Erratum: Measurement of the electron charge asymmetry in $p\bar{p} \to W + X \to e\nu + X$ decays in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV [Phys. Rev. D 91, 032007 (2015)]

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(D0 Collaboration)

The recent paper on the charge asymmetry for electrons from W boson decay has an error in Tables VII–XI that shows the correlation coefficients of systematic uncertainties. The correlation matrix elements shown in the original publication were the square roots of the calculated values.

The corrected correlation matrices are shown in Tables VII–XI. The table numbers used here correspond directly to those in the paper. The results of the paper are unchanged except for these tables.

TABLE VII. Correlation matrix of the systematic uncertainties between different $|\eta^e|$ bins for events with $E_T^e > 25$ GeV, $E_T > 25$ GeV. The "$|\eta^e|$ bin" represents the indexing of the η^e bins used in this analysis.

$|\eta^e|$ bin	1	2	3	4	5	6	7	8	9	10	11	12	13
1	1.00	0.68	0.63	0.56	0.52	0.54	0.46	0.45	0.44	0.40	0.31	0.30	0.27
2		1.00	0.82	0.78	0.76	0.77	0.73	0.71	0.65	0.54	0.40	0.40	0.31
3			1.00	0.85	0.84	0.84	0.81	0.76	0.70	0.57	0.42	0.41	0.31
4				1.00	0.93	0.90	0.89	0.74	0.67	0.56	0.40	0.40	0.30
5					1.00	0.91	0.90	0.74	0.68	0.57	0.40	0.40	0.29
6						1.00	0.89	0.78	0.71	0.58	0.41	0.41	0.29
7							1.00	0.82	0.74	0.59	0.41	0.41	0.27
8								1.00	0.81	0.61	0.44	0.42	0.24
9									1.00	0.56	0.40	0.38	0.22
10										1.00	0.32	0.30	0.20
11											1.00	0.22	0.15
12												1.00	0.14
13													1.00

TABLE VIII. Correlation matrix of the systematic uncertainties between different $|\eta^e|$ bins for events with $25 < E_T^e < 35$ GeV, $E_T > 25$ GeV.

$|\eta^e|$ bin	1	2	3	4	5	6	7	8	9	10	11	12	13
1	1.00	0.29	0.27	0.27	0.28	0.29	0.29	0.28	0.22	0.20	0.18	0.17	0.16
2		1.00	0.37	0.42	0.42	0.41	0.37	0.37	0.30	0.28	0.25	0.27	0.22
3			1.00	0.47	0.47	0.44	0.40	0.40	0.35	0.32	0.28	0.29	0.23
4				1.00	0.58	0.55	0.51	0.49	0.41	0.39	0.33	0.38	0.28
5					1.00	0.58	0.56	0.48	0.38	0.37	0.32	0.40	0.29
6						1.00	0.57	0.49	0.39	0.37	0.32	0.39	0.29
7							1.00	0.52	0.41	0.38	0.31	0.40	0.29
8								1.00	0.48	0.41	0.32	0.35	0.28
9									1.00	0.40	0.29	0.29	0.24
10										1.00	0.26	0.27	0.22
11											1.00	0.22	0.18
12												1.00	0.21
13													1.00

TABLE IX. Correlation matrix of the systematic uncertainties between different $|\eta^e|$ bins for events with $25 < E_T^e < 35$ GeV, $25 < E_T < 35$ GeV.

$|\eta^e|$ bin	1	2	3	4	5	6	7	8	9	10	11	12	13
1	1.00	0.46	0.43	0.45	0.46	0.48	0.45	0.44	0.36	0.33	0.30	0.28	0.26
2		1.00	0.51	0.56	0.57	0.56	0.54	0.55	0.49	0.45	0.39	0.40	0.34
3			1.00	0.57	0.57	0.56	0.53	0.56	0.52	0.48	0.40	0.42	0.35
4				1.00	0.65	0.63	0.62	0.63	0.60	0.56	0.47	0.51	0.41
5					1.00	0.66	0.66	0.65	0.61	0.57	0.48	0.54	0.41
6						1.00	0.68	0.63	0.57	0.54	0.47	0.53	0.41
7							1.00	0.62	0.56	0.54	0.48	0.57	0.43
8								1.00	0.59	0.55	0.46	0.50	0.39
9									1.00	0.55	0.45	0.50	0.38
10										1.00	0.43	0.49	0.37
11											1.00	0.41	0.31
12												1.00	0.36
13													1.00

TABLE X. Correlation matrix of the systematic uncertainties between different $|\eta^e|$ bins for events with $E_T^e > 35$ GeV, $E_T > 25$ GeV.

$|\eta^e|$ bin	1	2	3	4	5	6	7	8	9	10	11	12	13
1	1.00	0.75	0.66	0.59	0.56	0.57	0.47	0.47	0.44	0.42	0.34	0.28	0.25
2		1.00	0.89	0.82	0.80	0.81	0.75	0.78	0.73	0.63	0.47	0.37	0.29
3			1.00	0.90	0.88	0.89	0.85	0.89	0.81	0.69	0.51	0.38	0.29
4				1.00	0.95	0.93	0.92	0.89	0.75	0.69	0.53	0.37	0.27
5					1.00	0.92	0.92	0.88	0.74	0.69	0.53	0.36	0.26
6						1.00	0.90	0.89	0.77	0.69	0.52	0.36	0.27
7							1.00	0.89	0.75	0.68	0.51	0.35	0.24
8								1.00	0.82	0.70	0.51	0.36	0.26
9									1.00	0.62	0.44	0.33	0.24
10										1.00	0.40	0.28	0.21
11											1.00	0.21	0.16
12												1.00	0.12
13													1.00

TABLE XI. Correlation matrix of the systematic uncertainties between different $|\eta^e|$ bins for events with $E_T^e > 35$ GeV, $E_T > 35$ GeV.

$|\eta^e|$ bin	1	2	3	4	5	6	7	8	9	10	11	12	13
1	1.00	0.82	0.72	0.63	0.55	0.58	0.39	0.39	0.39	0.33	0.26	0.24	0.24
2		1.00	0.84	0.79	0.73	0.73	0.58	0.59	0.53	0.42	0.32	0.25	0.25
3			1.00	0.87	0.84	0.81	0.71	0.73	0.62	0.47	0.35	0.24	0.23
4				1.00	0.88	0.84	0.78	0.80	0.65	0.49	0.36	0.24	0.22
5					1.00	0.84	0.81	0.82	0.66	0.49	0.36	0.23	0.20
6						1.00	0.75	0.76	0.62	0.46	0.35	0.23	0.20
7							1.00	0.77	0.60	0.44	0.33	0.21	0.16
8								1.00	0.63	0.45	0.33	0.19	0.16
9									1.00	0.37	0.28	0.18	0.15
10										1.00	0.22	0.16	0.13
11											1.00	0.13	0.10
12												1.00	0.09
13													1.00