

| PYTHIA8 Parameter | 1- | 1+ | 2- | 2+ | 3- | 3+ | 4- | 4+ |
|--------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| MultipartonInteractions:pT0Ref [GeV] | 2.101 | 2.101 | 2.068 | 2.135 | 2.100 | 2.102 | 2.079 | 2.123 |
| MultipartonInteractions:ecmPow | 0.191 | 0.231 | 0.210 | 0.211 | 0.231 | 0.191 | 0.191 | 0.231 |
| MultipartonInteractions:expPow | 1.609 | 1.609 | 1.602 | 1.616 | 1.613 | 1.605 | 1.714 | 1.503 |
| ColourReconnection:range | 3.030 | 3.609 | 3.313 | 3.313 | 3.311 | 3.314 | 3.314 | 3.311 |