

SVXIIb: Layer 3 Pathway Option 1

Option 1: 384 total pathways, 48 Layer 3 pathways

SVXIIb Layer	Number of Pathways						all
	iz= 1	2	3	4	5	6	
0	12	12	12	12	12	12	72
1	6	6	6	6	6	6	36
2	6	6	6	6	6	6	36
3	24			24			48
4	32			32			64
5	40			40			80
6	24			24			48
all							384

5,000 Jet3 events with pile-up ($\langle 3 \rangle$ Min-Bias) at 2 TeV ($\sigma_z = 30\text{cm}$, $N_{\text{over}} = 7$)

SVXIIb Layer	Ave Max Readout Time (total)						5,000 Jet3+ $\langle 3 \rangle$ MB all
	iz= 1	2	3	4	5	6	
0	1.2	1.3	1.4	1.5	1.3	1.2	1.9
1	3.9	3.8	3.9	3.8	3.9	3.9	5.6
2	3.4	3.8	4.1	4.1	3.8	3.4	4.9
3	7.2			7.3			8.0
4	3.2			3.2			3.4
5	4.4			4.4			4.7
6	4.5			4.5			4.8
all							8.0

SVXIIb Layer	Ave Max Readout Time (R- ϕ only)						5,000 Jet3+ $\langle 3 \rangle$ MB all
	iz= 1	2	3	4	5	6	
0	1.2	1.3	1.4	1.5	1.3	1.2	1.9
1	0.9	1.0	1.0	1.0	1.0	0.9	1.3
2	1.7	1.9	2.1	2.1	1.9	1.7	2.5
3	2.5			2.5			2.7
4	2.1			2.1			2.2
5	1.9			1.9			2.0
6	1.7			1.7			1.9
all							2.8

SVXIIb: Layer 3 Pathway Option 2

Option 2: 432 total pathways, 96 Layer 3 pathways

SVXIIb Layer	Number of Pathways						all
iz=	1	2	3	4	5	6	
0	12	12	12	12	12	12	72
1	6	6	6	6	6	6	36
2	6	6	6	6	6	6	36
3	24		24	24	24		96
4	32			32			64
5	40			40			80
6	24			24			48
all							432

5,000 Jet3 events with pile-up (<3> Min-Bias) at 2 TeV ($\sigma_z = 30\text{cm}$, $N_{\text{over}} = 7$)

SVXIIb Layer	Ave Max Readout Time (total)						5,000 Jet3+<3>MB
iz=	1	2	3	4	5	6	all
0	1.2	1.3	1.4	1.5	1.3	1.2	1.9
1	3.9	3.8	3.9	3.8	3.9	3.9	5.6
2	3.4	3.8	4.1	4.1	3.8	3.4	4.9
3	6.1		4.4	4.4	6.1		6.8
4	3.2			3.2			3.4
5	4.4			4.4			4.7
6	4.5			4.5			4.8
all							7.0

SVXIIb Layer	Ave Max Readout Time (R- ϕ only)						5,000 Jet3+<3>MB
iz=	1	2	3	4	5	6	all
0	1.2	1.3	1.4	1.5	1.3	1.2	1.9
1	0.9	1.0	1.0	1.0	1.0	0.9	1.3
2	1.7	1.9	2.1	2.1	1.9	1.7	2.5
3	2.0		1.8	1.8	2.0		2.3
4	2.1			2.1			2.2
5	1.9			1.9			2.0
6	1.7			1.7			1.9
all							2.6

SVXIIb: Layer 3 Pathway Option 3

Option 3: 432 total pathways, 96 Layer 3 pathways

SVXIIb Layer	Number of Pathways						all
	iz= 1	2	3	4	5	6	
0	12	12	12	12	12	12	72
1	6	6	6	6	6	6	36
2	6	6	6	6	6	6	36
3	24	24		24		24	96
4	32			32			64
5	40			40			80
6	24			24			48
all							432

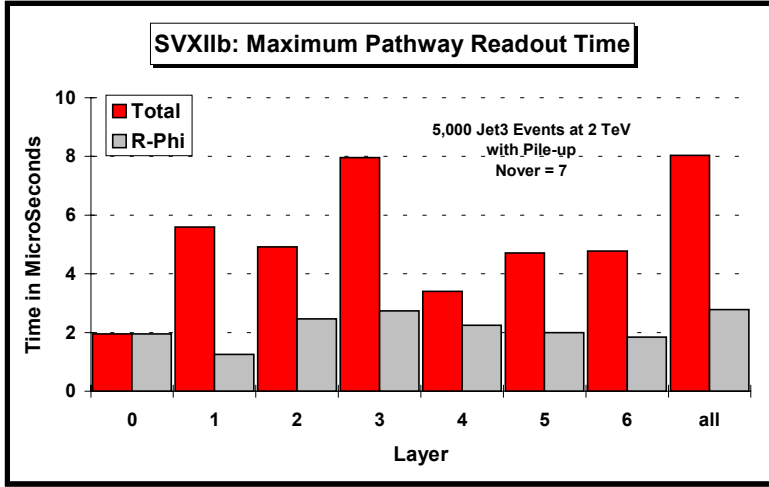
5,000 Jet3 events with pile-up (<3> Min-Bias) at 2 TeV ($\sigma_z = 30\text{cm}$, $N_{\text{over}} = 7$)

SVXIIb Layer	Ave Max Readout Time (total)						5,000 Jet3+<3>MB all
	iz= 1	2	3	4	5	6	
0	1.2	1.3	1.4	1.5	1.3	1.2	1.9
1	3.9	3.8	3.9	3.8	3.9	3.9	5.6
2	3.4	3.8	4.1	4.1	3.8	3.4	4.9
3	4.7	5.9		5.9		4.8	6.6
4	3.2			3.2			3.4
5	4.4			4.4			4.7
6	4.5			4.5			4.8
all							6.8

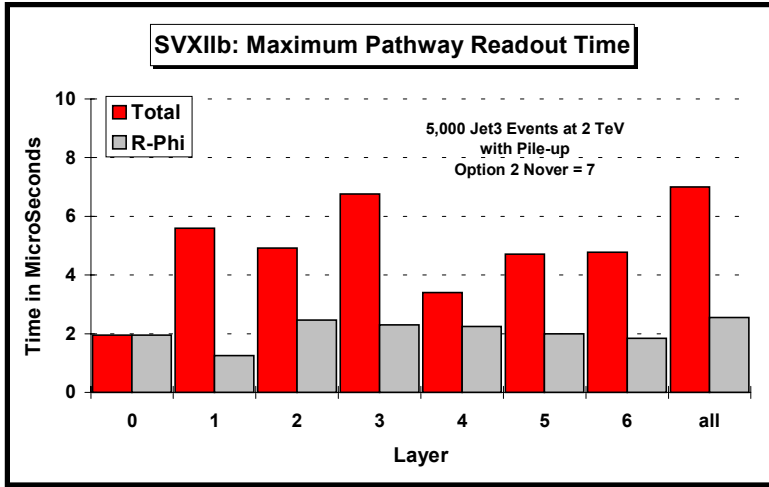
SVXIIb Layer	Ave Max Readout Time (R- ϕ only)						5,000 Jet3+<3>MB all
	iz= 1	2	3	4	5	6	
0	1.2	1.3	1.4	1.5	1.3	1.2	1.9
1	0.9	1.0	1.0	1.0	1.0	0.9	1.3
2	1.7	1.9	2.1	2.1	1.9	1.7	2.5
3	1.6	2.2		2.2		1.6	2.4
4	2.1			2.1			2.2
5	1.9			1.9			2.0
6	1.7			1.7			1.9
all							2.6

SVXIIb: Jet3 + <3> Min-Bias

Option 1: Average Maximum Pathway Readout Time per Layer



Option 2: Average Maximum Pathway Readout Time per Layer



Option 3: Average Maximum Pathway Readout Time per Layer

