## Correlation Matrix (background)

|   |   |     |     |     | iu, | Jui | <u>.g</u> ., | acr | u) i |     | IVIC |     | Hau | Cone                                 |
|---|---|-----|-----|-----|-----|-----|--------------|-----|------|-----|------|-----|-----|--------------------------------------|
| Linear correlation coefficients in %  |   |     |     |     |     |     |              |     |      |     |      |     |     |                                      |
| 100   |   | 100 | 28  | 40  | 39  | -15 | 31           | 7   | 20   | 37  | 9    | -49 | 7   | D <sub>s</sub> log(RFD)              |
| 80  |   | 28  | 100 | 20  | -10 | 10  | -7           |     | -8   | 59  | 14   | 11  | 2   | $D_s \ln(\chi^2_{FD})$               |
| 60  | - | 40  | 20  | 100 | 1   | 5   | 9            | -5  | 12   | 29  | -6   | -17 |     | min[ln(lPχ²)]                        |
| 40  |   | 39  | -10 | 1   | 100 | -34 | 20           | 4   | 22   | -2  | 8    | -29 | 1   | s(max[θ <sub>Ds h</sub> ])           |
| 20  |   | -15 | 10  | 5   | -34 | 100 | -40          |     | -9   | 4   | 11   | 16  |     | max[DOCA]                            |
| 0   |   | 31  | -7  | 9   | 20  | -40 | 100          |     | 12   | 4   |      | -28 | 2   | min[ln(lPχ²)]                        |
| U   |   | 7   |     | -5  | 4   |     |              | 100 | -15  | -7  | 2    | -4  | 2   | [ghostProb]                          |
| -20   |   | 20  | -8  | 12  | 22  | -9  | 12           | -15 | 100  | 14  | -8   | -21 | -3  | $B_s A_{p_t}^{cone}$                 |
| -40   |   | 37  | 59  | 29  | -2  | 4   | 4            | -7  | 14   | 100 | 5    | -6  | -2  | $\Delta\chi^{f 2}_{	ext{add-track}}$ |
| -60   |   | 9   | 14  | -6  | 8   | 11  |              | 2   | -8   | 5   | 100  | 16  | 37  | $\chi^2_{ m DTF}$ /ndf               |
| -80   |   | -49 | 11  | -17 | -29 | 16  | -28          | -4  | -21  | -6  | 16   | 100 | 57  | In(1 - DIRA)                         |
|   |   | 7   | 2   |     | 1   |     | 2            | 2   | -3   | -2  | 37   | 57  | 100 | $B_s In(IP \chi^2)$                  |
| B In (IB In Production of DIRA)  B In (IB In Production of DIRA)  B In (IB In Production of DIRA)  -100  -100  -100  -100  -100  -100 |   |     |     |     |     |     |              |     |      |     |      |     |     |                                      |
| B <sub>s</sub> In(IB In(P) <sub>IF</sub> Indicated P  |   |     |     |     |     |     |              |     |      |     |      |     |     |                                      |