PCI to VME fiber bridge

CAEN V560N 16 channel scaler

CAEN V785N 16 channel ADC

CAEN V1290 16 channel TDC

Slot number is **not** critical. Traditionally, Slot 2: ADC, Slot 3: Scaler, Slot 4: TDC
CAEN V560N 16 Channel 32-bit Scaler

- Negative NIM inputs (-800 mV)
- 32 bit word for each input, maximum of 4,294,967,295 counts
- All scaler channels are read and cleared every n seconds, usually n=2
- Scalers can be used, sometimes with voltage-to-frequency converters, to produce “strip charts”
• Gate Common signal negative NIM (-800 mV)
• 16 inputs, 0-4 V unipolar signals
• 1 kΩ input impedance, > 50 nsec rise time
• 4096 channels for the full 4 V range, 2.8 μsec conversion time
• Negative NIM signals (-800 mV)
• 1 channel = 24.414 psec
• Time is difference between all other inputs and input 0
• Up to 16 hits/input
• Search window width settable in software, common stop