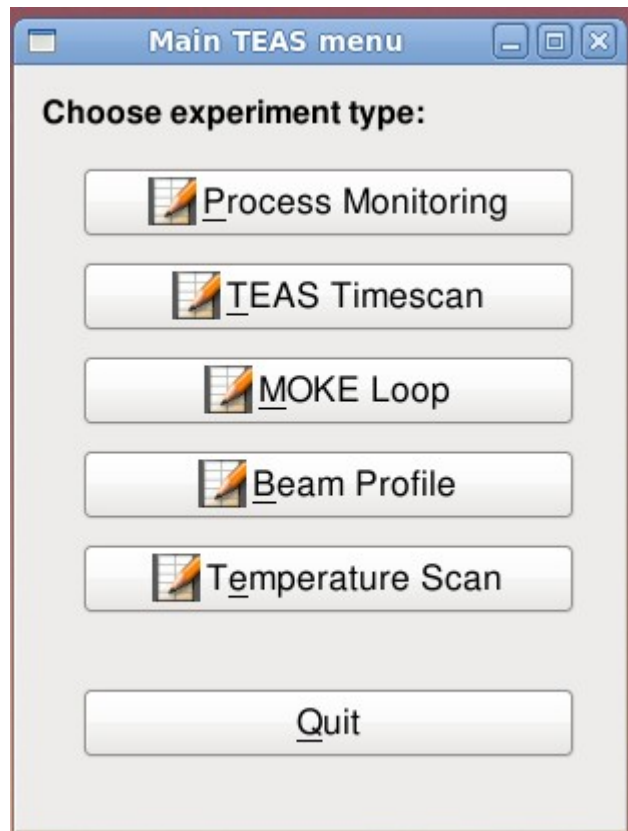


Menú de entrada



Lista de los diversos tipos de experimentos que se llevan a cabo en el equipo.

Cada uno de ellos tiene sus procesos específicos, con GUI y gráficos propios.

A continuación se muestran 2 ejemplos.

Ejemplo 1: TEAS Timescan

TEAS timescan configuration

☒ **DAC channel selection**

TEAS intensity: Analog input #1
TEAS DAC Voltage range: ± 10 V

Sample temperature: Analog input #2
Temperature DAC Voltage range: ± 5 V

Sampling Rate (kHz): 0 2 4 6 8 10 100

☐ Check when all channels set

☒ **Lock-in settings**

Sensitivity (/div): 2.5 μ V
Time Constant: 0.3 sec
☐ Check when correct values set

Integration time per datapoint

Time (sec): 0 1 2 3 4 5 6 7 8 9 10

AML Pressure gauge

Input channel: Analog input #3
Channel voltage range (V): ± 5 V
Emission current: ☐ 0.5 mA ☒ 5.0 mA

Gauge sensitivity (1/[Pres]): 10
Pressure gauge units: mBar

Current lock-in signal level

0 2 4 6 8 10

Channeltron bias voltage (V)

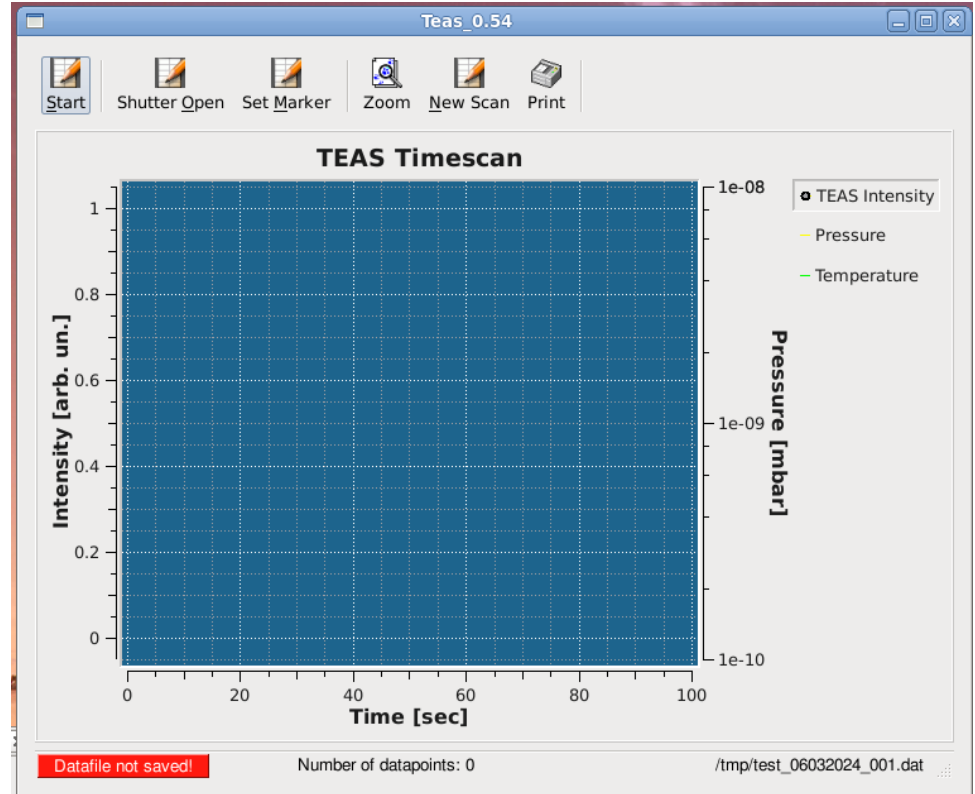
1000

Sample/system description

test

Datafile selection

/tmp/test_06032024_001.dat



Ejemplo 2: MOKE loop

MOKE hysteresis loop configuration

☒ **DAC channel selection**

MOKE Intensity: Analog input #1 --- Select ---

MOKE Voltage range: --- Select ---

MOKE DC level: Analog input #2 --- Select ---

DC level voltage range: --- Select ---

Sample temperature: --- Select ---

Temperature Voltage range: --- Select ---

Field driving current: --- Select ---

Sampling Rate (kHz): 0 2 4 6 8 10 10

☐ Check when all channels set

Current lock-in signal level

0 2 4 6 8 10

Sample/system description

MOKE geometry

--- Select ---

Datafile selection

/tmp/test_06032024_002.dat

☒ **Lock-in settings**

Sensitivity (/div) --- Select ---

Time Constant --- Select ---

☐ Check when correct values set

Time intervals for the experiment

Dwell Time (sec) 0 2 4 6 8 10

Integration Time (sec) 0 2 4 6 8 10

MOKE loop parameters

Magnetic Field (Oe) 0 100 200 300 400 500 600

Points per loop 0 100 200 300 400 500

Number of sweeps 0 5 10 15 20 25 30

