



# CRATER: File

File View Help

Save All  
Revert to Last Save  
Restore from Backup File  
Exit

CFT SMT STT MONITOR

<input type="checkbox"/>	X11	l1lum	Level 1 Calorimeter
<input checked="" type="checkbox"/>	X11	l1lum	Level 1 Luminosity
<input type="checkbox"/>	X12	l1fpd	Level 1 Forward Proton Detector
<input type="checkbox"/>	X13	l1ctt	Level 1 Central Tracker Trigger
<input type="checkbox"/>	X14	l1ctm	Level 1 Central Tracker Manager
<input type="checkbox"/>	X16	l1muc	Level 1 Muon Central
<input type="checkbox"/>	X17	l1mun	Level 1 Muon North
<input type="checkbox"/>	X18	l1mus	Level 1 Muon South
<input type="checkbox"/>	X19	l1mtm	Level 1 Muon Trigger Manager

Turn All L1 Crates On      Turn All L1 Crates Off

Save Configuration for L1

Status: RED=IN GRAY=OUT    Activated L1



# CRATER: View

File View Help

L1

View

- Larger
- Smaller
- Cycle pages
- Cycle period

CAL CFT SMT STT MONITOR

<input checked="" type="checkbox"/>	X11 l1cal	Level 1 Calorimeter
<input checked="" type="checkbox"/>	X11 l1lum	Level 1 Luminosity
<input type="checkbox"/>	X12 l1fpd	Level 1 Forward Proton Detector
<input type="checkbox"/>	X13 l1ctt	Level 1 Central Tracker Trigger
<input type="checkbox"/>	X14 l1ctm	Level 1 Central Tracker Manager
<input type="checkbox"/>	X16 l1muc	Level 1 Muon Central
<input type="checkbox"/>	X17 l1mun	Level 1 Muon North
<input type="checkbox"/>	X18 l1mus	Level 1 Muon South
<input type="checkbox"/>	X19 l1mtm	Level 1 Muon Trigger Manager

Turn All L1 Crates On Turn All L1 Crates Off

Save Configuration for L1

Status: RED=IN GRAY=OUT Activated L1



# CRATER: L1 Subpage

File View Help

L1 L2 MUON CAL CFT SMT STT MONITOR

<input type="checkbox"/>	X10 I1cal	Level 1 Calorimeter
<input checked="" type="checkbox"/>	X11 I1lum	Level 1 Luminosity
<input type="checkbox"/>	X12 I1fpd	Level 1 Forward Proton Detector
<input type="checkbox"/>	X13 I1ctt	Level 1 Central Tracker Trigger
<input type="checkbox"/>	X14 I1ctm	Level 1 Central Tracker Manager
<input type="checkbox"/>	X16 I1muc	Level 1 Muon Central
<input type="checkbox"/>	X17 I1mun	Level 1 Muon North
<input type="checkbox"/>	X18 I1mus	Level 1 Muon South
<input type="checkbox"/>	X19 I1mtm	Level 1 Muon Trigger Manager

Turn All L1 Crates On Turn All L1 Crates Off

Save Configuration for L1

Status: RED=IN GRAY=OUT Activated L1



# CRATER: L2 Subpage

The screenshot shows the CRATER L2 Subpage interface. At the top, there is a menu bar with 'File', 'View', and 'Help'. Below the menu bar is a tabbed interface with tabs for 'L1', 'L2', 'MUON', 'CAL', 'CFT', 'SMT', 'STT', and 'MONITOR'. The 'L2' tab is currently selected. The main area contains four checkboxes for L2 crates: X20 (I2glb), X21 (I2muc), X22 (I2muf), and X23 (I2cal). X23 is checked, while the others are unchecked. Below the checkboxes is a text box containing the following information:

- L2 crate X20 (I2glb) receives input from L2 crates X21 to X25
- L2 crate X21 (I2muc) receives input from Central Muon crates X34 to X3B
- L2 crate X22 (I2muf) receives input from Forward Muon crates X30 to X33
- L2 crate X23 (I2cal) receives input from L1 crate X10

At the bottom of the interface, there are three buttons: 'Turn All L2 Crates On', 'Turn All L2 Crates Off', and 'Save Configuration for L2'. The status bar at the very bottom indicates 'Status: RED=IN GRAY=OUT Activated L2'.



# CRATER: MUON Subpage

The screenshot shows the CRATER software interface with the MUON subpage selected. The interface includes a menu bar (File, View, Help), a tabbed interface (L1, L2, MUON, CAL, CFT, SMT, STT, MONITOR), and a list of detector crates. Each crate has a checkbox and a description. The X35 crate is highlighted with a red square. Below the list are four control buttons: Turn All PDT Crates On, Turn All PDT Crates Off, Turn All MUON Crates On, and Turn All MUON Crates Off. A green button labeled 'Save Configuration for MUON' is at the bottom. The status bar at the bottom indicates 'Status: RED=IN GRAY=OUT Activated MUON'.

Crates	Description
<input type="checkbox"/> X30 fmsm	Forward Muon South MDT
<input type="checkbox"/> X31 fmmn	Forward Muon North MDT
<input type="checkbox"/> X32 fmss	Forward Muon South Scintillator
<input type="checkbox"/> X33 fmns	Forward Muon North Scintillator
<input type="checkbox"/> X34 cmwtp	Central Muon West Top PDT
<input checked="" type="checkbox"/> X35 cmwsp	Central Muon West Side PDT
<input type="checkbox"/> X36 cmwbp	Central Muon West Bottom PDT
<input type="checkbox"/> X37 cmwsc	Central Muon West Scintillator
<input type="checkbox"/> X38 cmetp	Central Muon East Top PDT
<input type="checkbox"/> X39 cmesp	Central Muon East Side PDT
<input type="checkbox"/> X3A cmebp	Central Muon East Bottom PDT
<input type="checkbox"/> X3B cmesc	Central Muon East Scintillator

Turn All PDT Crates On      Turn All PDT Crates Off

Turn All MUON Crates On      Turn All MUON Crates Off

Save Configuration for MUON

Status: RED=IN GRAY=OUT Activated MUON



# CRATER: CAL Subpage

CRATER

File View Help

L1 L2 MUON CAL CFT SMT STT MONITOR

<input type="checkbox"/>	X40 ecnnw	North End Cap North West
<input checked="" type="checkbox"/>	X41 ecnsw	North End Cap South West
<input type="checkbox"/>	X42 ccnw	Central Cryostat North West
<input type="checkbox"/>	X43 ccsw	Central Cryostat Sputh West
<input type="checkbox"/>	X44 ecsnw	South End Cap North West
<input type="checkbox"/>	X45 ecssw	South End Cap South West
<input type="checkbox"/>	X46 ecsse	South End Cap South East
<input type="checkbox"/>	X47 ecsne	South End Cap North East
<input type="checkbox"/>	X48 ccse	Central Cryostat South East
<input type="checkbox"/>	X49 ccne	Central Cryostat North East
<input type="checkbox"/>	X4A ecnse	North End Cap South East
<input type="checkbox"/>	X4B ecnne	North End Cap North East
<input type="checkbox"/>	X4C caltc	Calorimeter Timing and Control

Turn All CAL Crates On Turn All CAL Crates Off

Save Configuration for CAL

Status: RED=IN GRAY=OUT Activated CAL



# CRATER: CFT Subpage

**CRATER**

File View Help

L1 L2 MUON CAL **CFT** SMT STT MONITOR

X50 cftax Central Fiber Tracker Axial  
 X51 cftst Central Fiber Tracker Stereo  
 X52 cps Central PreShower  
 X53 fps Forward PreShower

Turn All CFT Crates On Turn All CFT Crates Off

Save Configuration for CFT

Status: RED=IN GRAY=OUT Activated CFT



# CRATER: SMT Subpage

**CRATER**

File View Help

L1 L2 MUON CAL CFT **SMT** STT MONITOR

<input type="checkbox"/>	X60 smt0_0	Silicon Microstrip Tracker Sector 0 North
<input type="checkbox"/>	X61 smt0_1	Silicon Microstrip Tracker Sector 0 South
<input type="checkbox"/>	X62 smt1_0	Silicon Microstrip Tracker Sector 1 North
<input type="checkbox"/>	X63 smt1_1	Silicon Microstrip Tracker Sector 1 South
<input checked="" type="checkbox"/>	X64 smt2_0	Silicon Microstrip Tracker Sector 2 North
<input type="checkbox"/>	X65 smt2_1	Silicon Microstrip Tracker Sector 2 South
<input type="checkbox"/>	X66 smt3_0	Silicon Microstrip Tracker Sector 3 North
<input type="checkbox"/>	X67 smt3_1	Silicon Microstrip Tracker Sector 3 South
<input type="checkbox"/>	X68 smt4_0	Silicon Microstrip Tracker Sector 4 North
<input type="checkbox"/>	X69 smt4_1	Silicon Microstrip Tracker Sector 4 South
<input type="checkbox"/>	X6A smt5_0	Silicon Microstrip Tracker Sector 5 North
<input type="checkbox"/>	X6B smt5_1	Silicon Microstrip Tracker Sector 5 South

Save automatically invokes SMT Monitoring if any SMT crate is selected.

Turn All SMT Crates On Turn All SMT Crates Off

Save Configuration for SMT

Status: RED=IN GRAY=OUT Activated SMT





# CRATER: MONITOR Subpage

The screenshot shows a software window titled "CRATER" with a menu bar containing "File", "View", and "Help". Below the menu bar is a tabbed interface with tabs for "L1", "L2", "MUON", "CAL", "CFT", "SMT", "STT", and "MONITOR". The "MONITOR" tab is selected. The main content area displays a red square icon followed by the text "SMT Monitoring Status Indicator". A purple-bordered box contains the text: "THIS PAGE OVERWRITES SMT SUBPAGE AUTOMATIC CONTROL OF SMT MONITORING REVERT TO LAST SAVE (File) REFLECTS CURRENT STATUS". Below this box is a green button labeled "Save Configuration for MONITOR". At the bottom of the window, a status bar shows "Status: RED=IN GRAY=OUT Activated MONITOR".