

|           | ATLAS        |       |       |              |       |       | CMS          |      |      |              |       |       |       |           |       |
|-----------|--------------|-------|-------|--------------|-------|-------|--------------|------|------|--------------|-------|-------|-------|-----------|-------|
|           | 2011 (7 TeV) |       |       | 2012 (8 TeV) |       |       | 2011 (7 TeV) |      |      | 2012 (8 TeV) |       |       |       |           |       |
|           | dil          | lj    | aj    | dil          | lj    | aj    | dil          | lj   | aj   | dil          | lj    | aj    | t     | J/ $\psi$ | vtx   |
| dil       | 1.00         | -0.40 | 0.84  | 0.54         | 0.34  | 0.48  | 0.00         | 0.00 | 0.00 | 0.00         | 0.00  | 0.00  | 0.00  | 0.00      | 0.00  |
| lj        | -0.40        | 1.00  | -0.01 | 0.04         | -0.14 | 0.10  | 0.00         | 0.00 | 0.00 | 0.00         | 0.00  | 0.00  | 0.00  | 0.00      | 0.00  |
| aj        | 0.84         | -0.01 | 1.00  | 0.63         | 0.38  | 0.58  | 0.00         | 0.00 | 0.00 | 0.00         | 0.00  | 0.00  | 0.00  | 0.00      | 0.00  |
| dil       | 0.54         | 0.04  | 0.63  | 1.00         | -0.23 | 0.97  | 0.00         | 0.00 | 0.00 | 0.00         | 0.00  | 0.00  | 0.00  | 0.00      | 0.00  |
| lj        | 0.34         | -0.14 | 0.38  | -0.23        | 1.00  | -0.32 | 0.00         | 0.00 | 0.00 | 0.00         | 0.00  | 0.00  | 0.00  | 0.00      | 0.00  |
| aj        | 0.48         | 0.10  | 0.58  | 0.97         | -0.32 | 1.00  | 0.00         | 0.00 | 0.00 | 0.00         | 0.00  | 0.00  | 0.00  | 0.00      | 0.00  |
| dil       | 0.00         | 0.00  | 0.00  | 0.00         | 0.00  | 0.00  | 1.00         | 1.00 | 1.00 | 0.00         | 0.00  | 0.00  | 0.00  | 0.00      | 0.00  |
| lj        | 0.00         | 0.00  | 0.00  | 0.00         | 0.00  | 0.00  | 1.00         | 1.00 | 1.00 | 0.00         | 0.00  | 0.00  | 0.00  | 0.00      | 0.00  |
| aj        | 0.00         | 0.00  | 0.00  | 0.00         | 0.00  | 0.00  | 1.00         | 1.00 | 1.00 | 0.00         | 0.00  | 0.00  | 0.00  | 0.00      | 0.00  |
| dil       | 0.00         | 0.00  | 0.00  | 0.00         | 0.00  | 0.00  | 0.00         | 0.00 | 0.00 | 1.00         | -1.00 | -1.00 | -1.00 | 1.00      | -1.00 |
| lj        | 0.00         | 0.00  | 0.00  | 0.00         | 0.00  | 0.00  | 0.00         | 0.00 | 0.00 | -1.00        | 1.00  | 1.00  | 1.00  | -1.00     | 1.00  |
| aj        | 0.00         | 0.00  | 0.00  | 0.00         | 0.00  | 0.00  | 0.00         | 0.00 | 0.00 | -1.00        | 1.00  | 1.00  | 1.00  | -1.00     | 1.00  |
| t         | 0.00         | 0.00  | 0.00  | 0.00         | 0.00  | 0.00  | 0.00         | 0.00 | 0.00 | -1.00        | 1.00  | 1.00  | 1.00  | -1.00     | 1.00  |
| J/ $\psi$ | 0.00         | 0.00  | 0.00  | 0.00         | 0.00  | 0.00  | 0.00         | 0.00 | 0.00 | 1.00         | -1.00 | -1.00 | -1.00 | 1.00      | -1.00 |
| vtx       | 0.00         | 0.00  | 0.00  | 0.00         | 0.00  | 0.00  | 0.00         | 0.00 | 0.00 | -1.00        | 1.00  | 1.00  | 1.00  | -1.00     | 1.00  |