

|                                |                               |                              |                     |                           |            |         |                  |                    |                       |                      |               |               |           |           |                       |                       |       |
|--------------------------------|-------------------------------|------------------------------|---------------------|---------------------------|------------|---------|------------------|--------------------|-----------------------|----------------------|---------------|---------------|-----------|-----------|-----------------------|-----------------------|-------|
| $\mu_{\text{signal strength}}$ | 100.0                         | 2.8                          | -4.5                | -23.4                     | -0.6       | -43.4   | 15.4             | -10.1              | -61.3                 | -0.8                 | 9.2           | -1.3          | -0.3      | 0.3       | -0.3                  | 9.6                   | 6.7   |
| bration_NonClosure_0p2_PreRec  | 2.8                           | 100.0                        | 7.7                 | -0.6                      | -16.3      | -0.4    | 9.9              | -0.2               | -0.8                  | -2.2                 | -9.4          | 3.7           | 0.8       | -1.0      | 0.8                   | -16.4                 | -4.3  |
| JET_InSitu_NonClosure_PreRec   | -4.5                          | 7.7                          | 100.0               | 0.6                       | 0.3        | 0.4     | -3.2             | 0.2                | 0.9                   | 0.2                  | 0.3           | -4.0          | -0.8      | 1.0       | -0.8                  | 19.9                  | 4.6   |
| JET_NNJetEfficiency            | -23.4                         | -0.6                         | 0.6                 | 100.0                     | -0.0       | -0.0    | 0.2              | -0.0               | -0.1                  | -0.0                 | -0.0          | 0.4           | 0.1       | 0.0       | 0.1                   | -7.1                  | -4.4  |
| JET_SingleParticle_HighPt      | -0.6                          | -16.3                        | 0.3                 | -0.0                      | 100.0      | -0.0    | 24.0             | -0.0               | 0.0                   | -11.6                | -51.2         | 0.1           | 0.0       | -0.0      | 0.0                   | 3.5                   | 1.0   |
| Luminosity                     | -43.4                         | -0.4                         | 0.4                 | -0.0                      | -0.0       | 100.0   | 0.2              | -0.0               | -0.0                  | -0.0                 | -0.0          | 0.2           | 0.1       | -0.0      | 0.1                   | -7.4                  | -4.8  |
| MUON CB                        | 15.4                          | 9.9                          | -3.2                | 0.2                       | 24.0       | 0.2     | 100.0            | 0.4                | -2.6                  | -6.3                 | 5.9           | -1.5          | -0.3      | 0.4       | -0.3                  | -5.2                  | -1.2  |
| MUON EFF ISO SYS               | -10.1                         | -0.2                         | 0.2                 | -0.0                      | -0.0       | -0.0    | 0.4              | 100.0              | -0.0                  | 0.0                  | -0.0          | 0.1           | 0.1       | -0.0      | 0.0                   | -1.6                  | -3.1  |
| MUON EFF Trig Syst             | -61.3                         | -0.8                         | 0.9                 | -0.1                      | 0.0        | -0.0    | -2.6             | -0.0               | 100.0                 | -0.1                 | -0.0          | 0.4           | 0.2       | -0.1      | 0.1                   | -11.3                 | -6.2  |
| MUON SAGITTA DATASTAT          | -0.8                          | -2.2                         | 0.2                 | -0.0                      | -11.6      | -0.0    | -6.3             | 0.0                | -0.1                  | 100.0                | -6.9          | 0.1           | 0.0       | -0.0      | 0.0                   | 0.6                   | 0.2   |
| MUON SAGITTA RESBIAS           | 9.2                           | -9.4                         | 0.3                 | -0.0                      | -51.2      | -0.0    | 5.9              | -0.0               | -0.0                  | -6.9                 | 100.0         | 0.1           | 0.0       | -0.0      | 0.0                   | 2.1                   | 0.6   |
| MUR_MUF_Wjets                  | -1.3                          | 3.7                          | -4.0                | 0.4                       | 0.1        | 0.2     | -1.5             | 0.1                | 0.4                   | 0.1                  | 0.1           | 100.0         | -0.6      | 2.0       | -0.6                  | 72.9                  | -1.5  |
| MUR_MUF_Zjets                  | -0.3                          | 0.8                          | -0.8                | 0.1                       | 0.0        | 0.1     | -0.3             | 0.1                | 0.2                   | 0.0                  | 0.0           | -0.6          | 100.0     | -0.1      | -0.4                  | 3.2                   | 80.7  |
| MUR_Wjets                      | 0.3                           | -1.0                         | 1.0                 | 0.0                       | -0.0       | -0.0    | 0.4              | -0.0               | -0.1                  | -0.0                 | -0.0          | 2.0           | -0.1      | 100.0     | -0.1                  | 58.6                  | -0.0  |
| MUR_Zjets                      | -0.3                          | 0.8                          | -0.8                | 0.1                       | 0.0        | 0.1     | -0.3             | 0.0                | 0.1                   | 0.0                  | 0.0           | -0.6          | -0.4      | -0.1      | 100.0                 | 2.3                   | 56.3  |
| $\mu_{\text{W+jets}}$          | 9.6                           | -16.4                        | 19.9                | -7.1                      | 3.5        | -7.4    | -5.2             | -1.6               | -11.3                 | 0.6                  | 2.1           | 72.9          | 3.2       | 58.6      | 2.3                   | 100.0                 | 8.0   |
| $\mu_{\text{Z+jets}}$          | 6.7                           | -4.3                         | 4.6                 | -4.4                      | 1.0        | -4.8    | -1.2             | -3.1               | -6.2                  | 0.2                  | 0.6           | -1.5          | 80.7      | -0.0      | 56.3                  | 8.0                   | 100.0 |
| $\mu_{\text{signal strength}}$ | bration_NonClosure_0p2_PreRec | JET_InSitu_NonClosure_PreRec | JET_NNJetEfficiency | JET_SingleParticle_HighPt | Luminosity | MUON CB | MUON EFF ISO SYS | MUON EFF Trig Syst | MUON SAGITTA DATASTAT | MUON SAGITTA RESBIAS | MUR_MUF_Wjets | MUR_MUF_Zjets | MUR_Wjets | MUR_Zjets | $\mu_{\text{W+jets}}$ | $\mu_{\text{Z+jets}}$ |       |