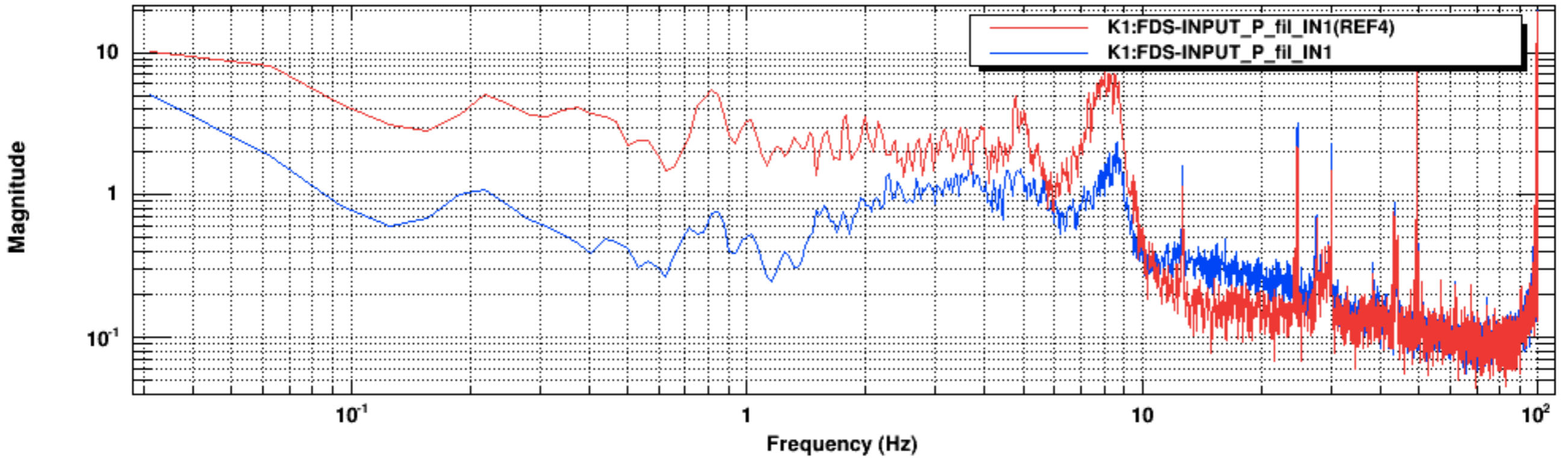


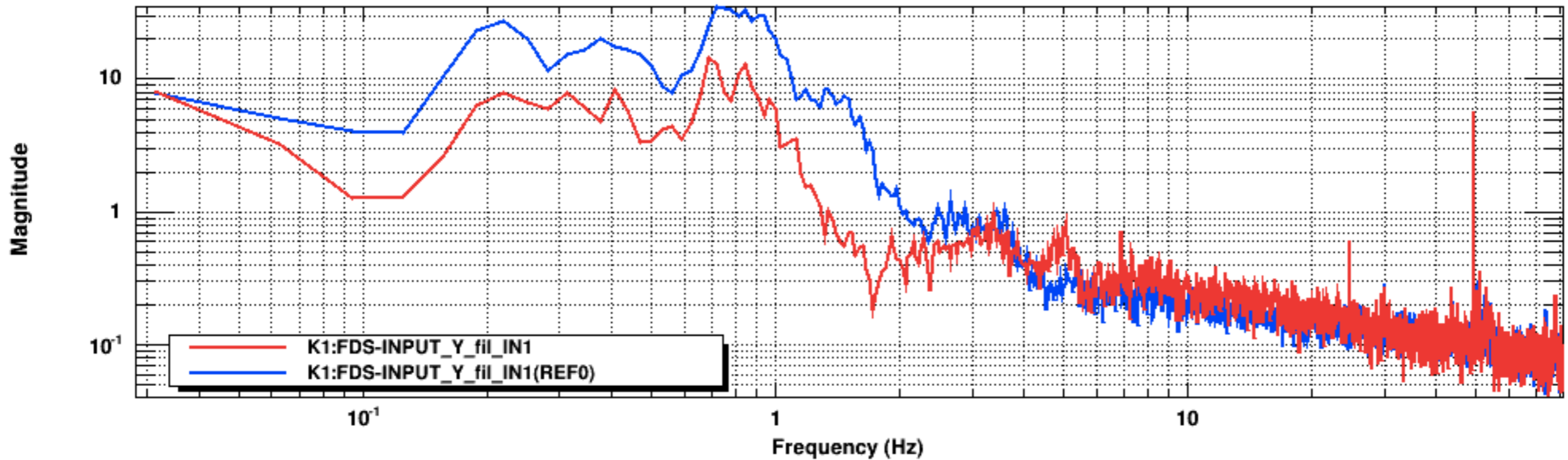
INPUT PITCH



The screenshot shows a software interface for configuring a filter. The left sidebar lists a project structure with folders 'adc', 'daq', 'filter_archive', and 'ipc', and files 'K1FDS.txt' and 'INPUT_P_fil' (the latter is highlighted with a red box). The main window is titled 'Zero-Pole-Gain' and contains the following settings:

- Gain Selection:** Gain: 0.08, Format: Scalar, dB
- Number Format:** Complex Format: Re/Im, Mag/Phase, Mag/Q; Phase Angle: degree, rad; Root Location: s-Plane, Frequency, Normalized
- Root Location:** Value: 1 Hz, 0, Real, Complex
- List of Roots:** Poles, Zeros. The poles list includes:
 - |z|=5 Q=9
 - |z|=5 Q=9
 - |z|=30 Q=1
 - |z|=30 Q=1
 - 0.1
 - 0.8The zeros list includes:
 - |z|=2 Q=1
 - |z|=2 Q=1
 - |z|=5 Q=2
 - |z|=5 Q=2
 - 0.0001Buttons for 'Add', 'Remove', and 'Modify' are visible on the right.

INPUT YAW



Module Selection

Path: Root

- adc
- daq
- filter_archive
- ipc

File... K1FDS.txt

Module: **INPUT_Y_fil**

Design

fSample: 16384 Hz

Command: `zpk([0.5+i*0.8660`

Gain Selection

Gain: 0.003 Format: Scalar dB

Number Format

Complex Format: Re/Im Mag/Phase Mag/Q

Phase Angle: degree rad

Root Location: s-Plane Frequency Normalized

Root Location

Value: 1 Hz 0 Real Complex

List of Roots

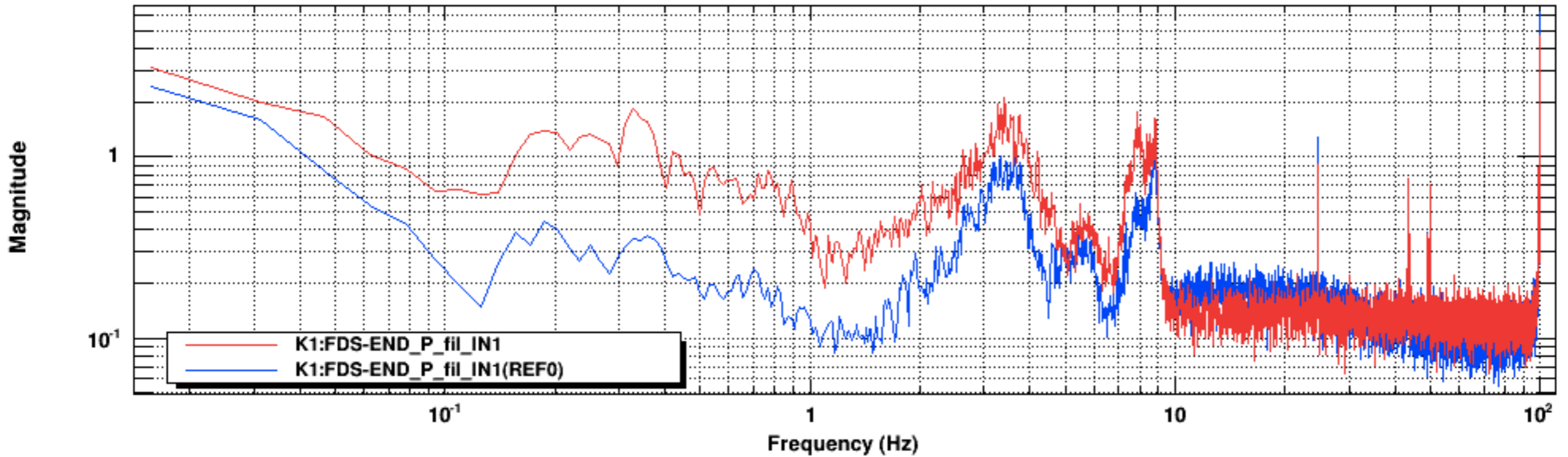
Poles Zeros

$ z =20$ Q=1	$ z =1$ Q=1
$ z =20$ Q=1	$ z =1$ Q=1
0.1	0.0001
0.8	

Add

Remove

END PITCH



Zero-Pole-Gain

Gain Selection
Gain: 0.2 Format: Scalar dB

Number Format
Complex Format: Re/Im Mag/Phase Mag/Q
Phase Angle: degree rad
Root Location: s-Plane Frequency Normalized

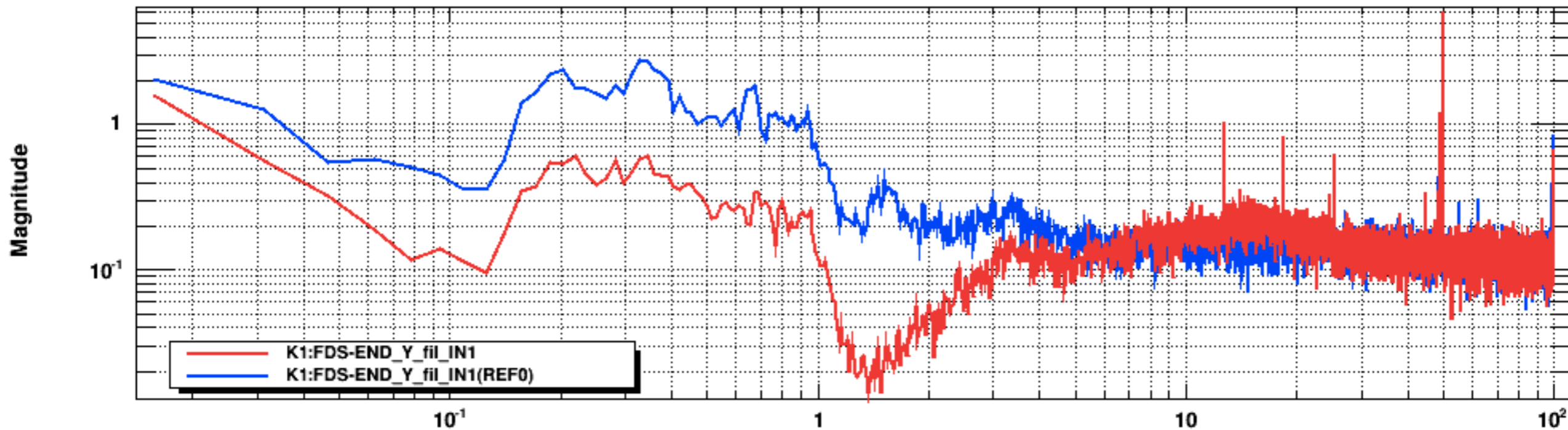
Root Location
Value: 1 Hz 0 Real Complex

List of Roots
 Poles Zeros

z =4.5 Q=9	z =2 Q=1
z =4.5 Q=9	z =2 Q=1
z =30 Q=1	z =4.5 Q=2
z =30 Q=1	z =4.5 Q=2
0.1	0.0001
0.8	

Buttons: Add, Remove, Modify

END YAW



Zero-Pole-Gain

Gain Selection
Gain: 0.03 Format: Scalar dB

Number Format
Complex Format: Re/Im Mag/Phase Mag/Q
Phase Angle: degree rad
Root Location: s-Plane Frequency Normalized

Root Location
Value: 1 Hz 0 Real Complex

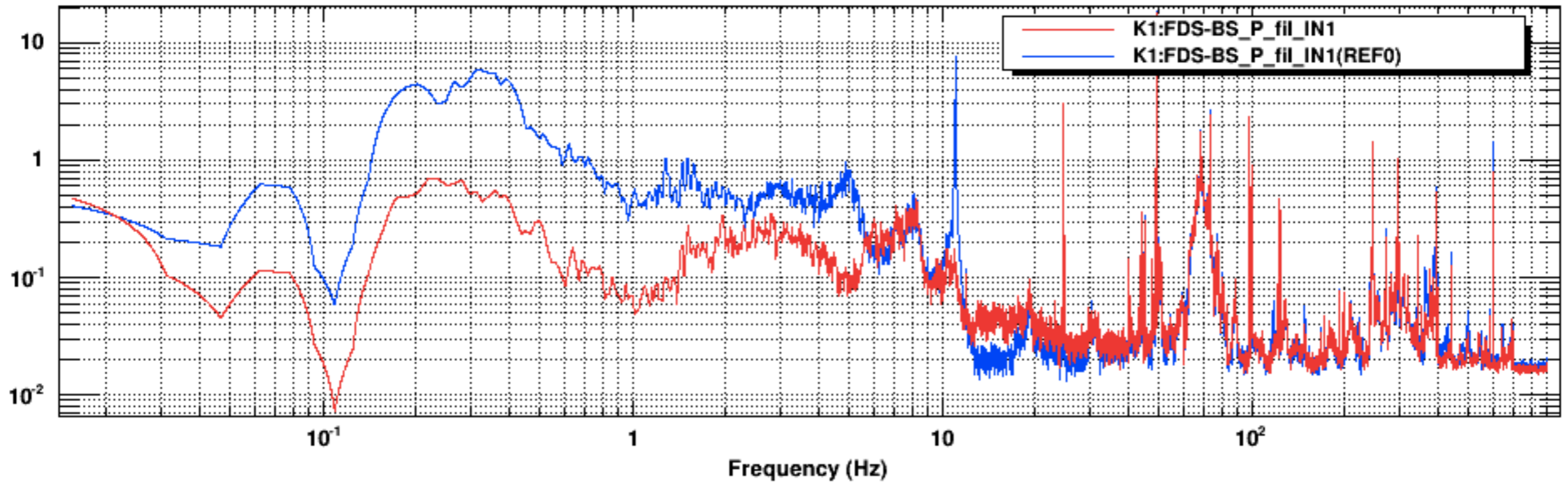
List of Roots
 Poles Zeros

z =20 Q=1	z =1 Q=1
z =20 Q=1	z =1 Q=1
0.1	0.0001
0.8	

16384 Hz
zpk([0.5+i+0.86i, ...])
zpk([0.499999999, ...])
s-Plane: s (rad) Hz
Gain ZPK

Add
Remove
Modify
Clear
Sort

BS PITCH



Zero-Pole-Gain

Gain Selection
 Gain: 0.17999 Format: Scalar dB

Number Format
 Complex Format: Re/Im Mag/Phase Mag/Q
 Phase Angle: degree rad
 Root Location: s-Plane Frequency Normalized

Root Location
 Value: 1 Hz 0 Real Complex

List of Roots

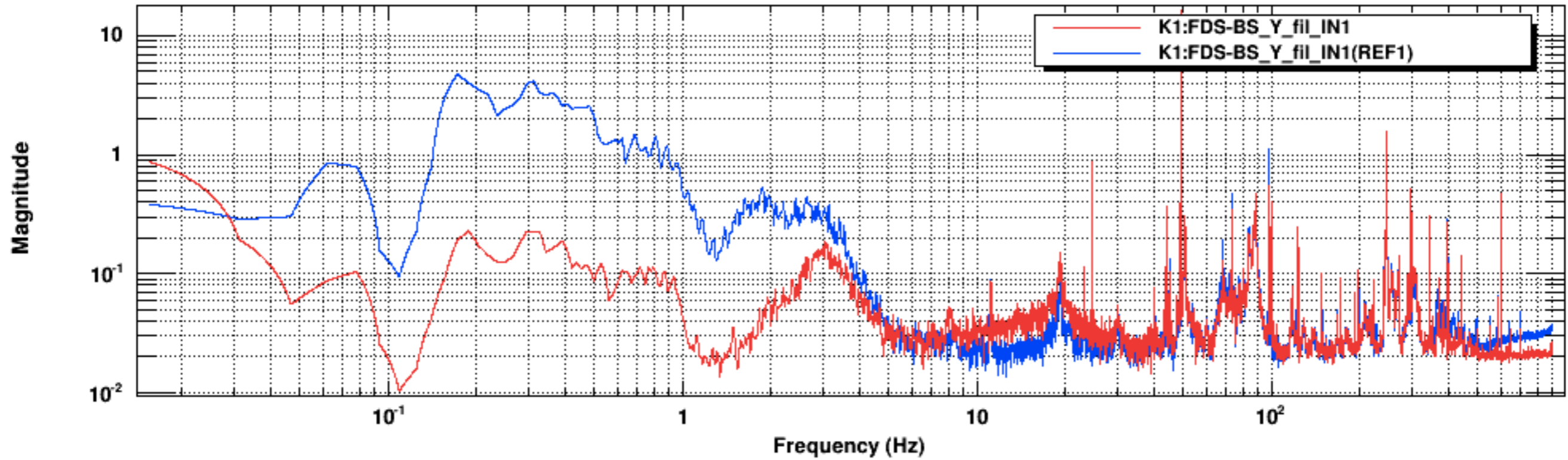
Poles Zeros

z =5 Q=10	z =2 Q=1
z =5 Q=10	z =2 Q=1
z =25 Q=0.999999	z =5 Q=1
z =25 Q=0.999999	z =5 Q=1
0.1	0.0001
0.8	

Buttons: Add, Remove, Modify

File browser: Root, adc, daq, filter_archive, ipc, K1FDS.txt, BS_P_fil (highlighted), 16384 Hz, zpk([1+i*1.73205, 1-i*1.73205], [2.5+i*4.330, 2.5-i*4.330], 0.17999999999999999), zpk([0.9999999999999999, 0.9999999999999999], [0.5, 0.5], 0.17999999999999999)

BS YAW



Zero-Pole-Gain

Gain Selection
Gain: 0.2 Format: Scalar dB

Number Format
Complex Format: Re/Im Mag/Phase Mag/Q
Phase Angle: degree rad
Root Location: s-Plane Frequency Normalized

Root Location
Value: 1 Hz 0 Real Complex

List of Roots
 Poles Zeros

z =20 Q=1	z =2 Q=1
z =20 Q=1	z =2 Q=1
0.1	0.0001
0.8	

Add Remove