

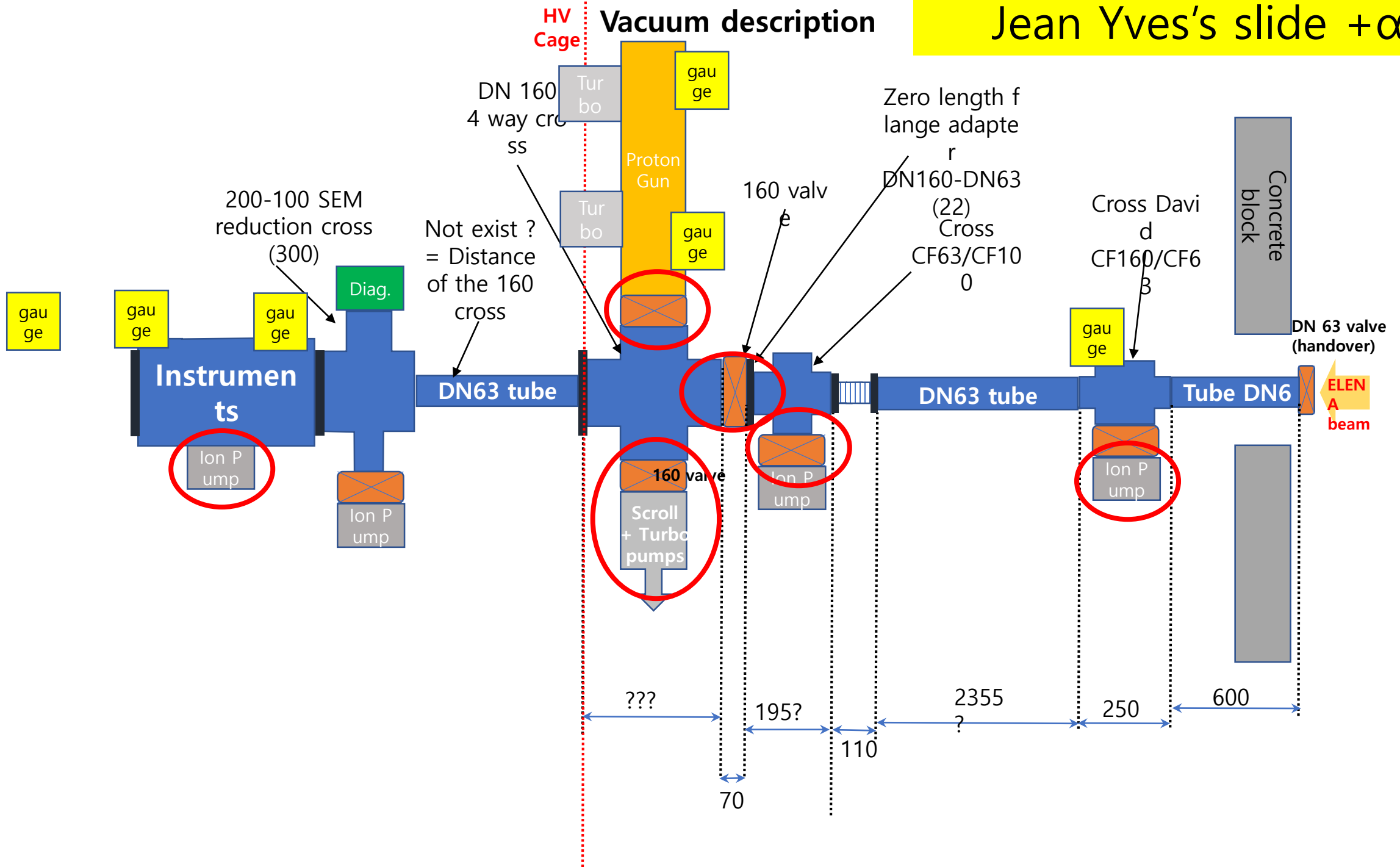
Weekly report

SNU

BongHo Kim

Decelerator issue

- CompactRio preparation : Required for anti-P test from May(?)
 - Control & monitoring HV modules
 - Turn On&Off with monitoring pump, gauges.
 - Adjust gate value.



CompactRio

CompactDAQ (we have) ➔

CompactRio 9066 (8slot) : same as Dirk's one
 ← FPGA + real time OS

Integrated Controller and Chassis				
Part Number	Model	Description	Quantity	Price Per Unit
783169-01	NI cRIO-9066	cRIO-9066, 8-slot Chassis with Integrated 667 MHz Dual-Core Cntrl	1	\$ 2,139
		STANDARD REPAIR COVERAGE	1	
			Subtotal: \$ 2,139	
Modules				
Part Number	Model	Description	Quantity	Price Per Unit
785184-01	NI 9205 with Spring Terminals	NI 9205 Spring Terminal, 32 Ch, +/-200mv To +/-10v, 16-Bit, 250 Ks/S Ai C Series Module	1	\$ 899
		STANDARD REPAIR COVERAGE	1	
785080-01	NI 9940 Spring Terminal Connector Backshell (qty. 1)	NI 9940 Backshell for 36-pos Spring Terminal Connector (qty 1)	1	\$ 37
785190-01	NI 9264	NI 9264 Spring, 16-Ch voltage,+/-10V, 16-bit, 25kS/s/ch AO module	1	\$ 1,058
		STANDARD REPAIR COVERAGE	1	
785080-01	NI 9940 Extra Strain relief, operator protection (qty 1)	NI 9940 Backshell for 36-pos Spring Terminal Connector (qty 1)	1	\$ 37
779600-01	NI 9485	NI 9485 8-Ch, ±60 VDC, 750 mA SSR C Series Module	2	\$ 383
		STANDARD REPAIR COVERAGE	2	
192692-01	NI 9939 Strain relief, operator protection (qty 1)	NI 9939 Backshell for 16-pos connector block (qty 1)	2	\$ 34
779891-02	NI 9870 4-Port RS232 Serial Module	NI 9870 4-Port RS232 Serial Module (Module Only)	1	\$ 599
		STANDARD REPAIR COVERAGE	1	
779892-02	NI 9871 4-Port RS485 Serial Module	NI 9871 4-Port RS422/RS485 Serial Module (Module Only)	1	\$ 716
		STANDARD REPAIR COVERAGE	1	
			Subtotal: \$ 4,180	
System Accessories				
Part Number	Model	Description	Quantity	Price Per Unit
182219-01	Ethernet Cable, Twisted-pair, (1m)	E1 Ethernet Cable, Twisted-pair, 1M	1	\$ 18
779018-01	NI 9915: DIN Rail Kit for 8-slot Chassis	NI 9915 DIN Rail Mount Kit for 8-slot cRIO-910x/911x/906x/907x and cDAQ-917x/918x	1	\$ 34
781094-01	PS-16, 10Amp, 24VDC	NI PS-16 Power Supply, 24 VDC, 10 A, 100-120/200-240 VAC Input	1	\$ 287
		STANDARD REPAIR COVERAGE	1	
199430-01	Side Mount Kit for NI PS-16	Side Mounting Kit for NI PS-16	1	\$ 34
			Subtotal: \$ 373	
Services				
Part Number	Model	Description	Quantity	Price Per Unit
SRV-CR5612158	Standard Services	STANDARD SERVICE PROGRAM FOR COMPACTRIO SYSTEMS	1	\$ 517.12
			Subtotal: \$ 517.12	
			Total Price: \$ 7,209.12	

* Price does not include local taxes or delivery charges.

Serial port

- NI9870 (RS232 – ch4)
 - 4UHV controller (ion pump x2)
 - Turbo pump x3
- NI 9871 (RS485 – ch4)
 - Maxigauge (gauge x 6) ← RS232 capable without isolated circuit
 - ← Or Direct connection to PC(rj45)?

Input (monitor)

- NI9205 (ch32)
 - decelerator(x6) x2(V,I) :12
 - Quad bender(x2) x2(V,I) :4
 - Einzel lense(x1) x3# x2(V,I) :6
 - Triplet(x4) x2(V,I) :8
 - Wien filter(x1~2) x2(V,I) :2~4 → ch32~34
 - MCP :6~8
- NI9201 (ch8) : we have

Output (control)

- NI9264 (ch16) : we have
 - decelerator(x6) :6
 - Quad bender(x2) :2
 - Einzel lense(x1) x3# :3
 - Triplet(x4) :4
 - Wien filter(x1~2) :1~2 → ch16~17
 - MCP :3~4

Relay

- NI9485 (ch8)
 - Gate valve (4~6)
 - Angle valve (3)
 - HV modules (16~17) but we don't need all of this..