

Hall A High-Field Moller Target Motion Control

Linear

188004

Motor Readback
(step)

165.809

Motor Readback
(mm)

6.153

Encoder (v)
Raw

6.153

Encoder (v)
Smoothed

0.000

Smoothing Factor
(0 ≤ SF ≤ 1)

0.000

Park

T1

T2

T3

T4

Position (mm)

0

60.661

95.710

130.760

165.809

Encoder (v)

0.481

2.567

3.787

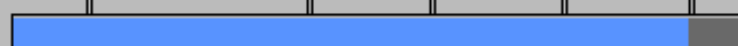
4.978

6.178

Switch Input



Retracted



Extended

Park

T1

T2

T3

T4

Move ☐

165.809

165.809

Position Input (mm)

<

10.000

>

10.000

Jog (mm)

STOP

SM

Rotary

360

Motor Readback
(step)

-0.000

Motor Readback
(degree)

4.316

Encoder (v)
Raw

4.316

Encoder (v)
Smoothed

0.000

Smoothing Factor
(0 ≤ SF ≤ 1)

0.000

-Limit

Center

+Limit

Position (degree)

~-6.480

0

~6.840

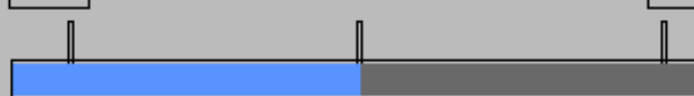
Encoder (v)

2.576

4.185

6.203

Switch Input



-Limit

Center

+Limit

Brake ☒Move ☐

3.900

3.900

Position Input (degree)

<

1.000

>

1.000

Jog (degree)

STOP

SM

Reset to Initial State

Reset

Smoothing: $X = \text{Raw} * (1 - \text{SmoothingFactor}) + \text{PreviousX} * \text{SmoothingFactor}$