## correlation\_matrix

|     |                         | '           | '            |              |             | '            |              | '            | '               | '            |
|-----|-------------------------|-------------|--------------|--------------|-------------|--------------|--------------|--------------|-----------------|--------------|
| Pt  | 4.05848e-06             | 0.000294509 | 1.38873e-05  | -0.00101239  | 9.53005e-05 | -5.28657e-05 | 9.86602e-06  | 2.99986e-07  | 7.18613e-06     | 1            |
| er  | 2.84553e-05             | 0.0020649   | 9.73694e-05  | -0.00709819  | 0.000668184 | -0.000370658 | 6.91727e-05  | 2.1033e-06   | 1               | 7.18613e-06  |
| 00  | 1.18787e-06             | 8.61993e-05 | 4.06469e-06  | -0.000296314 | 2.78934e-05 | -1.54732e-05 | 2.88762e-06  | 1            | 2.1033e-06      | 2.99986e-07  |
| ID. | 3.90662e-05             | 0.0028349   | 0.000133679  | -0.00974512  | 0.000917351 | -0.000508878 | 1            | 2.88762e-06  | 6.91727e-05     | 9.86602e-06  |
| a   | -0.000209335            | -0.0151907  | -0.000716311 | 0.0522187    | -0.00491558 | 1            | -0.000508878 | -1.54732e-05 | -0.000370658    | -5.28657e-05 |
| nF  | 0.000377367             | 0.0273841   | 0.00129129   | -0.0941344   | 1           | -0.00491558  | 0.000917351  | 2.78934e-05  | 0.000668184     | 9.53005e-05  |
| r   | -0.00400881             | -0.290905   | -0.0137175   | 1            | -0.0941344  | 0.0522187    | -0.00974512  | -0.000296314 | -0.00709819     | -0.00101239  |
| ир  | 5.49909e-05             | 0.00399049  | 1            | -0.0137175   | 0.00129129  | -0.000716311 | 0.000133679  | 4.06469e-06  | 9.73694e-05     | 1.38873e-05  |
| mi  | 0.00116618              | 1           | 0.00399049   | -0.290905    | 0.0273841   | -0.0151907   | 0.0028349    | 8.61993e-05  | 0.0020649       | 0.000294509  |
| eO  | 1                       | 0.00116618  | 5.49909e-05  | -0.00400881  | 0.000377367 | -0.000209335 | 3.90662e-05  | 1.18787e-06  | 2.84553e-05     | 4.05848e-06  |
|     | Background_rpf_0x0_par0 | lumi        | pilaup       | r            | systOnF     | systOnG      | systOnMulD   | systOnMuReco | systOnMuTrigger | systOnPt     |