## **Correlation Matrix (signal)**

| Linear correlation coefficients in % |     |        |         |       |                  |                |      |        |         |                    |                     |        |               |                                      |
|--------------------------------------|-----|--------|---------|-------|------------------|----------------|------|--------|---------|--------------------|---------------------|--------|---------------|--------------------------------------|
| D <sub>s</sub> log(RFD)              | 5   | -50    | 25      | 67    | 18               | 1              | 51   | -5     | 33      | 61                 | 50                  | 100    |               | 100                                  |
| $D_s \ln(\chi^2_{FD})$               | 5   | -1     | 13      | 50    | 4                |                | 8    | -2     | 12      | 21                 | 100                 | 50     | _             | 80                                   |
| min[ln(lPχ²)]                        | 6   | -34    | 25      | 39    | 2                | 4              | 36   | -1     | 11      | 100                | 21                  | 61     | _             | 60                                   |
| s(max[θ <sub>Ds h</sub> ])           | 6   | -7     | 29      | 17    | 28               | 2              | 3    | -20    | 100     | 11                 | 12                  | 33     |               | 40                                   |
| max[DOCA]                            | -5  | -3     | 7       | -1    | -3               |                | -19  | 100    | -20     | -1                 | -2                  | -5     |               | 20                                   |
| min[ln(lPχ²)]                        | 4   | -33    | 21      | 30    | 1                | 2              | 100  | -19    | 3       | 36                 | 8                   | 51     |               |                                      |
| t[ghostProb]                         | -1  | 2      | -5      | -2    | -5               | 100            | 2    |        | 2       | 4                  |                     | 1      |               | 0                                    |
| $B_sA^cone_{p_{t}}$                  | 3   | -4     | 16      | 21    | 100              | -5             | 1    | -3     | 28      | 2                  | 4                   | 18     |               | -20                                  |
| $\Delta\chi^{f 2}_{	ext{add-track}}$ | 6   | -28    | 22      | 100   | 21               | -2             | 30   | -1     | 17      | 39                 | 50                  | 67     |               | -40                                  |
| $\chi^2_{ m DTF}$ /ndf               | 27  | 12     | 100     | 22    | 16               | -5             | 21   | 7      | 29      | 25                 | 13                  | 25     |               | -60                                  |
| ln(1 - DIRA)                         | 63  | 100    | 12      | -28   | -4               | 2              | -33  | -3     | -7      | -34                | -1                  | -50    |               | -80                                  |
| $B_s In(IP \chi^2)$                  | 100 | 63     | 27      | 6     | 3                | -1             | 4    | -5     | 6       | 6                  | 5                   | 5      |               |                                      |
|                                      | B   | In(IB) | In Zor  | Indx  | e B <sub>s</sub> | Aୁ ଔଧ୍ୱ        | XIOS | daus i | make    | S(m <sup>s</sup> ) | daus :              | In D   | logg          | -100                                 |
|                                      |     | (112)  | (3) · · | DIRA) | ad-track         | P <sub>t</sub> | เลบด | stpro  | iters r | OCA<br>hinrin      | [gug]<br>  Ds h]    | terson | hinni<br>Yann | -100<br>(PD)<br>(IP <sub>X</sub> 2)1 |
|                                      |     |        |         |       |                  |                |      |        |         | 711)               | (IP <sub>X2</sub> ) | ,      | 711           | 1(IP <sub>X2</sub> )]                |