

SUPPLEMENTAL MATERIAL

p_T [GeV/c]	6.15	7.34	9.50	11.34	13.25	15.47	18.07	21.16	24.68	28.56	32.90
6.15	1	0.043	0.062	0.051	0.037	0.026	0.019	0.012	0.011	0.007	0.003
7.34		1	0.051	0.045	0.033	0.023	0.018	0.012	0.011	0.007	0.003
9.50			1	0.069	0.051	0.037	0.029	0.019	0.017	0.011	0.005
11.34				1	0.051	0.039	0.032	0.020	0.019	0.013	0.006
13.25					1	0.034	0.028	0.019	0.017	0.010	0.005
15.47						1	0.027	0.019	0.016	0.010	0.004
18.07							1	0.023	0.019	0.011	0.005
21.16								1	0.022	0.014	0.006
24.68									1	0.020	0.011
28.56										1	0.016
32.90											1

TABLE I. The correlation matrix for the point-to-point uncertainties in the inclusive jet measurements for jets in the η range $0.5 < |\eta| < 1$. At low p_T , the dominant effects arise from correlated systematic uncertainties, whereas at high p_T , the dominant effects arise from the statistical correlations when two jets in the same event satisfy all the inclusive jet cuts. The A_{LL} uncertainty contribution of 0.0007 from uncertainty in the relative luminosity measurement and 6.1% from the beam polarization uncertainty, which are common to all the data points, are separated from the listed values.

p_T [GeV/c]	6.00	7.31	9.47	11.33	13.36	15.74	18.43	21.49	25.10	29.17	33.81
6.00	1	0.448	0.549	0.463	0.353	0.244	0.163	0.102	0.064	0.035	0.018
7.31		1	0.450	0.379	0.287	0.198	0.130	0.080	0.049	0.027	0.014
9.47			1	0.470	0.361	0.251	0.171	0.109	0.069	0.038	0.020
11.33				1	0.309	0.217	0.149	0.095	0.060	0.033	0.017
13.36					1	0.177	0.129	0.085	0.056	0.031	0.016
15.74						1	0.104	0.072	0.049	0.027	0.014
18.43							1	0.075	0.056	0.032	0.017
21.49								1	0.062	0.040	0.021
25.10									1	0.056	0.033
29.17										1	0.053
33.81											1

TABLE II. The correlation matrix for the point-to-point uncertainties in the inclusive jet measurements for jets in the η range $|\eta| < 0.5$. At low p_T , the dominant effects arise from correlated systematic uncertainties. Large correlations at this region originate from dominating underlying-event uncertainties which are fully correlated among the data points. At high p_T , the dominant effects arise from the statistical correlations when two jets in the same event satisfy all the inclusive jet cuts. The A_{LL} uncertainty contribution of 0.0007 from uncertainty in the relative luminosity measurement and 6.1% from the beam polarization uncertainty, which are common to all the data points, are separated from the listed values.

p_T [GeV/c]	6.06	7.32	9.48	11.33	13.32	15.64	18.30	21.38	24.97	28.98	33.55
6.06	1	0.415	0.516	0.431	0.325	0.224	0.148	0.093	0.058	0.033	0.017
7.32		1	0.422	0.353	0.267	0.185	0.123	0.077	0.048	0.027	0.014
9.48			1	0.451	0.346	0.243	0.166	0.107	0.068	0.039	0.020
11.33				1	0.303	0.217	0.153	0.100	0.066	0.038	0.020
13.32					1	0.183	0.136	0.092	0.062	0.036	0.018
15.64						1	0.117	0.084	0.057	0.033	0.016
18.30							1	0.090	0.066	0.039	0.019
21.38								1	0.078	0.051	0.025
24.97									1	0.071	0.042
28.98										1	0.066
33.55											1

TABLE III. The correlation matrix for the point-to-point uncertainties in the inclusive jet measurements for jets in the η range $|\eta| < 1$. At low p_T , the dominant effects arise from correlated systematic uncertainties. Large correlations at this region originate from dominating underlying-event uncertainties which are fully correlated among the data points. At high p_T , the dominant effects arise from the statistical correlations when two jets in the same event satisfy all the inclusive jet cuts. The A_{LL} uncertainty contribution of 0.0007 from uncertainty in the relative luminosity measurement and 6.1% from the beam polarization uncertainty, which are common to all the data points, are separated from the listed values.

p_T [GeV/c]	6.15	7.34	9.50	11.34	13.25	15.47	18.07	21.16	24.68	28.56	32.90
6.00	0.019	0.021	0.029	0.033	0.026	0.020	0.018	0.012	0.013	0.009	0.005
7.31	0.013	0.015	0.019	0.021	0.017	0.013	0.012	0.008	0.008	0.006	0.003
9.47	0.021	0.024	0.037	0.042	0.034	0.027	0.024	0.016	0.017	0.011	0.005
11.33	0.019	0.021	0.034	0.039	0.033	0.027	0.024	0.016	0.016	0.010	0.005
13.36	0.020	0.022	0.037	0.044	0.038	0.034	0.030	0.021	0.019	0.012	0.006
15.74	0.016	0.018	0.030	0.037	0.035	0.033	0.033	0.025	0.021	0.013	0.006
18.43	0.019	0.021	0.034	0.041	0.038	0.038	0.041	0.035	0.030	0.019	0.009
21.49	0.015	0.017	0.027	0.033	0.030	0.031	0.037	0.038	0.038	0.026	0.013
25.10	0.014	0.015	0.024	0.028	0.024	0.024	0.029	0.035	0.042	0.037	0.023
29.17	0.009	0.009	0.015	0.017	0.014	0.014	0.017	0.022	0.032	0.040	0.030
33.81	0.005	0.005	0.008	0.009	0.008	0.007	0.008	0.010	0.019	0.029	0.035

TABLE IV. The correlation matrix for the point-to-point uncertainties coupling the inclusive jet measurements for jets in the $|\eta| < 0.5$ (rows) and $0.5 < |\eta| < 1$ (columns) ranges. The A_{LL} uncertainty contribution of 0.0007 from uncertainty in the relative luminosity measurement and 6.1% from the beam polarization uncertainty, which are common to all the data points, are separated from the listed values.

p_T [GeV/c]	M_{inv} [GeV/c ²]							
	20.29	23.50	28.28	34.15	40.96	50.75	69.11	
6.15	0.013	0.013	0.012	0.008	0.007	0.009	0.006	
7.34	0.021	0.018	0.014	0.009	0.008	0.010	0.007	
9.50	0.060	0.056	0.032	0.015	0.012	0.016	0.010	
11.34	0.063	0.081	0.060	0.024	0.014	0.018	0.012	
13.25	0.030	0.074	0.083	0.045	0.016	0.014	0.009	
15.47	0.011	0.043	0.076	0.080	0.036	0.014	0.007	
18.07	0.010	0.020	0.046	0.078	0.081	0.030	0.007	
21.16	0.006	0.009	0.020	0.041	0.085	0.080	0.005	
24.68	0.007	0.009	0.012	0.017	0.042	0.114	0.017	
28.56	0.005	0.007	0.007	0.007	0.015	0.081	0.068	
32.90	0.002	0.003	0.003	0.003	0.004	0.027	0.108	

TABLE V. The correlation matrix for the point-to-point uncertainties coupling the inclusive jet measurement for jets in the $0.5 < |\eta| < 1$ region (rows) with dijet measurements with $\text{sign}(\eta_1) = \text{sign}(\eta_2)$ topology (columns). The A_{LL} uncertainty contribution of 0.0007 from uncertainty in the relative luminosity measurement and 6.1% from the beam polarization uncertainty, which are common to all the data points, are separated from the listed values.

p_T [GeV/c]	M_{inv} [GeV/ c^2]	20.48	23.65	28.50	34.38	41.38	51.25	69.96
6.15		0.016	0.015	0.013	0.008	0.007	0.009	0.005
7.34		0.020	0.022	0.016	0.009	0.008	0.010	0.005
9.50		0.056	0.064	0.042	0.019	0.012	0.016	0.008
11.34		0.035	0.076	0.071	0.035	0.016	0.018	0.009
13.25		0.015	0.052	0.079	0.063	0.027	0.015	0.007
15.47		0.011	0.024	0.060	0.080	0.061	0.023	0.005
18.07		0.010	0.013	0.033	0.059	0.088	0.060	0.006
21.16		0.006	0.008	0.014	0.027	0.063	0.112	0.011
24.68		0.007	0.009	0.010	0.013	0.026	0.114	0.056
28.56		0.005	0.006	0.007	0.006	0.009	0.057	0.130
32.90		0.002	0.003	0.003	0.002	0.003	0.018	0.122

TABLE VI. The correlation matrix for the point-to-point uncertainties coupling the inclusive jet measurement for jets in the $0.5 < |\eta| < 1$ region (rows) with dijet measurements with $\text{sign}(\eta_1) \neq \text{sign}(\eta_2)$ topology (columns). The A_{LL} uncertainty contribution of 0.0007 from uncertainty in the relative luminosity measurement and 6.1% from the beam polarization uncertainty, which are common to all the data points, are separated from the listed values.

p_T [GeV/c]	M_{inv} [GeV/ c^2]	20.29	23.50	28.28	34.15	40.96	50.75	69.11
6.00		0.019	0.020	0.020	0.013	0.011	0.015	0.010
7.31		0.024	0.019	0.013	0.008	0.007	0.009	0.006
9.47		0.066	0.062	0.036	0.017	0.014	0.018	0.012
11.33		0.077	0.098	0.070	0.025	0.013	0.015	0.010
13.36		0.042	0.106	0.122	0.068	0.021	0.017	0.011
15.74		0.014	0.066	0.120	0.135	0.061	0.019	0.009
18.43		0.016	0.033	0.078	0.138	0.149	0.055	0.011
21.49		0.013	0.018	0.038	0.075	0.160	0.161	0.011
25.10		0.012	0.015	0.020	0.030	0.078	0.236	0.038
29.17		0.007	0.009	0.010	0.011	0.024	0.164	0.168
33.81		0.004	0.005	0.006	0.005	0.007	0.057	0.259

TABLE VII. The correlation matrix for the point-to-point uncertainties coupling the inclusive jet measurement for jets in the $|\eta| < 0.5$ region (rows) with dijet measurements with $\text{sign}(\eta_1) = \text{sign}(\eta_2)$ topology (columns). The A_{LL} uncertainty contribution of 0.0007 from uncertainty in the relative luminosity measurement and 6.1% from the beam polarization uncertainty, which are common to all the data points, are separated from the listed values.

p_T [GeV/c]	M_{inv} [GeV/ c^2]	20.48	23.65	28.50	34.38	41.38	51.25	69.96
6.00		0.022	0.021	0.020	0.013	0.011	0.015	0.007
7.31		0.027	0.022	0.014	0.008	0.007	0.009	0.004
9.47		0.075	0.070	0.042	0.019	0.013	0.018	0.009
11.33		0.070	0.103	0.079	0.032	0.014	0.016	0.008
13.36		0.031	0.099	0.124	0.082	0.028	0.018	0.008
15.74		0.013	0.053	0.111	0.138	0.080	0.024	0.007
18.43		0.016	0.027	0.069	0.122	0.156	0.078	0.009
21.49		0.013	0.017	0.033	0.063	0.139	0.183	0.013
25.10		0.012	0.015	0.019	0.027	0.063	0.226	0.062
29.17		0.007	0.009	0.010	0.010	0.020	0.138	0.196
33.81		0.004	0.005	0.006	0.004	0.007	0.046	0.248

TABLE VIII. The correlation matrix for the point-to-point uncertainties coupling the inclusive jet measurement for jets in the $|\eta| < 0.5$ region (rows) with dijet measurements with $\text{sign}(\eta_1) \neq \text{sign}(\eta_2)$ topology (columns). The A_{LL} uncertainty contribution of 0.0007 from uncertainty in the relative luminosity measurement and 6.1% from the beam polarization uncertainty, which are common to all the data points, are separated from the listed values.

p_T [GeV/c]	M_{inv} [GeV/ c^2]	20.29	23.50	28.28	34.15	40.96	50.75	69.11
6.06		0.019	0.019	0.019	0.012	0.011	0.014	0.009
7.32		0.029	0.024	0.017	0.011	0.009	0.012	0.008
9.48		0.078	0.073	0.042	0.020	0.016	0.020	0.014
11.33		0.093	0.119	0.086	0.032	0.018	0.022	0.014
13.32		0.050	0.125	0.142	0.079	0.026	0.022	0.014
15.64		0.018	0.077	0.139	0.153	0.069	0.023	0.012
18.30		0.017	0.036	0.087	0.154	0.164	0.060	0.012
21.38		0.014	0.019	0.042	0.083	0.176	0.173	0.012
24.97		0.012	0.015	0.021	0.033	0.085	0.253	0.039
28.98		0.008	0.010	0.011	0.012	0.027	0.178	0.174
33.55		0.004	0.005	0.006	0.005	0.008	0.061	0.272

TABLE IX. The correlation matrix for the point-to-point uncertainties coupling the inclusive jet measurement for jets in the $|\eta| < 1$ region (rows) with dijet measurements with $\text{sign}(\eta_1) = \text{sign}(\eta_2)$ topology (columns). The A_{LL} uncertainty contribution of 0.0007 from uncertainty in the relative luminosity measurement and 6.1% from the beam polarization uncertainty, which are common to all the data points, are separated from the listed values.

p_T [GeV/c]	M_{inv} [GeV/ c^2]	20.48	23.65	28.50	34.38	41.38	51.25	69.96
6.06		0.023	0.020	0.019	0.013	0.010	0.014	0.007
7.32		0.031	0.028	0.019	0.011	0.009	0.012	0.006
9.48		0.084	0.083	0.051	0.023	0.016	0.020	0.010
11.33		0.073	0.120	0.099	0.044	0.019	0.022	0.011
13.32		0.033	0.107	0.141	0.100	0.037	0.023	0.011
15.64		0.017	0.056	0.123	0.155	0.098	0.033	0.009
18.30		0.017	0.028	0.073	0.130	0.173	0.095	0.010
21.38		0.014	0.018	0.034	0.066	0.147	0.210	0.017
24.97		0.012	0.015	0.019	0.027	0.064	0.245	0.081
28.98		0.008	0.010	0.011	0.011	0.021	0.143	0.231
33.55		0.004	0.005	0.006	0.004	0.007	0.047	0.270

TABLE X. The correlation matrix for the point-to-point uncertainties coupling the inclusive jet measurement for jets in the $|\eta| < 1$ region (rows) with dijet measurements with $\text{sign}(\eta_1) \neq \text{sign}(\eta_2)$ topology (columns). The A_{LL} uncertainty contribution of 0.0007 from uncertainty in the relative luminosity measurement and 6.1% from the beam polarization uncertainty, which are common to all the data points, are separated from the listed values.

M_{inv} [GeV/ c^2]	20.29	23.50	28.28	34.15	40.96	50.75	69.11
20.29	1	0.044	0.033	0.020	0.013	0.012	0.006
23.50		1	0.038	0.023	0.016	0.015	0.008
28.28			1	0.019	0.013	0.014	0.008
34.15				1	0.009	0.009	0.005
40.96					1	0.007	0.004
50.75						1	0.006
69.11							1

TABLE XI. The correlation matrix for the point-to-point uncertainties for dijet measurements with $\text{sign}(\eta_1) = \text{sign}(\eta_2)$ topology. The A_{LL} uncertainty contribution of 0.0007 from uncertainty in the relative luminosity measurement and 6.1% from the beam polarization uncertainty, which are common to all the data points, are separated from the listed values.

M_{inv} [GeV/ c^2]	20.48	23.65	28.50	34.38	41.38	51.25	69.96
20.48	1	0.011	0.012	0.008	0.006	0.008	0.004
23.65		1	0.016	0.010	0.008	0.010	0.005
28.50			1	0.011	0.009	0.011	0.006
34.38				1	0.006	0.008	0.004
41.38					1	0.006	0.003
51.25						1	0.004
69.96							1

TABLE XII. The correlation matrix for the point-to-point uncertainties for dijet measurements with $\text{sign}(\eta_1) \neq \text{sign}(\eta_2)$ topology. The A_{LL} uncertainty contribution of 0.0007 from uncertainty in the relative luminosity measurement and 6.1% from the beam polarization uncertainty, which are common to all the data points, are separated from the listed values.

M_{inv} [GeV/ c^2]	20.29	23.50	28.28	34.15	40.96	50.75	69.11
20.48	0.008	0.010	0.010	0.007	0.006	0.008	0.005
23.65	0.010	0.013	0.013	0.009	0.008	0.010	0.007
28.50	0.011	0.014	0.015	0.010	0.008	0.011	0.007
34.38	0.007	0.009	0.010	0.007	0.006	0.007	0.005
41.38	0.006	0.008	0.008	0.006	0.005	0.006	0.004
51.25	0.008	0.010	0.011	0.007	0.006	0.008	0.006
69.96	0.004	0.005	0.005	0.004	0.003	0.004	0.003

TABLE XIII. The correlation matrix for the point-to-point uncertainties coupling dijet measurements with $\text{sign}(\eta_1) \neq \text{sign}(\eta_2)$ (rows) and $\text{sign}(\eta_1) = \text{sign}(\eta_2)$ (columns) topologies. The A_{LL} uncertainty contribution of 0.0007 from uncertainty in the relative luminosity measurement and 6.1% from the beam polarization uncertainty, which are common to all the data points, are separated from the listed values.