

$${}^2D_4(q) \bmod l, d = 2 \quad ((q+1)_l > 3)$$

|      | <i>ps</i> | <i>ps</i> | <i>ps</i> | <i>A</i> <sub>1</sub> | 211 | <i>A</i> <sub>1</sub> | <i>ps</i> | <sup>2</sup> <i>A</i> <sub>3</sub> | 211 | <sup>2</sup> <i>A</i> <sub>3</sub> |
|------|-----------|-----------|-----------|-----------------------|-----|-----------------------|-----------|------------------------------------|-----|------------------------------------|
| 3.   | 1         | .         | .         | .                     | .   | .                     | .         | .                                  | .   | .                                  |
| 21.  | .         | 1         | .         | .                     | .   | .                     | .         | .                                  | .   | .                                  |
| 2.1  | .         | 1         | 1         | .                     | .   | .                     | .         | .                                  | .   | .                                  |
| 111. | 1         | .         | .         | 1                     | .   | .                     | .         | .                                  | .   | .                                  |
| .3   | .         | .         | 1         | .                     | 1   | .                     | .         | .                                  | .   | .                                  |
| 11.1 | .         | 1         | 1         | .                     | .   | 1                     | .         | .                                  | .   | .                                  |
| 1.2  | 1         | .         | .         | .                     | .   | .                     | 1         | .                                  | .   | .                                  |
| 1.11 | 1         | .         | .         | 1                     | 2   | .                     | 1         | 1                                  | .   | .                                  |
| .21  | .         | .         | .         | .                     | 2   | .                     | 1         | 1                                  | 1   | .                                  |
| .111 | .         | .         | 1         | .                     | 1   | 1                     | .         | .                                  | 2   | 1                                  |

### References

[DM19] O. Dudas and G. Malle. Bounding Harish-Chandra series. *Trans. Amer. Math. Soc.*, 371(9):6511–6530, 2019.