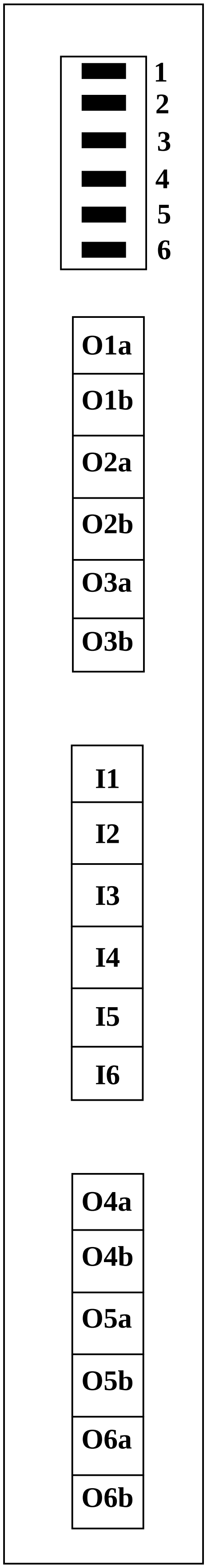
This file describes the cabling of the SFOs (Muon System) that are in permanent use; Input/Output connections and copying modes

Two SFOs in the CIC crate:
- SFO-MSCE for the East Scints
- SFO-MSCW for the West Scints

One SFO in the Central Muon crate:
- SFO-MBT-C1 for the SLIC outputs which get split to MBT and P.Panel

Two SFOs in the Forward Muon crate:
- SFO-MBT-F1 and SFO-MBT-**C2** for the Fwd and Cen SLIC outputs which get split to MBT and P.Panel

General Info:
SFO Front Panel Layout



Dip switches 1 - 6
On = 1 (toggle left)
Off = 0 (toggle right)

Output channels O1a, O1b,…,O3a, O3b

Input channels I1 - I6

Output channels O4a, O4b,…,O6a, O6b

SFO Front Panel Layout
Rack 323 CIC-Crate
SFO-MSCE

FROM	Port	TO
	O0a	slic-c 1, ch I3
	O0b	slic-c 2, ch I1
	O1a	slic-c 5 , ch I1
	O1b	plug back into I2
	O2a	pigtail 0, ch.A, comb.w/O4a
	O2b	pigtail 1, ch.A, comb.w/O4b
CIC-0, ch O5	I0	
CIC-1, ch O5	I1	
plug back from O1b	I2	
CIC-6, ch O5	I3	
plug back from O3b	I4	
	I5	
	O3a	slic-c 10, ch I1
	O3b	plug back into I4
	O4a	pigtail 0, ch.B, comb.w/O2a
	O4b	pigtail 1, ch.B, comb.w/O2b
	O5a	slic-c 4, ch I1
	O5b	slic-c 11, ch I1

Pigtail-0 goes to slic-c 1, ch I4
Pigtail-1 goes to slic-c 2, ch I2

settings;
1 → 4
others
1 → 2

SFO Front Panel Layout
Rack 323 CIC-Crate
SFO-MSCW

FROM	Slot	TO
	O0a	slic-c 1, ch I5
	O0b	slic-c 3, ch I1
	O1a	slic-c 6, ch I1
	O1b	plug back into I2
	O2a	pigtail 2, ch.A, comb.w/O4a
	O2b	pigtail 3, ch.A, comb.w/O4b
CIC-3, ch O5	I0	
CIC-2, ch O5	I1	
plug back from O1b	I2	
CIC-5, ch O5	I3	
plug back from O3b	I4	
	I5	
	O3a	slic-c 9, ch I1
	O3b	plug back into I4
	O4a	pigtail 2, ch.B, comb.w/O2a
	O4b	pigtail 3, ch.B, comb.w/O2b
	O5a	slic-c 7, ch I1
	O5b	slic-c 8, ch I1

Pigtail-2 goes to
slic-c 1, ch I6
Pigtail-3 goes to
slic-c 3, ch I2

settings;
1 → 4
others
1 → 2

SFO Front Panel Layout

Rack 324 Crate 0 (Central)

SFO-SCL-C

FROM

TO

all Central slic's, chan. I0

O0a
O0b
O1a
O1b
O2a
O2b

mbt-scl-c

I0
I1
I2
I3
I4
I5

Settings;
1 → 12

O3a
O3b
O4a
O4b
O5a
O5b

SFO Front Panel Layout

Rack 324 Crate 1 (Forwd)

SFO-SCL-F

FROM

TO

all Forward slic’s, chan. I0

O0a
O0b
O1a
O1b
O2a
O2b

mbt-scl-f

I0
I1
I2
I3
I4
I5

Settings;
1 → 12

O3a
O3b
O4a
O4b
O5a
O5b

SFO Front Panel Layout

Rack 324 Crate 0 (Central)

SFO-MBT-C1

FROM		TO
	O0a	mbt-c1 ch I1
	O0b	window ch I49
	O1a	mbt-c1 ch I2
	O1b	window ch I50
	O2a	mbt-c1 ch I3
	O2b	window ch I51
Slic-c 1	I0	
Slic-c 2	I1	
Slic-c 3	I2	
Slic-c 4	I3	
Slic-c 5	I4	
Slic-c 6	I5	
	O3a	mbt-c1 ch I4
	O3b	window ch I52
	O4a	mbt-c1 ch I5
	O4b	window ch I53
	O5a	mbt-c1 ch I6
	O5b	window ch I54

Settings;
6*(1→2)

SFO Front Panel Layout

Rack 324 Crate 1 (Forwd)

SFO-MBT-C2

FROM	Connector	TO
	O0a	mbt-c2 ch I0
	O0b	window ch I55
	O1a	mbt-c2 ch I1
	O1b	window ch I56
	O2a	mbt-c2 ch I2
	O2b	window ch I57
Slic-c 7	I0	
Slic-c 8	I1	
Slic-c 9	I2	
Slic-c 10	I3	
Slic-c 11	I4	
CIC9 (ch.O5)-MTM	I5	
	O3a	mbt-c2 ch I3
	O3b	window ch I58
	O4a	mbt-c2 ch I4
	O4b	window ch I59
	O5a	slic-c 1 ch I1
	O5b	slic-f 1 ch I1

Settings;
6*(1→2)

SFO Front Panel Layout
Rack 324   Crate 1 (Forwd)
SFO-MBT-F1

FROM		TO
	O0a	mbt1 ch I1
	O0b	window ch I60
	O1a	mbt1 ch I2
	O1b	window ch I61
	O2a	mbt1 ch I3
	O2b	window ch I62
Slic-f 1	I0	
Slic-f 2	I1	
Slic-f 3	I2	
Slic-f 4	I3	
Slic-f 5	I4	
	I5	
	O3a	mbt1 ch I4
	O3b	window ch I63
	O4a	mbt1 ch I5
	O4b	window ch I64
	O5a	
	O5b	

Settings;
6*(1→2)