Correlation Matrix (background)															
Linear correlation coefficients in %															
patch Particle	18	11	-5	17	20	-3	53	4	62	26	-15	-13	100		100
$f \Lambda_c^+$ daughter	5	1		-4	-5	7	-1	3	-12		14	100	-13	_	80
$z(\Lambda_c^+ - \Lambda_b^0)$	7	-3	2	-16	-4	7	-10	-10	-7	-10	100	14	-15	_	60
$\log(\chi_{IP}^2 \text{ of } K)$	39	5	-5	62	28	-15	5	26	22	100	-10		26		40
of K from Λ_b^0	10	8	-2	9	12	-1	9	-4	100	22	-7	-12	62		
of π from Λ_b^0)	31	3	-1	62	24	-10	29	100	-4	26	-10	3	4		20
of π from Λ_b^0	12	6	-3	12	11	-2	100	29	9	5	-10	-1	53		0

10

-34

-2

100

4

6

100

-12

39

100

-2

6

log(Ninimal Xax) by X= box X= box DIRX.

-12

39

-34

1

100 -12

100

-12

10

 $\log(\Lambda_{\rm b}^0\,\chi_{\rm vtx}^2)$

 $\log \Lambda_{\rm b}^0$ DIRA

 $\log(\Lambda_{\rm b}^0\,\chi_{\rm FD}^2)$

 $log(\Lambda_b^0 \chi_{IP}^2)$

 $log(\Lambda_c^+ \chi_{vtx}^2)$

Λ_c daughters)

-10

22

100

-3

20

17

-5

11

18

-16

2

-3

1

5

-10

24

62

-1

3

31

12

9

-2

8

10

bo bo (be of log(Min Min 12() + Sum for From A BIRD OF NOT FROM A BIRD A BIRD OF NOT FROM A BIRD A BIRD

28

62

-5

5

-2

11

12

-3

6

12

-20

-40

-60

-80

100