Scaler Inputs

LHRS:

For both scalers, free running (5th scaler) and normalization (2nd scaler), inputs also to TDC, usage of custom made NIM-ECL module at right rack)

* 1-3: LHRS Single arm triggers
* 4-5: Empty or Single arm triggers from MLU as crosscheck
* 6: L1A Remote Signal (from RHRS)
* 7: Clock RHRS
* 8: Clock LHRS
* 9: empty
* 10: (S0 || S2)LHRS
* 11: LHRS S2L Signal
* 12: LHRS S2R Signal
* 13: (S0 || S2)RHRS (Retiming Signal from RHRS)
* 14: ADC gate LHRS
* 15: L1A LHRS (important for independent spectrometers)
* 16: empty

BCM signals only to the normalization scaler (channel 17-23, 2nd scaler)

Rest of the signals (S2m, S0, GC) in same scalers

RHRS Single arm mode:

For both scalers, free running (2nd scaler) and normalization (4th scaler, exchanged by SIS Scaler from LHRS), inputs also to TDC, usage of custom made NIM-ECL module at right rack

* 1-3: LHRS Single arm triggers
* 4-6: RHRS Single arm triggers
* 7: Clock RHRS
* 8: Clock LHRS
* 9: L1A remote signal (to LHRS)
* 10: Clock RHRS
* 11: RHRS S2L Signal
* 12: RHRS S2R Signal
* 13: (S0 || S2)RHRS
* 14: ADC gate RHRS
* 15: L1A RHRS
* 16: FastBus Remote (from LHRS)

BCM signals only to the normalization scaler (channel 17-23, 4th scaler)

S2, S0 and GC same as before

RHRS Coincidence mode:

For both scalers, free running (2nd scaler) and normalization (4th scaler, exchanged by SIS Scaler from LHRS), inputs also to TDC, usage of custom made NIM-ECL module at right rack

* 1-3: LHRS Single arm triggers
* 4-6: Coincidence triggers
* 7: (S0&S2) RHRS
* 8: Clock LHRS
* 9: L1A remote signal (to LHRS)
* 10: Clock RHRS
* 11: RHRS S2L Signal
* 12: RHRS S2R Signal
* 13: (S0 || S2)RHRS
* 14: ADC gate RHRS
* 15: L1A RHRS
* 16: FastBus Remote (from LHRS)

BCM signals only to the normalization scaler (channel 17-23, 4th scaler)

S2, S0 and GC same as before