$L_2(81).2_3$ (mod 2)

	blocks	defect	matrix
G :	1	5	11×2
	2	0	$160_1 = \chi_{4+}, \varphi_{4+}$
	3	0	$160_2 = \chi_{6+}, \varphi_{6+}$
	4	0	$160_3 = \chi_{8+}, \varphi_{8+}$
	5	0	$160_4 = \chi_{10+}, \varphi_{10+}$
	6	0	$160_5 = \chi_{12+}, \varphi_{12+}$
	7	0	$160_6 = \chi_{14+}, \varphi_{14+}$

blocks	defect	matrix
8	0	$160_7 = \chi_{16+}, \varphi_{16+}$
9	0	$160_8 = \chi_{18+}, \varphi_{18+}$
10	0	$160_9 = \chi_{20+}, \varphi_{20+}$
11	0	$160_{10} = \chi_{22+}, \varphi_{22+}$
12	4	7×1
13	4	7×1

Block 1:	$\varphi_{1,0}$	φ_{2+}
$1_1 = \chi_{1,0}$	1	.
$1_2 = \chi_{1,1}$	1	.
$82_1 = \chi_{2+}$	2	1
$81_1 = \chi_{24,0}$	1	1
$81_2 = \chi_{24,1}$	1	1
$82_2 = \chi_{25,0}$	2	1
$82_3 = \chi_{25,1}$	2	1
$82_8 = \chi_{28,0}$	2	1
$82_9 = \chi_{28,1}$	2	1
$82_{10} = \chi_{29,0}$	2	1
$82_{11} = \chi_{29,1}$	2	1

$$\varphi_{1,0} = 1_1$$
$$\varphi_{2+} = 80_1$$

Block 12:	$\varphi_{24,0}$
$82_4 = \chi_{26,0}$	1
$82_5 = \chi_{26,1}$	1
$82_{12} = \chi_{30,0}$	1
$82_{13} = \chi_{30,1}$	1
$164_1 = \chi_{32+}$	2
$164_3 = \chi_{36+}$	2
$164_5 = \chi_{40+}$	2

$$\varphi_{24,0} = 82_1$$

Block 13:	$\varphi_{25,0}$
$82_6 = \chi_{27,0}$	1
$82_7 = \chi_{27,1}$	1
$82_{14} = \chi_{31,0}$	1
$82_{15} = \chi_{31,1}$	1
$164_2 = \chi_{34+}$	2
$164_4 = \chi_{38+}$	2
$164_6 = \chi_{42+}$	2

$$\varphi_{25,0} \;=\; 82_2$$