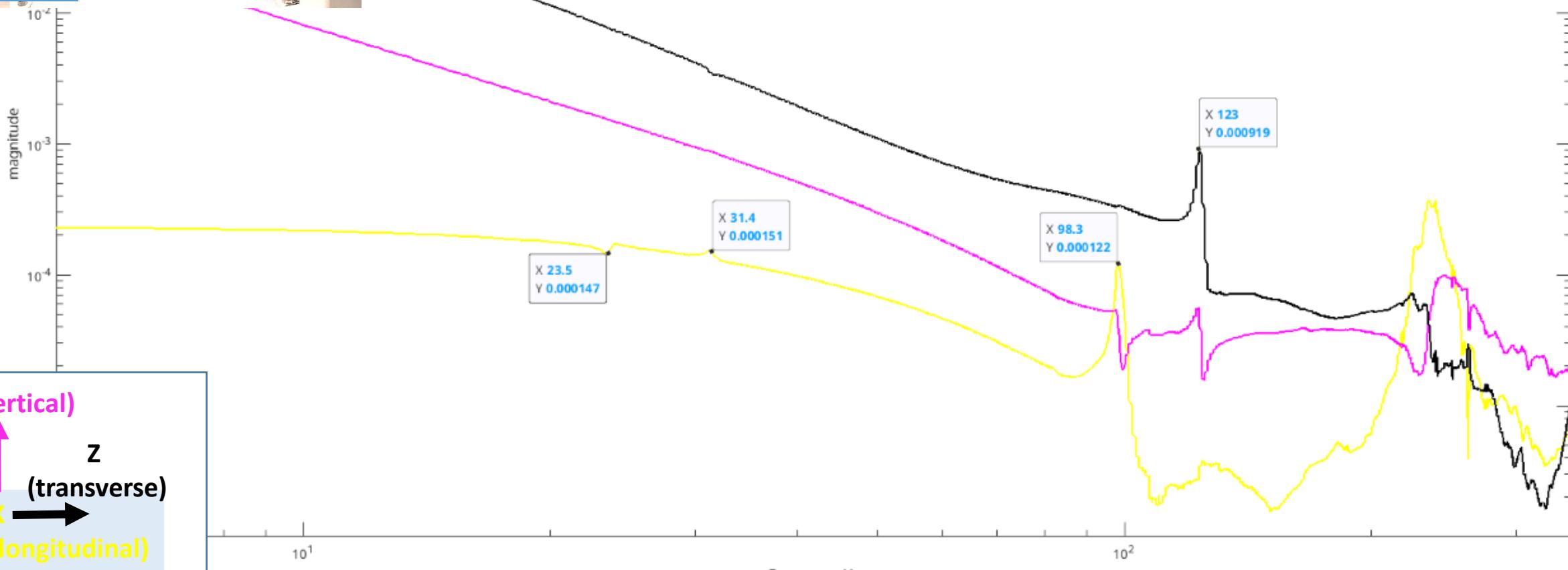
Accelerometer axis and
hammer hit direction



Hammer impact on Z-Left

Test 7c
BBSS + HRTS
(Z hit – side)

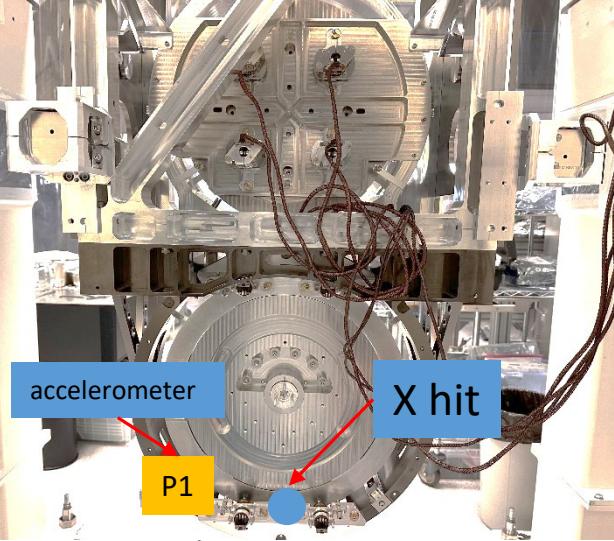
x-axis with VA
y-axis with VA
z-axis with VA



BBSS

Vibration Absorbers

HRTS removed



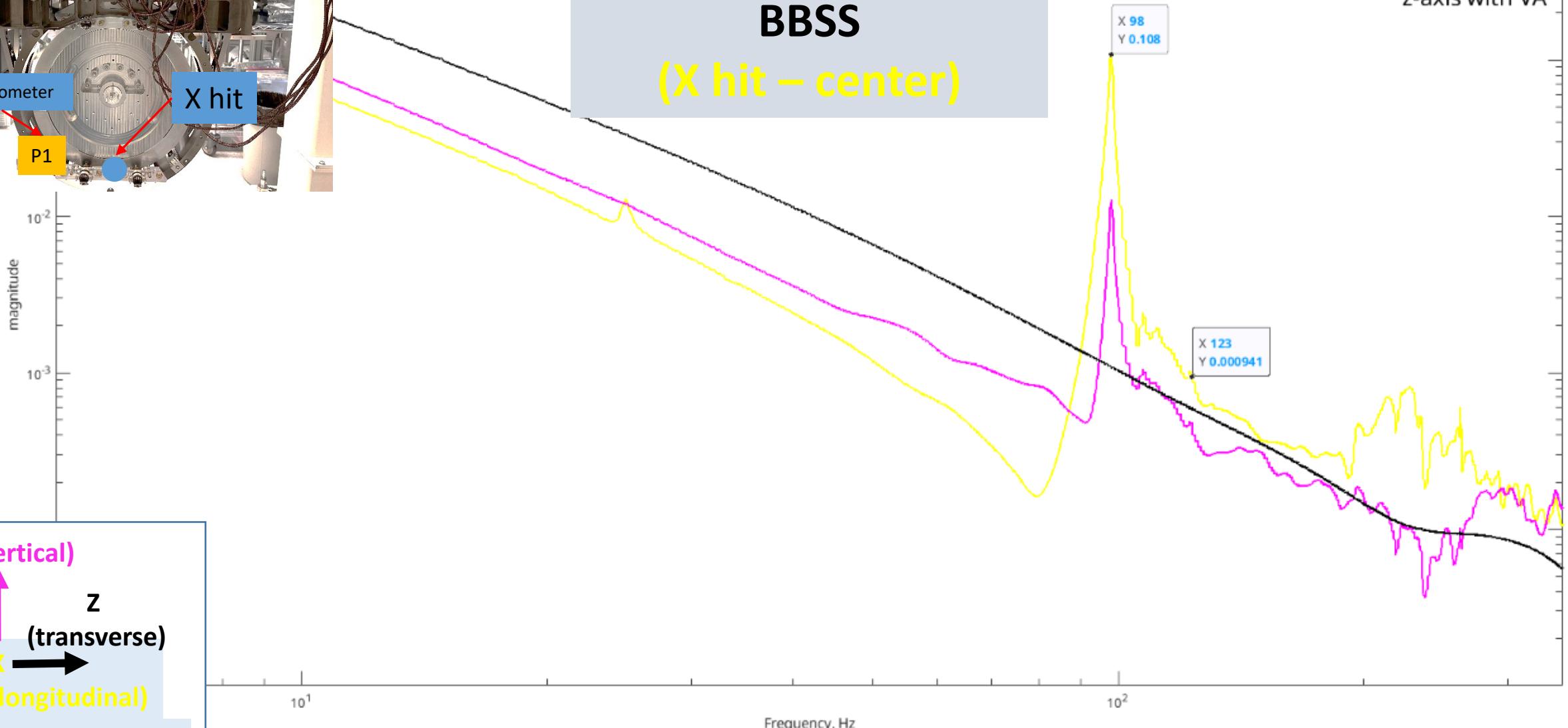
B&K Results for BBSS+VA (Triax accel at position 1) - Hammer impact on X-center

Test 8a

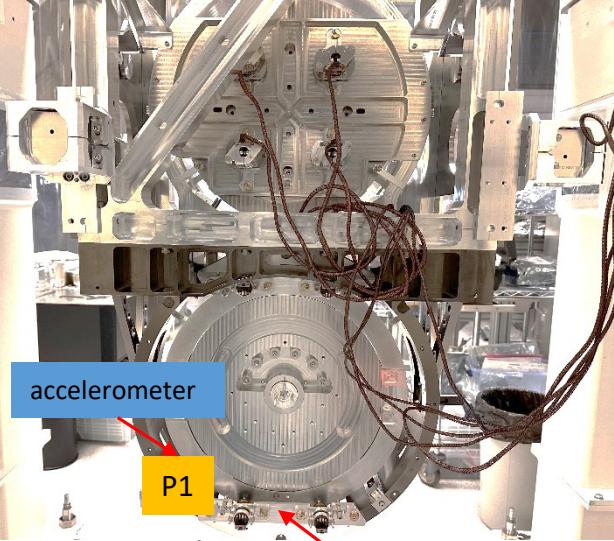
BBSS

(X hit – center)

- x-axis with VA
- y-axis with VA
- z-axis with VA



Accelerometer axis and
hammer hit direction



accelerometer

P1

Y hit (vertical)

Y (vertical)
Z
(transverse)
X
(longitudinal)

Accelerometer axis and
hammer hit direction

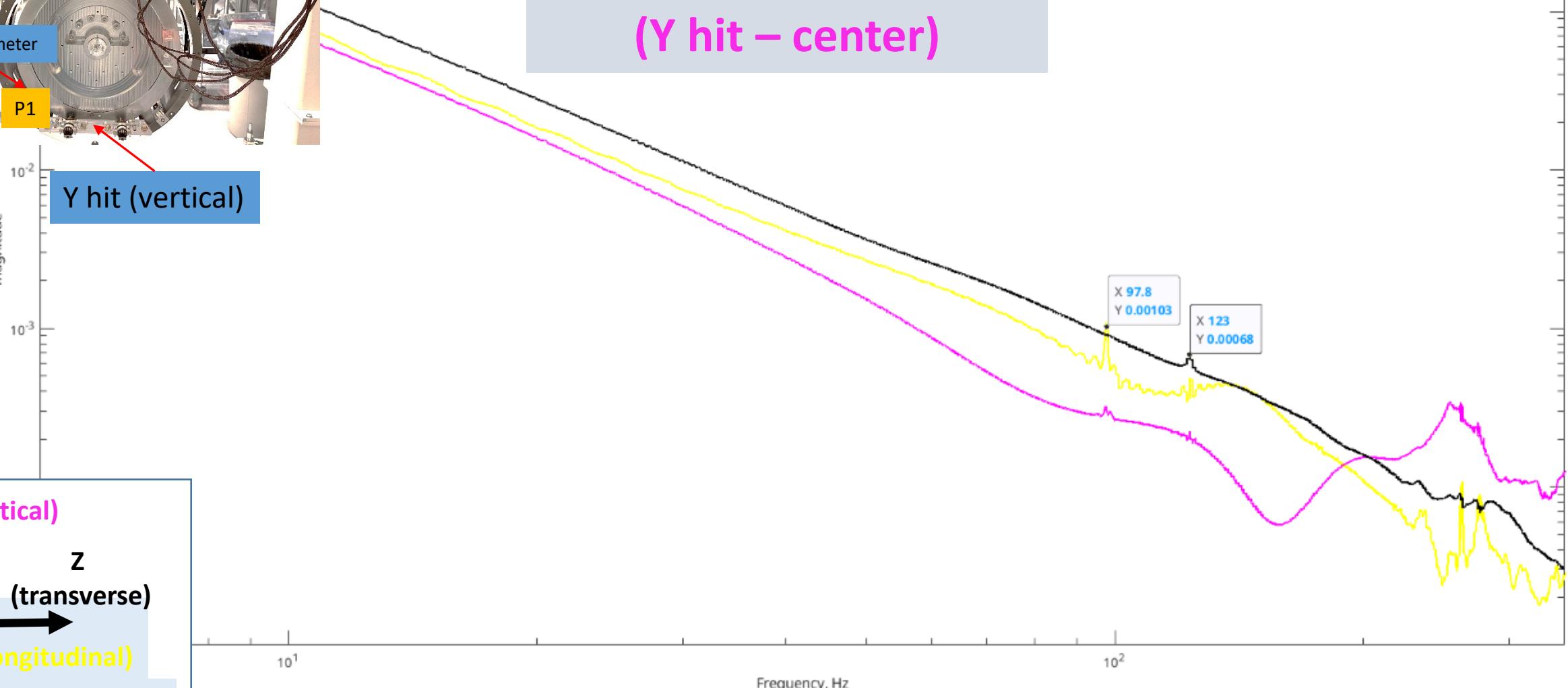
Hammer impact on Y-center

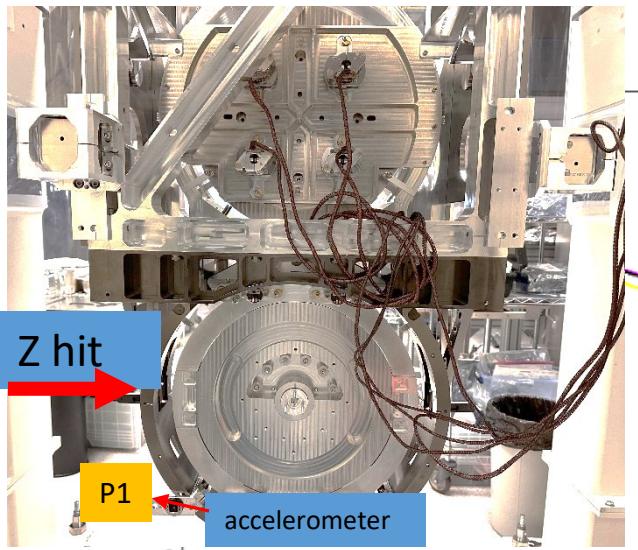
Test 8b

BBSS

(Y hit – center)

- x-axis with VA
- y-axis with VA
- z-axis with VA

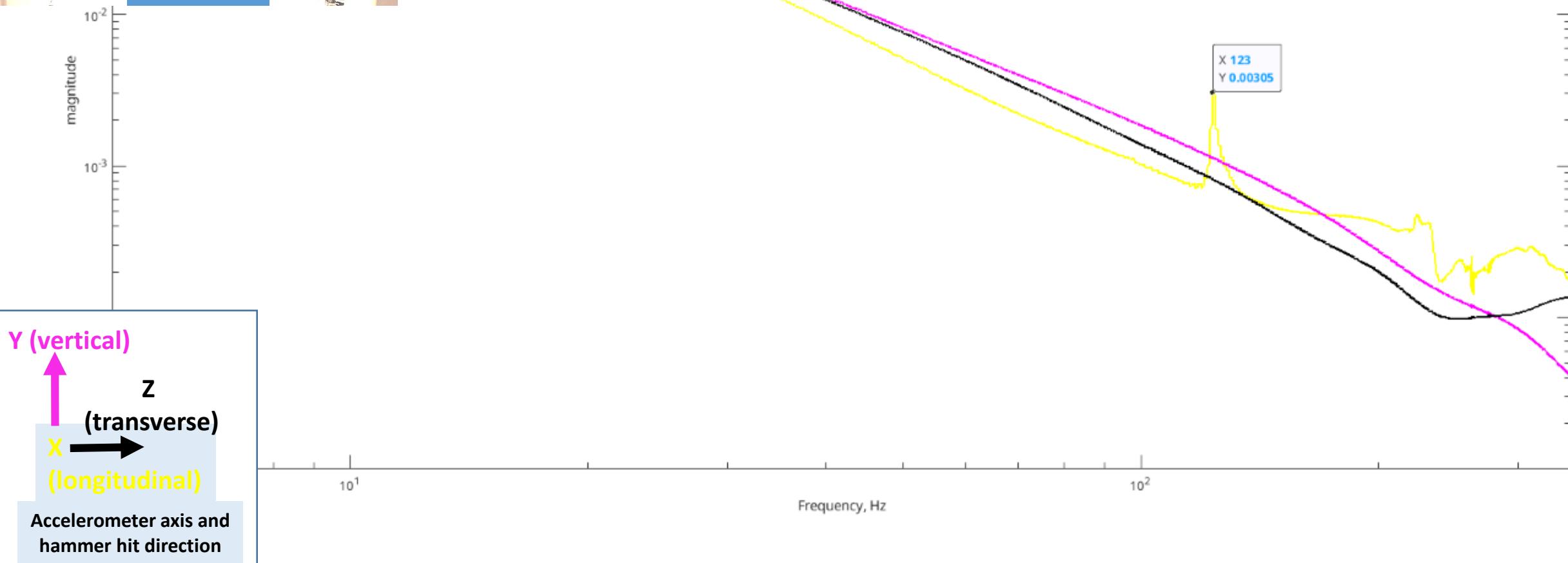


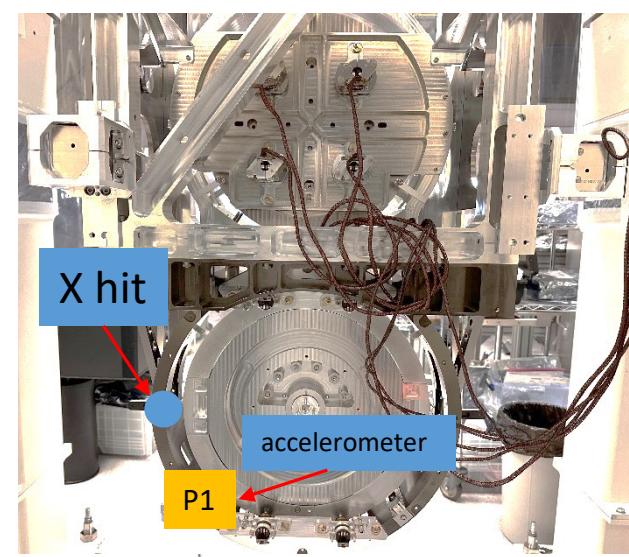


Hammer impact on Z-center

Test 8c BBSS (Z hit – center)

- x-axis with VA
- y-axis with VA
- z-axis with VA





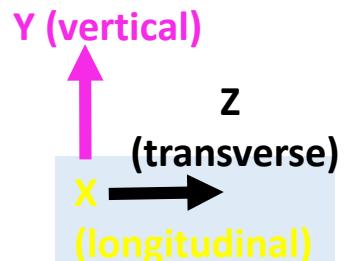
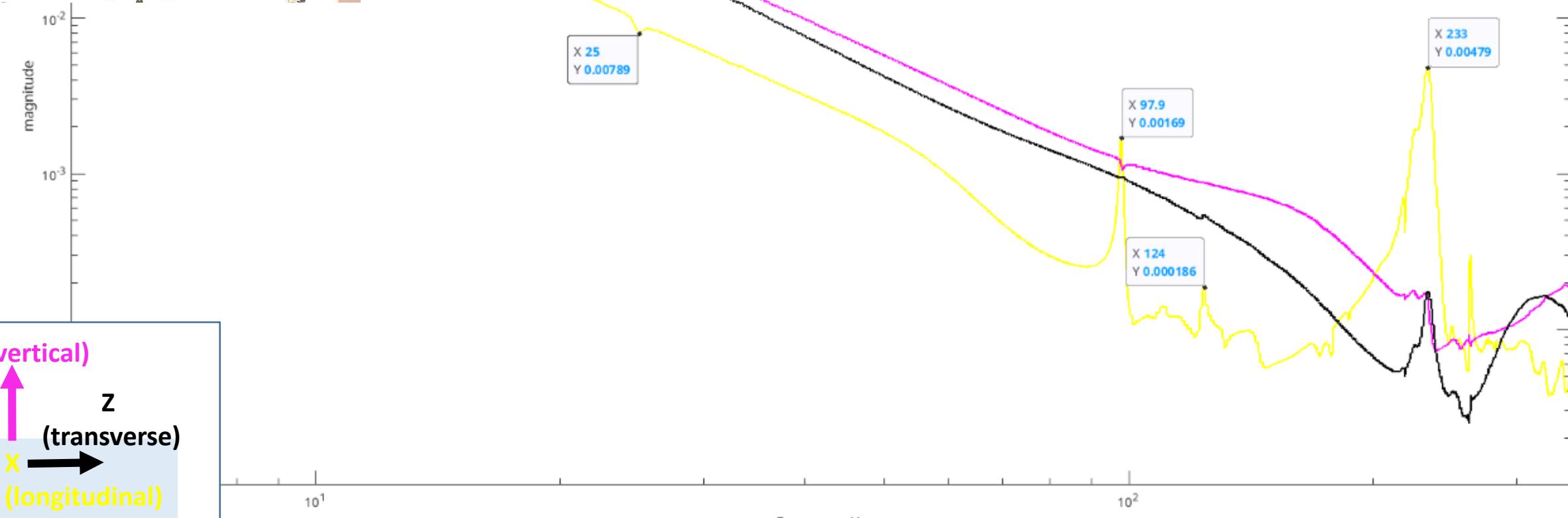
B&K Results for BBSS+VA (Triax accel at position 1) - Hammer impact on X-side

Test 9a

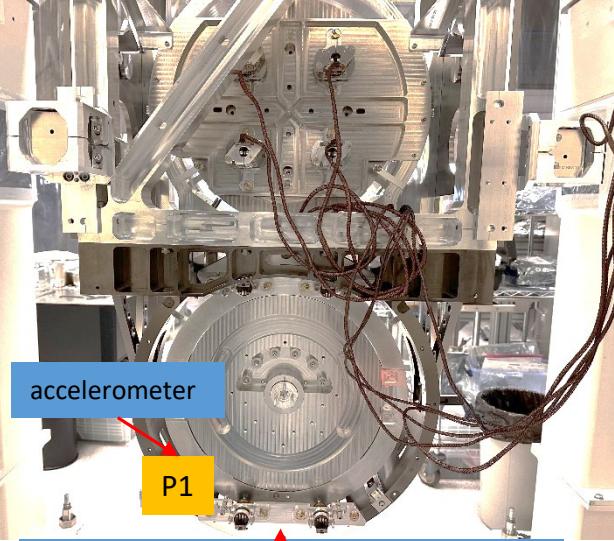
BBSS

(X hit – side)

- x-axis with VA
- y-axis with VA
- z-axis with VA



Accelerometer axis and
hammer hit direction



Y hit (vertical – side edge)

Y (vertical)
Z (transverse)
X (longitudinal)

Accelerometer axis and hammer hit direction

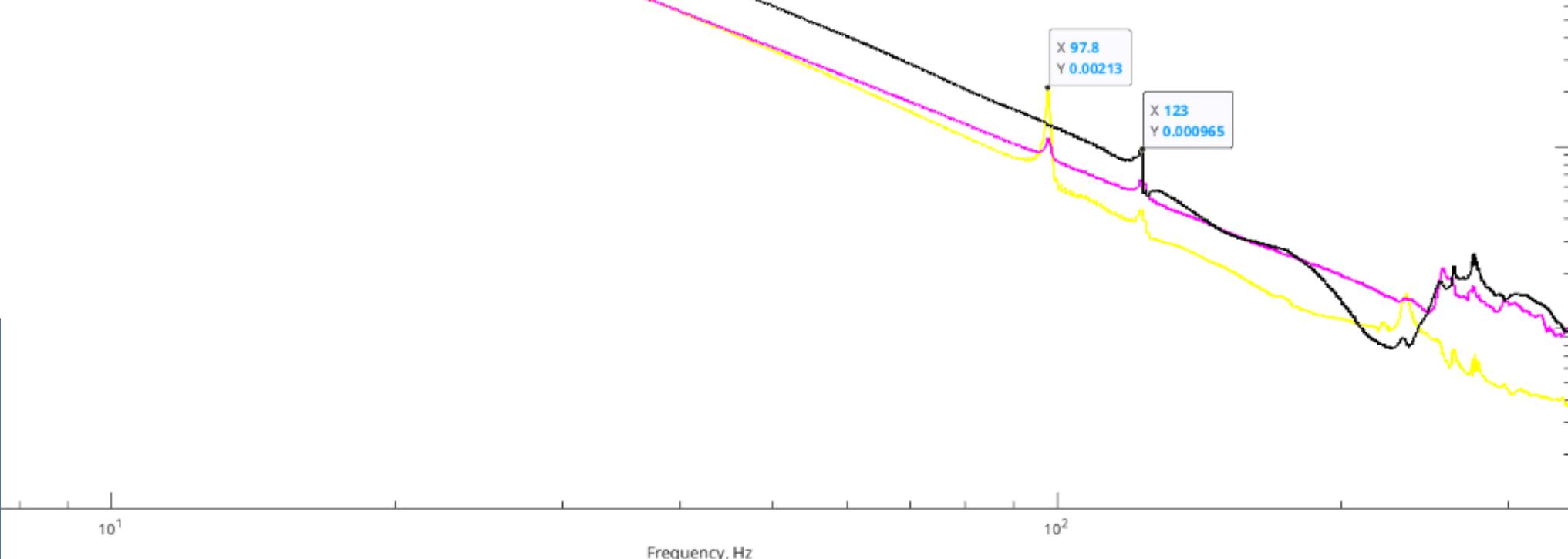
Hammer impact on Y-side

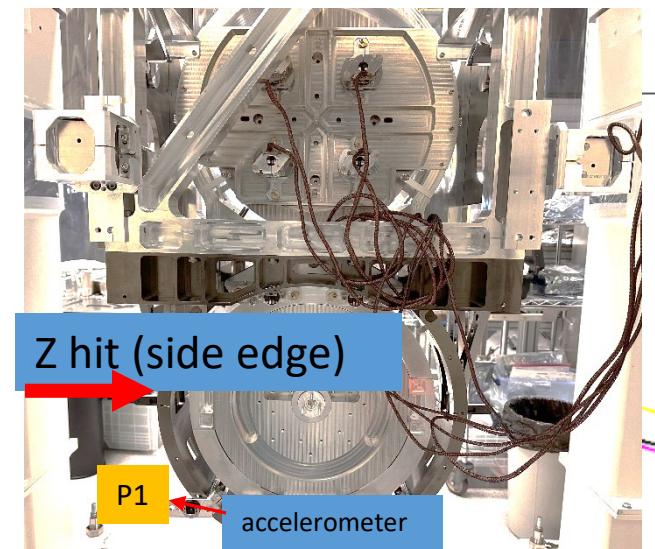
Test 9b

BBSS

(Y hit – side)

- x-axis with VA
- y-axis with VA
- z-axis with VA

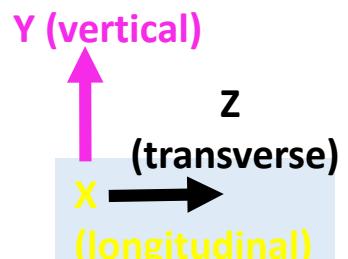
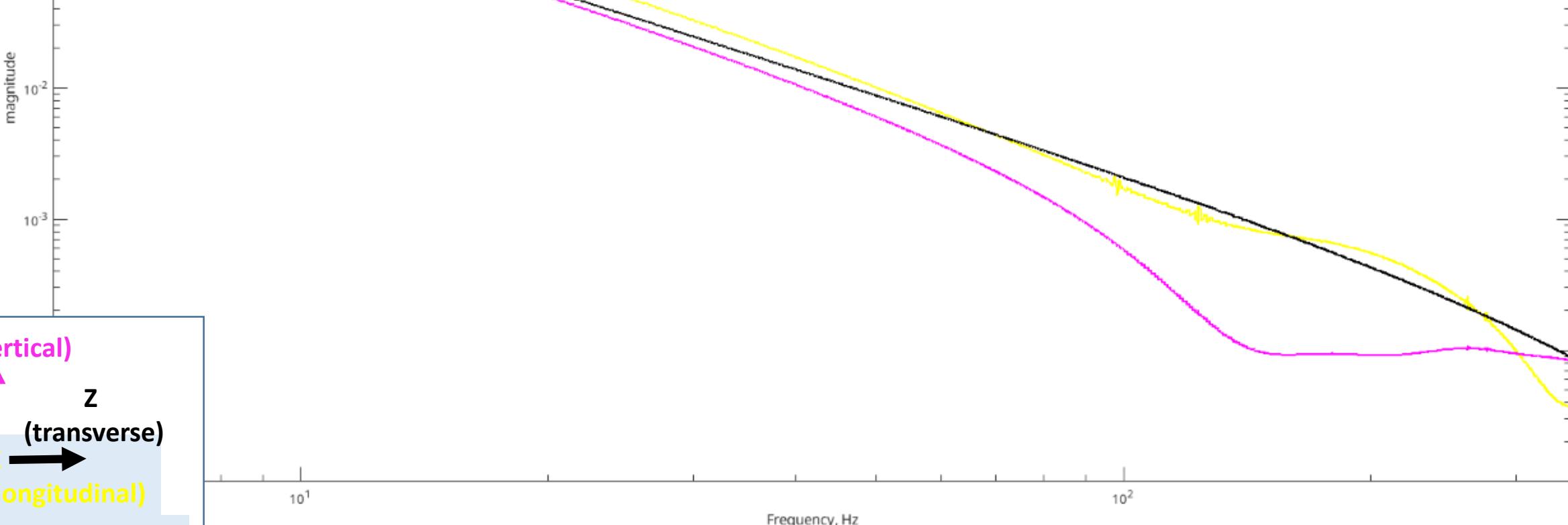




Hammer impact on Z-side

Test 9c BBSS (Z hit – side)

x-axis with VA
y-axis with VA
z-axis with VA



Accelerometer axis and
hammer hit direction