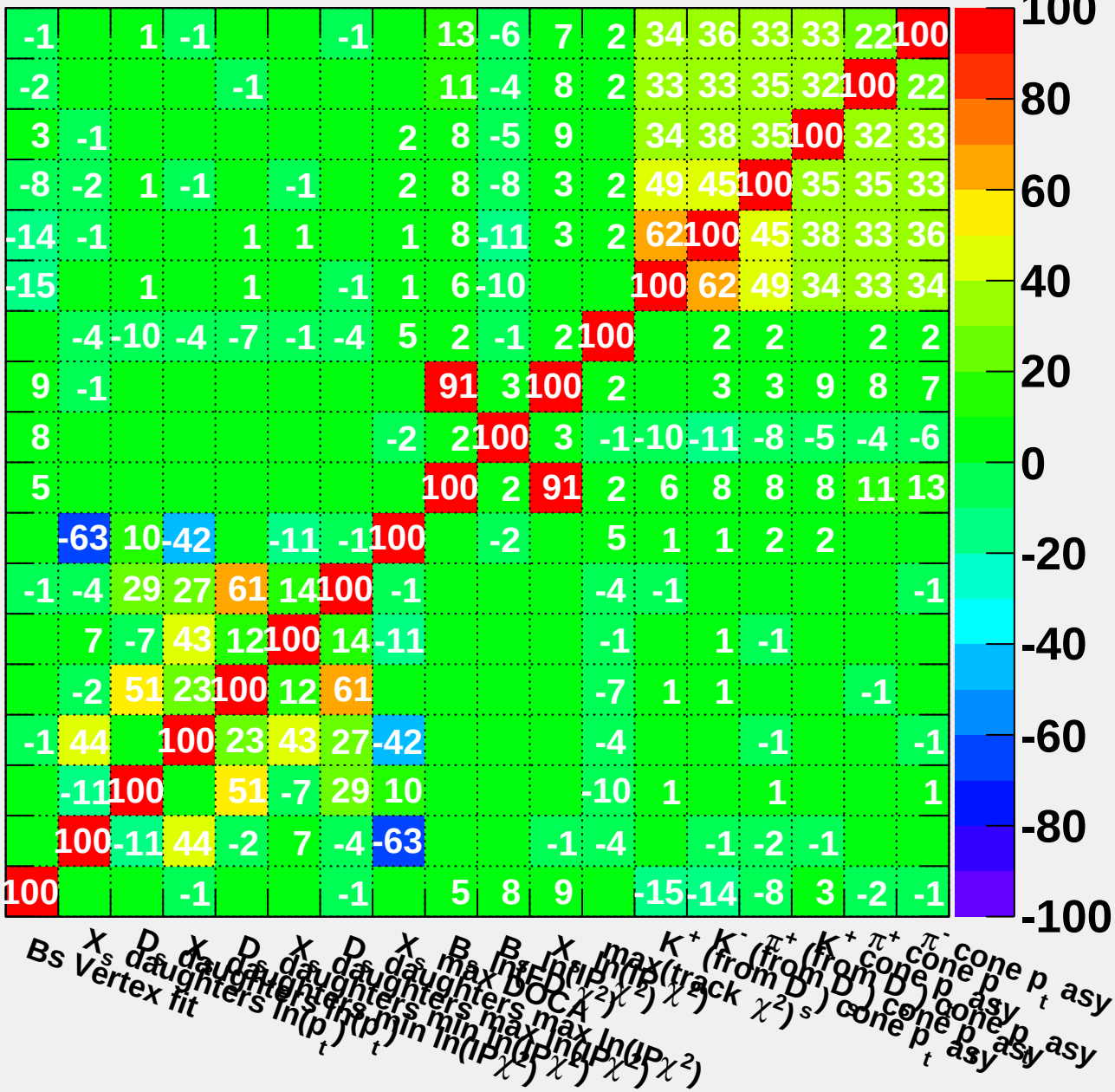
Correlation Matrix (background)

Linear correlation coefficients in %

	Bs Vertex fit	X_s daughters $\ln(p_t)$	D_s daughters $\ln(p_t)$	X_s daughters $\ln(p_t)$	D_s daughters min $\ln(IP\chi^2)$	X_s daughters min $\ln(IP\chi^2)$	D_s daughters max $\ln(IP\chi^2)$	X_s max DOCA	B_s $\ln(FD\chi^2)$	B_s $\ln(IP\chi^2)$	X_s $\ln(IP\chi^2)$	max(track χ^2)	K^+ cone p_t asy	K^- (from D_s) cone p_t asy	π^+ (from D_s) cone p_t asy	K^+ cone p_t asy	π^+ cone p_t	π^- cone p_t asy
K^- cone p_t asy	-1		1	-1			-1		13	-6	7	2	34	36	33	33	22	100
π^+ cone p_t	-2				-1				11	-4	8	2	33	33	35	32	100	22
K^- cone p_t asy	3	-1						2	8	-5	9		34	38	35	100	32	33
K^+ cone p_t asy	-8	-2	1	-1		-1		2	8	-8	3	2	49	45	100	35	35	33
π^- cone p_t asy	-14	-1			1	1		1	8	-11	3	2	62	100	45	38	33	36
π^+ cone p_t asy	-15		1		1		-1	1	6	-10			100	62	49	34	33	34
max(track χ^2)		-4	-10	-4	-7	-1	-4	5	2	-1	2	100		2	2		2	2
X_s $\ln(IP\chi^2)$	9	-1							91	3	100	2		3	3	9	8	7
B_s $\ln(IP\chi^2)$	8							-2	2	100	3	-1	-10	-11	-8	-5	-4	-6
B_s $\ln(FD\chi^2)$	5								100	2	91	2	6	8	8	8	11	13
X_s max DOCA		-63	10	-42		-11	-1	100		-2		5	1	1	2	2		
D_s daughters max $\ln(IP\chi^2)$	-1	-4	29	27	61	14	100	-1				-4	-1					-1
X_s daughters max $\ln(IP\chi^2)$		7	-7	43	12	100	14	-11				-1		1	-1			
D_s daughters min $\ln(IP\chi^2)$		-2	51	23	100	12	61					-7	1	1			-1	
X_s daughters min $\ln(IP\chi^2)$	-1	44		100	23	43	27	-42				-4			-1			-1
D_s daughters $\ln(p_t)$		-11	100		51	-7	29	10				-10	1		1			1
X_s daughters $\ln(p_t)$		100	-11	44	-2	7	-4	-63			-1	-4		-1	-2	-1		
Bs Vertex fit	100			-1			-1		5	8	9		-15	-14	-8	3	-2	-1