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|------------------------|-------|---------------|-----------|-------|-------|------------------------|---------------------|------------------------|----------|----------|-------|---------------|------------------|
| μ | 100.0 | 4.2 | 1.7 | -10.2 | -2.2 | 0.4 | 2.9 | -1.7 | -2.8 | 1.2 | -23.1 | -9.1 | 1.6 |
| ABCD electron | 4.2 | 100.0 | -62.4 | 13.0 | -3.8 | 4.1 | 2.5 | 11.0 | 16.6 | 6.9 | -12.6 | -14.2 | 2.3 |
| ABCD muon | 1.7 | -62.4 | 100.0 | 6.4 | -1.9 | 2.1 | 1.6 | 4.9 | 7.4 | 3.5 | -5.3 | -5.9 | 0.7 |
| FSR | -10.2 | 13.0 | 6.4 | 100.0 | -11.0 | 11.6 | 0.5 | -9.7 | 51.3 | 26.9 | 12.8 | 21.0 | -10.8 |
| ISR | -2.2 | -3.8 | -1.9 | -11.0 | 100.0 | -1.8 | 2.8 | -1.7 | 9.7 | 5.2 | 10.7 | -39.9 | -8.2 |
| JET_Flavor_Composition | 0.4 | 4.1 | 2.1 | 11.6 | -1.8 | 100.0 | 20.1 | -37.3 | 2.2 | -0.1 | 7.1 | -20.9 | -5.7 |
| JET_Flavor_Response | 2.9 | 2.5 | 1.6 | 0.5 | 2.8 | 20.1 | 100.0 | 16.3 | -2.8 | -1.2 | -1.0 | 9.7 | -5.1 |
| JET_Pileup_RhoTopology | -1.7 | 11.0 | 4.9 | -9.7 | -1.7 | -37.3 | 16.3 | 100.0 | 3.9 | 2.3 | 5.9 | -8.8 | -9.7 |
| btag_B_0 | -2.8 | 16.6 | 7.4 | 51.3 | 9.7 | 2.2 | -2.8 | 3.9 | 100.0 | -24.4 | -8.8 | -22.9 | 8.9 |
| btag_B_1 | 1.2 | 6.9 | 3.5 | 26.9 | 5.2 | -0.1 | -1.2 | 2.3 | -24.4 | 100.0 | -3.1 | -10.9 | 6.1 |
| scale | -23.1 | -12.6 | -5.3 | 12.8 | 10.7 | 7.1 | -1.0 | 5.9 | -8.8 | -3.1 | 100.0 | -4.8 | 11.8 |
| $\bar{t}t$ PS | -9.1 | -14.2 | -5.9 | 21.0 | -39.9 | -20.9 | 9.7 | -8.8 | -22.9 | -10.9 | -4.8 | 100.0 | -52.8 |
| $\bar{t}t$ hdamp | 1.6 | 2.3 | 0.7 | -10.8 | -8.2 | -5.7 | -5.1 | -9.7 | 8.9 | 6.1 | 11.8 | -52.8 | 100.0 |
| | μ | ABCD electron | ABCD muon | FSR | ISR | JET_Flavor_Composition | JET_Flavor_Response | JET_Pileup_RhoTopology | btag_B_0 | btag_B_1 | scale | $\bar{t}t$ PS | $\bar{t}t$ hdamp |