| μ                      | 100.0 | 3.3           | 1.3       | -10.9 | -2.1  | -0.7                   | 0.4                    | -4.8     | -20.5 | 37.0      | -9.9  | 7.0      |
|------------------------|-------|---------------|-----------|-------|-------|------------------------|------------------------|----------|-------|-----------|-------|----------|
| ABCD electron          | 3.3   | 100.0         | -63.6     | 18.8  | -4.9  | 4.3                    | 10.5                   | 15.2     | -13.1 | 1.1       | -13.0 | 1.5      |
| ABCD muon              | 1.3   | -63.6         | 100.0     | 7.6   | -2.3  | 1.5                    | 4.4                    | 5.8      | -6.2  | 0.2       | -5.4  | 0.3      |
| FSR                    | -10.9 | 18.8          | 7.6       | 100.0 | -6.4  | 11.3                   | -11.1                  | 42.6     | 13.1  | -0.2      | 21.8  | -18.6    |
| ISR                    | -2.1  | -4.9          | -2.3      | -6.4  | 100.0 | -1.5                   | -2.4                   | 5.8      | 6.5   | -0.7      | -30.9 | -8.9     |
| JET_Flavor_Composition | -0.7  | 4.3           | 1.5       | 11.3  | -1.5  | 100.0                  | -36.7                  | -0.3     | 8.5   | -0.0      | -17.4 | -6.6     |
| JET_Pileup_RhoTopology | 0.4   | 10.5          | 4.4       | -11.1 | -2.4  | -36.7                  | 100.0                  | 0.9      | 9.0   | 0.6       | -6.8  | -7.8     |
| btag_B_0               | -4.8  | 15.2          | 5.8       | 42.6  | 5.8   | -0.3                   | 0.9                    | 100.0    | -1.0  | -0.1      | -29.0 | 6.3      |
| scale                  | -20.5 | -13.1         | -6.2      | 13.1  | 6.5   | 8.5                    | 9.0                    | -1.0     | 100.0 | -2.2      | -0.8  | 12.3     |
| signal PS              | 37.0  | 1.1           | 0.2       | -0.2  | -0.7  | -0.0                   | 0.6                    | -0.1     | -2.2  | 100.0     | -1.6  | 0.8      |
| īt PS                  | -9.9  | -13.0         | -5.4      | 21.8  | -30.9 | -17.4                  | -6.8                   | -29.0    | -0.8  | -1.6      | 100.0 | -52.6    |
| tt hdamp               | 7.0   | 1.5           | 0.3       | -18.6 | -8.9  | -6.6                   | -7.8                   | 6.3      | 12.3  | 0.8       | -52.6 | 100.0    |
|                        | 3.    | ABCD electron | ABCD muon | RS R  | SS    | JET_Flavor_Composition | JET_Pileup_RhoTopology | btag_B_0 | scale | signal PS | T PS  | tt hdamp |