

Table S1 Raw data for the VUV-MATI spectrum of 34DHP, where the intensity was normalized to that of the 0-0 band.

VUV photon energy	Intensity	VUV photon energy	Intensity	VUV photon energy	Intensity
66727.9	0.0003	66764.39	0.0000	66800.79	0.0002
66728.83	0.0004	66765.32	-0.0003	66801.72	0.0000
66729.77	0.0001	66766.26	-0.0003	66802.65	0.0003
66730.71	0.0004	66767.19	-0.0005	66803.58	0.0001
66731.64	0.0004	66768.13	-0.0004	66804.51	0.0004
66732.58	0.0003	66769.06	-0.0002	66805.44	0.0004
66733.52	0.0003	66770	-0.0003	66806.38	0.0002
66734.45	0.0001	66770.93	-0.0002	66807.31	0.0002
66735.39	0.0004	66771.86	-0.0005	66808.24	0.0002
66736.33	0.0000	66772.8	-0.0001	66809.17	0.0004
66737.26	0.0001	66773.73	-0.0002	66810.1	0.0002
66738.2	0.0001	66774.67	-0.0004	66811.03	0.0003
66739.14	0.0000	66775.6	-0.0001	66811.96	0.0000
66740.07	-0.0004	66776.53	-0.0002	66812.9	0.0001
66741.01	-0.0001	66777.47	-0.0003	66813.83	0.0001
66741.94	-0.0001	66778.4	0.0002	66814.76	0.0000
66742.88	-0.0001	66779.33	0.0002	66815.69	0.0001
66743.82	-0.0002	66780.27	-0.0001	66816.62	0.0002
66744.75	-0.0002	66781.2	0.0001	66817.55	0.0003
66745.69	-0.0002	66782.13	0.0000	66818.48	-0.0001
66746.62	0.0000	66783.07	-0.0002	66819.41	0.0000
66747.56	-0.0001	66784	-0.0001	66820.34	0.0000
66748.49	-0.0003	66784.93	-0.0002	66821.27	-0.0002
66749.43	-0.0001	66785.87	-0.0003	66822.2	-0.0001
66750.37	-0.0003	66786.8	0.0003	66823.13	-0.0001
66751.3	-0.0004	66787.73	0.0001	66824.07	-0.0002
66752.24	-0.0003	66788.66	0.0003	66825	-0.0003
66753.17	-0.0002	66789.6	0.0000	66825.93	0.0000
66754.11	-0.0003	66790.53	0.0002	66826.86	-0.0001
66755.04	-0.0004	66791.46	0.0000	66827.79	-0.0002
66755.98	-0.0002	66792.4	0.0002	66828.72	-0.0004
66756.91	0.0000	66793.33	0.0002	66829.65	0.0000
66757.85	-0.0003	66794.26	0.0000	66830.58	-0.0002
66758.78	0.0001	66795.19	-0.0001	66831.51	-0.0004
66759.72	0.0001	66796.13	0.0000	66832.44	-0.0003
66760.65	-0.0001	66797.06	-0.0001	66833.37	-0.0001
66761.59	-0.0003	66797.99	0.0000	66834.3	-0.0002
66762.52	-0.0002	66798.92	-0.0001	66835.23	0.0000
66763.46	-0.0001	66799.85	0.0003	66836.16	-0.0004

Table S1. Continued

VUV photon energy	Intensity	VUV photon energy	Intensity	VUV photon energy	Intensity
66837.08	-0.0006	66873.29	0.0003	66909.39	-0.0002
66838.01	-0.0006	66874.21	0.0000	66910.32	-0.0003
66838.94	-0.0005	66875.14	0.0004	66911.24	-0.0004
66839.87	-0.0006	66876.07	0.0001	66912.17	-0.0006
66840.8	-0.0002	66876.99	0.0005	66913.09	-0.0005
66841.73	-0.0003	66877.92	0.0001	66914.02	-0.0001
66842.66	-0.0001	66878.85	0.0001	66914.94	0.0000
66843.59	-0.0004	66879.77	0.0001	66915.86	0.0000
66844.52	-0.0004	66880.7	0.0002	66916.79	-0.0001
66845.45	-0.0002	66881.63	0.0004	66917.71	0.0001
66846.38	-0.0001	66882.55	0.0005	66918.64	-0.0004
66847.31	-0.0001	66883.48	0.0000	66919.56	0.0000
66848.23	0.0001	66884.41	-0.0001	66920.48	-0.0002
66849.16	-0.0002	66885.33	0.0002	66921.41	-0.0004
66850.09	-0.0001	66886.26	0.0003	66922.33	-0.0002
66851.02	-0.0001	66887.19	0.0005	66923.26	-0.0003
66851.95	-0.0002	66888.11	0.0002	66924.18	-0.0001
66852.88	-0.0005	66889.04	0.0001	66925.1	-0.0003
66853.81	-0.0003	66889.96	0.0005	66926.03	-0.0007
66854.73	-0.0001	66890.89	0.0005	66926.95	-0.0003
66855.66	-0.0001	66891.82	0.0003	66927.87	-0.0002
66856.59	-0.0001	66892.74	0.0002	66928.8	-0.0001
66857.52	-0.0002	66893.67	0.0004	66929.72	-0.0005
66858.45	-0.0003	66894.59	0.0002	66930.64	-0.0006
66859.37	0.0001	66895.52	0.0003	66931.57	0.0001
66860.3	0.0000	66896.44	0.0003	66932.49	-0.0004
66861.23	0.0001	66897.37	0.0003	66933.41	0.0000
66862.16	0.0003	66898.29	0.0003	66934.33	-0.0002
66863.09	0.0003	66899.22	0.0001	66935.26	-0.0001
66864.01	0.0000	66900.14	0.0004	66936.18	0.0000
66864.94	0.0001	66901.07	0.0002	66937.1	0.0002
66865.87	-0.0003	66901.99	0.0003	66938.03	0.0001
66866.8	-0.0001	66902.92	-0.0001	66938.95	0.0003
66867.72	0.0003	66903.84	-0.0001	66939.87	0.0002
66868.65	0.0003	66904.77	-0.0001	66940.79	0.0004
66869.58	0.0002	66905.69	0.0005	66941.72	0.0004
66870.51	0.0000	66906.62	-0.0001	66942.64	0.0003
66871.43	0.0001	66907.54	0.0000	66943.56	0.0004
66872.36	0.0002	66908.47	0.0001	66944.48	0.0006

Table S1. Continued

VUV photon energy	Intensity	VUV photon energy	Intensity	VUV photon energy	Intensity
66945.4	0.0005	66981.32	-0.0001	67017.14	0.0003
66946.33	0.0007	66982.24	-0.0001	67018.06	0.0006
66947.25	0.0002	66983.16	0.0000	67018.97	0.0003
66948.17	0.0010	66984.08	0.0001	67019.89	0.0004
66949.09	0.0007	66985	-0.0001	67020.81	0.0005
66950.01	0.0007	66985.92	0.0001	67021.73	0.0007
66950.94	0.0007	66986.84	0.0000	67022.64	0.0009
66951.86	0.0009	66987.76	-0.0002	67023.56	0.0007
66952.78	0.0008	66988.68	-0.0004	67024.48	0.0006
66953.7	0.0006	66989.59	-0.0001	67025.39	0.0010
66954.62	0.0011	66990.51	0.0001	67026.31	0.0007
66955.54	0.0006	66991.43	0.0000	67027.23	0.0009
66956.47	0.0007	66992.35	0.0000	67028.14	0.0006
66957.39	0.0006	66993.27	-0.0001	67029.06	0.0007
66958.31	0.0004	66994.19	-0.0004	67029.98	0.0006
66959.23	0.0006	66995.11	-0.0004	67030.89	0.0011
66960.15	0.0002	66996.03	-0.0001	67031.81	0.0007
66961.07	0.0001	66996.95	-0.0001	67032.72	0.0012
66961.99	0.0000	66997.86	0.0002	67033.64	0.0013
66962.91	-0.0002	66998.78	0.0001	67034.56	0.0009
66963.83	0.0000	66999.7	0.0002	67035.47	0.0011
66964.76	-0.0002	67000.62	-0.0001	67036.39	0.0013
66965.68	-0.0004	67001.54	-0.0001	67037.3	0.0010
66966.6	-0.0001	67002.46	0.0003	67038.22	0.0012
66967.52	-0.0003	67003.37	-0.0001	67039.14	0.0007
66968.44	-0.0001	67004.29	0.0001	67040.05	0.0012
66969.36	-0.0001	67005.21	0.0002	67040.97	0.0012
66970.28	0.0002	67006.13	0.0002	67041.88	0.0011
66971.2	-0.0001	67007.05	0.0002	67042.8	0.0013
66972.12	-0.0001	67007.96	0.0003	67043.71	0.0009
66973.04	0.0000	67008.88	0.0002	67044.63	0.0014
66973.96	0.0000	67009.8	0.0001	67045.55	0.0012
66974.88	0.0001	67010.72	0.0003	67046.46	0.0008
66975.8	-0.0001	67011.64	0.0004	67047.38	0.0013
66976.72	-0.0003	67012.55	0.0003	67048.29	0.0015
66977.64	0.0002	67013.47	0.0005	67049.21	0.0020
66978.56	-0.0002	67014.39	0.0002	67050.12	0.0013
66979.48	0.0002	67015.31	0.0003	67051.04	0.0020
66980.4	-0.0002	67016.22	0.0003	67051.95	0.0015

Table S1. Continued

VUV photon energy	Intensity	VUV photon energy	Intensity	VUV photon energy	Intensity
67052.87	0.0015	67088.5	0.0001	67124.04	0.0002
67053.78	0.0014	67089.41	0.0001	67124.95	0.0002
67054.7	0.0009	67090.32	0.0001	67125.86	0.0004
67055.61	0.0012	67091.24	0.0002	67126.77	0.0001
67056.53	0.0004	67092.15	0.0000	67127.68	0.0002
67057.44	0.0010	67093.06	0.0001	67128.59	-0.0001
67058.35	0.0004	67093.97	0.0000	67129.5	-0.0001
67059.27	0.0005	67094.88	0.0001	67130.4	-0.0001
67060.18	0.0002	67095.8	-0.0001	67131.31	-0.0003
67061.1	0.0001	67096.71	0.0002	67132.22	-0.0003
67062.01	0.0001	67097.62	0.0002	67133.13	-0.0002
67062.93	0.0001	67098.53	0.0004	67134.04	0.0000
67063.84	0.0005	67099.44	-0.0002	67134.95	0.0000
67064.75	0.0003	67100.35	0.0002	67135.86	0.0001
67065.67	0.0000	67101.27	0.0001	67136.77	0.0004
67066.58	0.0006	67102.18	0.0000	67137.68	0.0001
67067.5	-0.0002	67103.09	0.0000	67138.59	0.0003
67068.41	0.0001	67104	0.0004	67139.5	0.0001
67069.32	-0.0001	67104.91	0.0003	67140.41	0.0001
67070.24	-0.0003	67105.82	0.0001	67141.32	-0.0001
67071.15	0.0001	67106.73	0.0002	67142.22	-0.0002
67072.06	-0.0001	67107.65	0.0003	67143.13	0.0001
67072.98	-0.0001	67108.56	0.0004	67144.04	-0.0004
67073.89	-0.0002	67109.47	0.0003	67144.95	-0.0002
67074.8	-0.0001	67110.38	0.0001	67145.86	-0.0002
67075.72	-0.0001	67111.29	0.0003	67146.77	0.0000
67076.63	-0.0002	67112.2	0.0005	67147.68	0.0002
67077.54	-0.0002	67113.11	0.0007	67148.58	0.0003
67078.46	-0.0002	67114.02	0.0005	67149.49	0.0003
67079.37	-0.0002	67114.93	0.0008	67150.4	0.0002
67080.28	0.0000	67115.84	0.0005	67151.31	0.0003
67081.2	0.0001	67116.75	0.0007	67152.22	0.0001
67082.11	0.0001	67117.66	0.0007	67153.13	0.0003
67083.02	0.0001	67118.57	0.0006	67154.03	0.0003
67083.94	0.0000	67119.49	0.0007	67154.94	0.0000
67084.85	-0.0001	67120.4	0.0005	67155.85	-0.0001
67085.76	0.0001	67121.31	0.0005	67156.76	0.0004
67086.67	0.0002	67122.22	0.0000	67157.67	0.0003
67087.59	0.0002	67123.13	-0.0001	67158.57	0.0002

Table S1. Continued

VUV photon energy	Intensity	VUV photon energy	Intensity	VUV photon energy	Intensity
67159.48	0.0004	67194.83	0.0055	67230.09	0.9029
67160.39	0.0005	67195.74	0.0055	67230.99	0.8119
67161.3	0.0008	67196.64	0.0058	67231.9	0.6618
67162.2	0.0005	67197.55	0.0065	67232.8	0.5129
67163.11	0.0006	67198.45	0.0062	67233.7	0.3854
67164.02	0.0006	67199.36	0.0062	67234.61	0.2892
67164.93	0.0004	67200.26	0.0075	67235.51	0.1998
67165.83	0.0009	67201.17	0.0076	67236.41	0.1430
67166.74	0.0010	67202.07	0.0064	67237.31	0.1039
67167.65	0.0007	67202.98	0.0070	67238.21	0.0705
67168.55	0.0009	67203.88	0.0068	67239.12	0.0518
67169.46	0.0013	67204.79	0.0068	67240.02	0.0398
67170.37	0.0009	67205.69	0.0082	67240.92	0.0292
67171.28	0.0012	67206.6	0.0101	67241.82	0.0190
67172.18	0.0016	67207.5	0.0116	67242.73	0.0154
67173.09	0.0014	67208.4	0.0133	67243.63	0.0125
67174	0.0013	67209.31	0.0156	67244.53	0.0074
67174.9	0.0015	67210.21	0.0194	67245.43	0.0047
67175.81	0.0016	67211.12	0.0210	67246.33	0.0034
67176.72	0.0017	67212.02	0.0284	67247.24	0.0022
67177.62	0.0014	67212.93	0.0339	67248.14	0.0025
67178.53	0.0019	67213.83	0.0427	67249.04	0.0022
67179.43	0.0016	67214.73	0.0522	67249.94	0.0018
67180.34	0.0016	67215.64	0.0668	67250.84	0.0005
67181.25	0.0019	67216.54	0.0829	67251.74	0.0001
67182.15	0.0019	67217.44	0.1054	67252.64	0.0006
67183.06	0.0016	67218.35	0.1287	67253.55	0.0021
67183.96	0.0015	67219.25	0.1610	67254.45	0.0010
67184.87	0.0018	67220.16	0.2085	67255.35	0.0003
67185.78	0.0019	67221.06	0.2552	67256.25	-0.0002
67186.68	0.0021	67221.96	0.3440	67257.15	0.0000
67187.59	0.0019	67222.87	0.4236	67258.05	0.0005
67188.49	0.0027	67223.77	0.5382	67258.95	0.0014
67189.4	0.0032	67224.67	0.6382	67259.85	0.0010
67190.31	0.0030	67225.58	0.7666	67260.75	0.0012
67191.21	0.0035	67226.48	0.8450	67261.66	0.0000
67192.12	0.0038	67227.38	0.9173	67262.56	0.0007
67193.02	0.0044	67228.29	1.0000	67263.46	0.0009
67193.93	0.0054	67229.19	0.9858	67264.36	0.0009

Table S1. Continued

VUV photon energy	Intensity	VUV photon energy	Intensity	VUV photon energy	Intensity
67265.26	0.0014	67300.33	-0.0004	67335.32	0.0013
67266.16	0.0013	67301.23	0.0009	67336.21	0.0014
67267.06	0.0010	67302.13	0.0003	67337.11	0.0012
67267.96	0.0012	67303.03	-0.0001	67338	0.0016
67268.86	0.0003	67303.92	0.0005	67338.9	0.0017
67269.76	0.0002	67304.82	0.0004	67339.79	0.0016
67270.66	0.0004	67305.72	0.0002	67340.69	0.0015
67271.56	0.0004	67306.62	0.0000	67341.59	0.0020
67272.46	0.0015	67307.52	-0.0003	67342.48	0.0009
67273.36	0.0011	67308.41	0.0004	67343.38	0.0014
67274.26	0.0009	67309.31	0.0002	67344.27	0.0011
67275.16	-0.0001	67310.21	-0.0004	67345.17	0.0016
67276.06	0.0003	67311.11	-0.0014	67346.06	0.0018
67276.96	0.0006	67312	0.0008	67346.96	0.0019
67277.86	0.0003	67312.9	0.0000	67347.85	0.0024
67278.76	0.0004	67313.8	0.0000	67348.75	0.0016
67279.66	0.0014	67314.7	0.0001	67349.64	0.0026
67280.56	-0.0001	67315.59	-0.0009	67350.54	0.0025
67281.46	-0.0006	67316.49	0.0004	67351.43	0.0025
67282.36	0.0001	67317.39	-0.0002	67352.33	0.0025
67283.26	0.0004	67318.28	0.0005	67353.22	0.0024
67284.16	0.0010	67319.18	-0.0001	67354.12	0.0028
67285.06	0.0013	67320.08	-0.0001	67355.01	0.0022
67285.95	0.0001	67320.97	0.0004	67355.9	0.0027
67286.85	-0.0001	67321.87	0.0001	67356.8	0.0020
67287.75	0.0000	67322.77	0.0005	67357.69	0.0032
67288.65	-0.0004	67323.66	-0.0001	67358.59	0.0030
67289.55	0.0004	67324.56	-0.0003	67359.48	0.0025
67290.45	0.0011	67325.46	-0.0002	67360.38	0.0033
67291.35	0.0013	67326.35	-0.0001	67361.27	0.0035
67292.25	0.0014	67327.25	0.0009	67362.16	0.0028
67293.15	0.0002	67328.15	0.0006	67363.06	0.0033
67294.04	0.0008	67329.04	0.0011	67363.95	0.0027
67294.94	0.0013	67329.94	0.0006	67364.85	0.0036
67295.84	0.0010	67330.84	-0.0003	67365.74	0.0037
67296.74	0.0000	67331.73	0.0005	67366.63	0.0029
67297.64	0.0006	67332.63	0.0003	67367.53	0.0035
67298.54	-0.0003	67333.52	0.0002	67368.42	0.0040
67299.43	-0.0001	67334.42	0.0007	67369.31	0.0041

Table S1. Continued

VUV photon energy	Intensity	VUV photon energy	Intensity	VUV photon energy	Intensity
67370.21	0.0054	67405.01	0.0099	67439.72	-0.0007
67371.1	0.0056	67405.9	0.0081	67440.61	-0.0002
67371.99	0.0068	67406.79	0.0065	67441.5	0.0005
67372.89	0.0083	67407.68	0.0047	67442.39	0.0000
67373.78	0.0089	67408.57	0.0043	67443.27	0.0002
67374.67	0.0100	67409.46	0.0030	67444.16	-0.0004
67375.57	0.0121	67410.35	0.0029	67445.05	0.0003
67376.46	0.0134	67411.25	0.0019	67445.94	-0.0003
67377.35	0.0174	67412.14	0.0023	67446.83	0.0002
67378.25	0.0190	67413.03	0.0023	67447.72	0.0000
67379.14	0.0224	67413.92	0.0013	67448.6	-0.0003
67380.03	0.0268	67414.81	0.0019	67449.49	0.0003
67380.93	0.0304	67415.7	0.0016	67450.38	-0.0004
67381.82	0.0373	67416.59	0.0020	67451.27	-0.0003
67382.71	0.0453	67417.48	0.0019	67452.16	0.0002
67383.6	0.0583	67418.37	0.0012	67453.05	0.0005
67384.5	0.0753	67419.26	0.0012	67453.93	0.0006
67385.39	0.0968	67420.15	0.0010	67454.82	0.0003
67386.28	0.1254	67421.04	0.0008	67455.71	0.0001
67387.17	0.1658	67421.93	0.0011	67456.6	0.0007
67388.07	0.1951	67422.82	0.0008	67457.48	0.0002
67388.96	0.2370	67423.71	0.0011	67458.37	0.0002
67389.85	0.2765	67424.6	0.0015	67459.26	0.0005
67390.74	0.3095	67425.49	0.0013	67460.15	-0.0005
67391.63	0.3184	67426.38	0.0015	67461.03	0.0002
67392.53	0.3346	67427.27	0.0015	67461.92	0.0001
67393.42	0.3263	67428.16	0.0014	67462.81	0.0010
67394.31	0.2998	67429.05	0.0015	67463.7	0.0009
67395.2	0.2497	67429.94	0.0012	67464.58	0.0005
67396.09	0.1895	67430.83	0.0005	67465.47	0.0007
67396.99	0.1475	67431.72	0.0001	67466.36	0.0014
67397.88	0.1073	67432.61	0.0011	67467.25	0.0019
67398.77	0.0816	67433.5	0.0007	67468.13	0.0011
67399.66	0.0620	67434.38	0.0007	67469.02	0.0015
67400.55	0.0446	67435.27	0.0008	67469.91	0.0021
67401.44	0.0327	67436.16	0.0014	67470.79	0.0024
67402.33	0.0228	67437.05	0.0008	67471.68	0.0027
67403.23	0.0175	67437.94	0.0003	67472.57	0.0035
67404.12	0.0131	67438.83	0.0004	67473.45	0.0030

Table S1. Continued

VUV photon energy	Intensity	VUV photon energy	Intensity	VUV photon energy	Intensity
67474.34	0.0038	67508.87	0.0020	67543.31	0.0035
67475.23	0.0047	67509.75	0.0012	67544.19	0.0035
67476.11	0.0067	67510.64	0.0011	67545.07	0.0054
67477	0.0066	67511.52	0.0010	67545.96	0.0050
67477.89	0.0073	67512.41	0.0016	67546.84	0.0054
67478.77	0.0100	67513.29	0.0009	67547.72	0.0069
67479.66	0.0132	67514.17	0.0015	67548.6	0.0098
67480.54	0.0147	67515.06	0.0015	67549.48	0.0126
67481.43	0.0178	67515.94	0.0006	67550.36	0.0144
67482.32	0.0187	67516.83	0.0005	67551.25	0.0141
67483.2	0.0219	67517.71	0.0009	67552.13	0.0212
67484.09	0.0190	67518.59	0.0007	67553.01	0.0276
67484.97	0.0199	67519.48	0.0009	67553.89	0.0301
67485.86	0.0194	67520.36	0.0009	67554.77	0.0327
67486.75	0.0158	67521.24	0.0006	67555.65	0.0267
67487.63	0.0120	67522.13	0.0007	67556.53	0.0349
67488.52	0.0091	67523.01	0.0012	67557.41	0.0372
67489.4	0.0066	67523.89	0.0016	67558.3	0.0342
67490.29	0.0043	67524.78	0.0011	67559.18	0.0311
67491.17	0.0020	67525.66	0.0012	67560.06	0.0244
67492.06	0.0036	67526.54	0.0019	67560.94	0.0189
67492.94	0.0026	67527.43	0.0013	67561.82	0.0129
67493.83	0.0019	67528.31	0.0018	67562.7	0.0110
67494.71	0.0011	67529.19	0.0012	67563.58	0.0068
67495.6	0.0010	67530.07	0.0009	67564.46	0.0046
67496.48	0.0018	67530.96	0.0014	67565.34	0.0046
67497.37	0.0005	67531.84	0.0016	67566.22	0.0032
67498.25	0.0006	67532.72	0.0021	67567.1	0.0023
67499.14	0.0003	67533.61	0.0014	67567.98	0.0023
67500.02	0.0000	67534.49	0.0014	67568.86	0.0013
67500.91	0.0008	67535.37	0.0016	67569.74	0.0012
67501.79	0.0005	67536.25	0.0014	67570.62	0.0012
67502.68	0.0003	67537.14	-0.0003	67571.5	0.0015
67503.56	0.0012	67538.02	0.0019	67572.38	0.0006
67504.45	0.0012	67538.9	0.0025	67573.26	0.0013
67505.33	0.0008	67539.78	0.0023	67574.14	0.0015
67506.22	0.0011	67540.66	0.0016	67575.02	0.0007
67507.1	0.0012	67541.55	0.0016	67575.9	0.0005
67507.99	0.0021	67542.43	0.0023	67576.78	-0.0001

Table S1. Continued

VUV photon energy	Intensity	VUV photon energy	Intensity	VUV photon energy	Intensity
67577.66	0.0008	67611.93	0.0022	67646.1	0.0120
67578.54	0.0013	67612.8	0.0019	67646.98	0.0137
67579.42	0.0018	67613.68	0.0031	67647.85	0.0106
67580.3	0.0008	67614.56	0.0031	67648.73	0.0072
67581.18	0.0005	67615.43	0.0034	67649.6	0.0019
67582.06	0.0006	67616.31	0.0034	67650.48	0.0044
67582.94	0.0003	67617.19	0.0039	67651.35	0.0042
67583.82	0.0015	67618.07	0.0045	67652.22	0.0032
67584.7	0.0013	67618.94	0.0032	67653.1	0.0020
67585.58	0.0009	67619.82	0.0036	67653.97	0.0027
67586.46	0.0008	67620.7	0.0079	67654.85	0.0011
67587.34	0.0009	67621.57	0.0096	67655.72	0.0004
67588.21	0.0001	67622.45	0.0114	67656.6	0.0009
67589.09	0.0011	67623.33	0.0145	67657.47	0.0015
67589.97	0.0017	67624.2	0.0142	67658.35	0.0015
67590.85	0.0017	67625.08	0.0150	67659.22	0.0010
67591.73	0.0015	67625.96	0.0242	67660.1	0.0006
67592.61	0.0018	67626.83	0.0292	67660.97	0.0000
67593.49	0.0014	67627.71	0.0243	67661.84	0.0009
67594.37	0.0016	67628.59	0.0490	67662.72	0.0011
67595.24	0.0013	67629.46	0.0522	67663.59	0.0013
67596.12	0.0017	67630.34	0.0876	67664.47	0.0013
67597	0.0013	67631.21	0.1145	67665.34	0.0003
67597.88	0.0017	67632.09	0.1265	67666.21	0.0011
67598.76	0.0010	67632.97	0.1367	67667.09	0.0004
67599.64	0.0002	67633.84	0.1156	67667.96	0.0003
67600.51	0.0017	67634.72	0.1748	67668.83	0.0009
67601.39	0.0021	67635.59	0.1343	67669.71	0.0001
67602.27	0.0031	67636.47	0.1641	67670.58	0.0015
67603.15	0.0030	67637.35	0.1621	67671.46	0.0017
67604.03	0.0019	67638.22	0.1130	67672.33	0.0014
67604.9	0.0005	67639.1	0.1121	67673.2	0.0014
67605.78	0.0016	67639.97	0.0905	67674.08	0.0004
67606.66	0.0021	67640.85	0.0664	67674.95	0.0011
67607.54	0.0024	67641.72	0.0382	67675.82	0.0018
67608.42	0.0019	67642.6	0.0271	67676.69	0.0021
67609.29	0.0008	67643.47	0.0202	67677.57	0.0012
67610.17	0.0010	67644.35	0.0246	67678.44	0.0014
67611.05	0.0012	67645.23	0.0186	67679.31	0.0012

Table S1. Continued

VUV photon energy	Intensity	VUV photon energy	Intensity	VUV photon energy	Intensity
67680.19	0.0007	67711.17	0.0486	67741.82	0.0024
67681.06	0.0008	67711.96	0.0334	67742.6	0.0022
67681.93	0.0008	67712.75	0.0234	67743.39	0.0013
67682.81	0.0003	67713.53	0.0168	67744.17	0.0015
67683.68	-0.0001	67714.32	0.0119	67744.96	0.0012
67684.39	0.0019	67715.11	0.0096	67745.74	0.0010
67685.18	0.0024	67715.89	0.0075	67746.53	0.0003
67685.97	0.0033	67716.68	0.0052	67747.31	0.0011
67686.76	0.0032	67717.47	0.0053	67748.1	0.0008
67687.55	0.0030	67718.25	0.0053	67748.88	0.0006
67688.34	0.0030	67719.04	0.0047	67749.66	0.0000
67689.12	0.0039	67719.82	0.0061	67750.45	0.0003
67689.91	0.0032	67720.61	0.0065	67751.23	0.0004
67690.7	0.0039	67721.4	0.0081	67752.02	0.0005
67691.49	0.0048	67722.18	0.0081	67752.8	0.0007
67692.28	0.0055	67722.97	0.0101	67753.58	0.0003
67693.06	0.0064	67723.75	0.0127	67754.37	0.0001
67693.85	0.0076	67724.54	0.0158	67755.15	0.0005
67694.64	0.0085	67725.33	0.0185	67755.94	0.0010
67695.43	0.0113	67726.11	0.0240	67756.72	0.0000
67696.22	0.0138	67726.9	0.0321	67757.5	-0.0002
67697	0.0192	67727.68	0.0380	67758.29	0.0007
67697.79	0.0250	67728.47	0.0439	67759.07	0.0008
67698.58	0.0332	67729.25	0.0490	67759.86	0.0008
67699.37	0.0461	67730.04	0.0527	67760.64	0.0003
67700.15	0.0603	67730.83	0.0535	67761.42	0.0006
67700.94	0.0856	67731.61	0.0492	67762.21	0.0005
67701.73	0.1098	67732.4	0.0460	67762.99	0.0002
67702.52	0.1404	67733.18	0.0388	67763.77	0.0011
67703.3	0.1629	67733.97	0.0298	67764.56	0.0004
67704.09	0.1872	67734.75	0.0240	67765.34	0.0011
67704.88	0.2006	67735.54	0.0185	67766.12	0.0009
67705.66	0.2060	67736.32	0.0141	67766.91	0.0014
67706.45	0.2009	67737.11	0.0110	67767.69	0.0014
67707.24	0.1915	67737.89	0.0074	67768.47	0.0018
67708.03	0.1734	67738.68	0.0055	67769.26	0.0016
67708.81	0.1364	67739.46	0.0046	67770.04	0.0014
67709.6	0.1014	67740.25	0.0038	67770.82	0.0014
67710.39	0.0708	67741.03	0.0023	67771.6	0.0013

Table S1. Continued

VUV photon energy	Intensity	VUV photon energy	Intensity	VUV photon energy	Intensity
67772.39	0.0003	67802.88	0.0783	67833.3	0.0003
67773.17	0.0015	67803.66	0.0640	67834.08	0.0002
67773.95	0.0010	67804.44	0.0437	67834.86	0.0007
67774.74	0.0016	67805.22	0.0298	67835.63	0.0000
67775.52	0.0018	67806	0.0226	67836.41	0.0002
67776.3	0.0010	67806.78	0.0147	67837.19	-0.0004
67777.08	0.0016	67807.57	0.0105	67837.97	0.0001
67777.87	0.0021	67808.35	0.0077	67838.75	0.0005
67778.65	0.0017	67809.13	0.0035	67839.53	0.0006
67779.43	0.0019	67809.91	0.0037	67840.31	0.0011
67780.21	0.0021	67810.69	0.0028	67841.09	0.0010
67781	0.0034	67811.47	0.0020	67841.86	0.0008
67781.78	0.0028	67812.25	0.0013	67842.64	0.0012
67782.56	0.0032	67813.03	0.0008	67843.42	0.0003
67783.34	0.0030	67813.81	0.0007	67844.2	0.0009
67784.12	0.0039	67814.59	0.0006	67844.98	0.0011
67784.91	0.0035	67815.37	-0.0006	67845.76	0.0010
67785.69	0.0033	67816.15	0.0002	67846.53	0.0014
67786.47	0.0049	67816.93	0.0003	67847.31	0.0015
67787.25	0.0056	67817.71	0.0001	67848.09	0.0018
67788.03	0.0072	67818.49	0.0003	67848.87	0.0023
67788.82	0.0075	67819.27	-0.0002	67849.65	0.0020
67789.6	0.0089	67820.05	-0.0001	67850.42	0.0024
67790.38	0.0112	67820.83	-0.0005	67851.2	0.0019
67791.16	0.0132	67821.61	0.0001	67851.98	0.0025
67791.94	0.0181	67822.39	-0.0004	67852.76	0.0029
67792.72	0.0204	67823.17	-0.0008	67853.53	0.0037
67793.51	0.0289	67823.95	0.0001	67854.31	0.0037
67794.29	0.0391	67824.73	0.0000	67855.09	0.0045
67795.07	0.0518	67825.51	-0.0001	67855.87	0.0056
67795.85	0.0677	67826.29	0.0007	67856.64	0.0059
67796.63	0.0868	67827.06	0.0005	67857.42	0.0065
67797.41	0.1029	67827.84	-0.0005	67858.2	0.0098
67798.19	0.1180	67828.62	0.0004	67858.98	0.0133
67798.98	0.1314	67829.4	0.0001	67859.75	0.0168
67799.76	0.1377	67830.18	0.0000	67860.53	0.0255
67800.54	0.1308	67830.96	0.0001	67861.31	0.0339
67801.32	0.1206	67831.74	0.0004	67862.09	0.0422
67802.1	0.1006	67832.52	0.0006	67862.86	0.0532

Table S1. Continued

VUV photon energy	Intensity	VUV photon energy	Intensity	VUV photon energy	Intensity
67863.64	0.0672	67893.91	0.0419	67924.1	0.0006
67864.42	0.0813	67894.68	0.0421	67924.87	0.0008
67865.19	0.0855	67895.46	0.0370	67925.65	0.0010
67865.97	0.0903	67896.23	0.0337	67926.42	0.0002
67866.75	0.0871	67897.01	0.0288	67927.19	-0.0003
67867.52	0.0847	67897.78	0.0216	67927.96	0.0004
67868.3	0.0760	67898.56	0.0194	67928.74	-0.0003
67869.08	0.0581	67899.33	0.0146	67929.51	0.0003
67869.85	0.0471	67900.11	0.0144	67930.28	0.0008
67870.63	0.0353	67900.88	0.0133	67931.06	0.0007
67871.41	0.0246	67901.66	0.0119	67931.83	0.0007
67872.18	0.0172	67902.43	0.0110	67932.6	0.0010
67872.96	0.0115	67903.2	0.0119	67933.37	0.0018
67873.74	0.0083	67903.98	0.0116	67934.15	0.0015
67874.51	0.0062	67904.75	0.0115	67934.92	0.0014
67875.29	0.0048	67905.53	0.0102	67935.69	0.0017
67876.07	0.0042	67906.3	0.0088	67936.46	0.0014
67876.84	0.0033	67907.08	0.0084	67937.24	0.0013
67877.62	0.0026	67907.85	0.0061	67938.01	0.0023
67878.39	0.0022	67908.63	0.0039	67938.78	0.0034
67879.17	0.0024	67909.4	0.0036	67939.55	0.0028
67879.95	0.0024	67910.17	0.0025	67940.33	0.0030
67880.72	0.0023	67910.95	0.0015	67941.1	0.0041
67881.5	0.0032	67911.72	0.0008	67941.87	0.0043
67882.27	0.0037	67912.5	0.0010	67942.64	0.0053
67883.05	0.0047	67913.27	0.0004	67943.41	0.0058
67883.83	0.0033	67914.04	0.0005	67944.19	0.0082
67884.6	0.0059	67914.82	0.0007	67944.96	0.0098
67885.38	0.0083	67915.59	0.0012	67945.73	0.0134
67886.15	0.0087	67916.36	0.0009	67946.5	0.0168
67886.93	0.0126	67917.14	0.0005	67947.27	0.0224
67887.7	0.0162	67917.91	0.0006	67948.04	0.0324
67888.48	0.0207	67918.69	0.0002	67948.82	0.0441
67889.26	0.0239	67919.46	0.0005	67949.59	0.0541
67890.03	0.0297	67920.23	0.0004	67950.36	0.0674
67890.81	0.0351	67921.01	0.0007	67951.13	0.0785
67891.58	0.0380	67921.78	0.0002	67951.9	0.0886
67892.36	0.0415	67922.55	0.0009	67952.67	0.0904
67893.13	0.0427	67923.33	0.0004	67953.45	0.0948

Table S1. Continued

VUV photon energy	Intensity	VUV photon energy	Intensity	VUV photon energy	Intensity
67954.22	0.0897	67984.26	0.0033	68014.23	0.0015
67954.99	0.0813	67985.03	0.0035	68015	0.0019
67955.76	0.0713	67985.8	0.0055	68015.76	0.0019
67956.53	0.0572	67986.57	0.0074	68016.53	0.0018
67957.3	0.0487	67987.34	0.0086	68017.3	0.0022
67958.07	0.0396	67988.11	0.0099	68018.07	0.0021
67958.84	0.0354	67988.88	0.0098	68018.83	0.0021
67959.61	0.0361	67989.64	0.0082	68019.6	0.0029
67960.39	0.0367	67990.41	0.0072	68020.37	0.0028
67961.16	0.0366	67991.18	0.0072	68021.13	0.0035
67961.93	0.0393	67991.95	0.0079	68021.9	0.0049
67962.7	0.0431	67992.72	0.0098	68022.67	0.0058
67963.47	0.0434	67993.49	0.0124	68023.44	0.0065
67964.24	0.0410	67994.26	0.0162	68024.2	0.0075
67965.01	0.0374	67995.03	0.0227	68024.97	0.0098
67965.78	0.0326	67995.79	0.0295	68025.74	0.0112
67966.55	0.0264	67996.56	0.0408	68026.5	0.0120
67967.32	0.0201	67997.33	0.0535	68027.27	0.0127
67968.09	0.0162	67998.1	0.0624	68028.04	0.0133
67968.86	0.0119	67998.87	0.0671	68028.8	0.0112
67969.63	0.0091	67999.64	0.0711	68029.57	0.0103
67970.4	0.0062	68000.41	0.0690	68030.34	0.0087
67971.17	0.0050	68001.17	0.0637	68031.1	0.0070
67971.94	0.0034	68001.94	0.0595	68031.87	0.0062
67972.71	0.0020	68002.71	0.0538	68032.63	0.0047
67973.48	0.0023	68003.48	0.0450	68033.4	0.0040
67974.25	0.0005	68004.25	0.0331	68034.17	0.0039
67975.02	0.0015	68005.02	0.0238	68034.93	0.0038
67975.79	0.0014	68005.78	0.0177	68035.7	0.0038
67976.56	0.0009	68006.55	0.0123	68036.47	0.0046
67977.33	0.0013	68007.32	0.0087	68037.23	0.0055
67978.1	0.0018	68008.09	0.0074	68038	0.0058
67978.87	0.0015	68008.86	0.0048	68038.76	0.0076
67979.64	0.0016	68009.62	0.0030	68039.53	0.0089
67980.41	0.0017	68010.39	0.0029	68040.3	0.0112
67981.18	0.0016	68011.16	0.0025	68041.06	0.0118
67981.95	0.0021	68011.93	0.0026	68041.83	0.0138
67982.72	0.0014	68012.69	0.0019	68042.59	0.0138
67983.49	0.0023	68013.46	0.0016	68043.36	0.0149

Table S1. Continued

VUV photon energy	Intensity	VUV photon energy	Intensity	VUV photon energy	Intensity
68044.12	0.0124	68073.95	0.0089	68103.69	0.0049
68044.89	0.0118	68074.71	0.0072	68104.46	0.0050
68045.66	0.0118	68075.47	0.0059	68105.22	0.0068
68046.42	0.0099	68076.24	0.0047	68105.98	0.0076
68047.19	0.0106	68077	0.0040	68106.74	0.0096
68047.95	0.0098	68077.76	0.0027	68107.5	0.0126
68048.72	0.0105	68078.53	0.0021	68108.26	0.0168
68049.48	0.0122	68079.29	0.0018	68109.03	0.0201
68050.25	0.0128	68080.05	0.0018	68109.79	0.0266
68051.01	0.0130	68080.82	0.0016	68110.55	0.0325
68051.78	0.0146	68081.58	0.0011	68111.31	0.0375
68052.54	0.0156	68082.34	0.0015	68112.07	0.0438
68053.31	0.0171	68083.11	0.0015	68112.83	0.0475
68054.07	0.0193	68083.87	0.0014	68113.59	0.0531
68054.84	0.0212	68084.63	0.0017	68114.36	0.0530
68055.6	0.0216	68085.4	0.0017	68115.12	0.0549
68056.37	0.0234	68086.16	0.0011	68115.88	0.0542
68057.13	0.0262	68086.92	0.0011	68116.64	0.0513
68057.9	0.0291	68087.69	0.0015	68117.4	0.0467
68058.66	0.0298	68088.45	0.0013	68118.16	0.0416
68059.43	0.0321	68089.21	0.0017	68118.92	0.0337
68060.19	0.0344	68089.97	0.0022	68119.68	0.0287
68060.96	0.0334	68090.74	0.0022	68120.44	0.0230
68061.72	0.0341	68091.5	0.0031	68121.2	0.0168
68062.48	0.0343	68092.26	0.0034	68121.97	0.0142
68063.25	0.0347	68093.02	0.0044	68122.73	0.0109
68064.01	0.0330	68093.79	0.0040	68123.49	0.0084
68064.78	0.0318	68094.55	0.0051	68124.25	0.0071
68065.54	0.0269	68095.31	0.0057	68125.01	0.0079
68066.31	0.0236	68096.07	0.0049	68125.77	0.0067
68067.07	0.0213	68096.84	0.0049	68126.53	0.0071
68067.83	0.0153	68097.6	0.0052	68127.29	0.0070
68068.6	0.0142	68098.36	0.0043	68128.05	0.0075
68069.36	0.0126	68099.12	0.0047	68128.81	0.0080
68070.13	0.0110	68099.88	0.0044	68129.57	0.0073
68070.89	0.0112	68100.65	0.0040	68130.33	0.0072
68071.65	0.0098	68101.41	0.0031	68131.09	0.0078
68072.42	0.0099	68102.17	0.0043	68131.85	0.0079
68073.18	0.0097	68102.93	0.0039	68132.61	0.0076

Table S1. Continued

VUV photon energy	Intensity	VUV photon energy	Intensity	VUV photon energy	Intensity
68133.37	0.0086	68162.37	0.0316	68191.88	0.0042
68134.13	0.0107	68163.13	0.0327	68192.63	0.0042
68134.89	0.0104	68163.88	0.0321	68193.39	0.0035
68135.65	0.0117	68164.64	0.0299	68194.15	0.0030
68136.41	0.0124	68165.4	0.0274	68194.9	0.0028
68137.17	0.0112	68166.16	0.0236	68195.66	0.0031
68137.93	0.0107	68166.91	0.0196	68196.41	0.0035
68138.69	0.0105	68167.67	0.0147	68197.17	0.0036
68139.45	0.0082	68168.43	0.0109	68197.92	0.0041
68140.21	0.0080	68169.19	0.0090	68198.68	0.0048
68140.97	0.0060	68169.94	0.0071	68199.43	0.0050
68141.73	0.0058	68170.7	0.0056	68200.19	0.0062
68142.49	0.0049	68171.46	0.0055	68200.94	0.0075
68143.25	0.0047	68172.21	0.0046	68201.7	0.0093
68144.01	0.0043	68172.97	0.0046	68202.46	0.0122
68144.76	0.0045	68173.73	0.0050	68203.21	0.0162
68145.52	0.0034	68174.48	0.0062	68203.97	0.0210
68145.69	0.0033	68175.24	0.0076	68204.72	0.0249
68146.45	0.0034	68176	0.0096	68205.48	0.0313
68147.21	0.0035	68176.75	0.0122	68206.23	0.0343
68147.97	0.0031	68177.51	0.0163	68206.98	0.0375
68148.72	0.0037	68178.27	0.0199	68207.74	0.0404
68149.48	0.0044	68179.02	0.0234	68208.49	0.0409
68150.24	0.0047	68179.78	0.0270	68209.25	0.0388
68151	0.0047	68180.54	0.0303	68210	0.0346
68151.76	0.0052	68181.29	0.0325	68210.76	0.0308
68152.52	0.0058	68182.05	0.0318	68211.51	0.0264
68153.27	0.0061	68182.81	0.0325	68212.27	0.0239
68154.03	0.0064	68183.56	0.0295	68213.02	0.0210
68154.79	0.0074	68184.32	0.0262	68213.78	0.0206
68155.55	0.0087	68185.08	0.0223	68214.53	0.0180
68156.31	0.0098	68185.83	0.0197	68215.28	0.0195
68157.06	0.0107	68186.59	0.0152	68216.04	0.0220
68157.82	0.0125	68187.34	0.0128	68216.79	0.0256
68158.58	0.0151	68188.1	0.0090	68217.55	0.0302
68159.34	0.0174	68188.86	0.0081	68218.3	0.0343
68160.1	0.0220	68189.61	0.0058	68219.06	0.0425
68160.85	0.0254	68190.37	0.0054	68219.81	0.0473
68161.61	0.0296	68191.12	0.0045	68220.56	0.0521

Table S1. Continued

VUV photon energy	Intensity	VUV photon energy	Intensity	VUV photon energy	Intensity
68221.32	0.0579	68250.68	0.0026	68279.98	0.0160
68222.07	0.0573	68251.44	0.0030	68280.73	0.0126
68222.83	0.0579	68252.19	0.0037	68281.48	0.0111
68223.58	0.0563	68252.94	0.0039	68282.23	0.0089
68224.33	0.0523	68253.69	0.0046	68282.98	0.0070
68225.09	0.0454	68254.44	0.0056	68283.73	0.0059
68225.84	0.0378	68255.2	0.0054	68284.48	0.0049
68226.59	0.0339	68255.95	0.0054	68285.23	0.0037
68227.35	0.0276	68256.7	0.0056	68285.98	0.0031
68228.1	0.0236	68257.45	0.0053	68286.73	0.0025
68228.85	0.0201	68258.2	0.0055	68287.48	0.0021
68229.61	0.0190	68258.95	0.0048	68288.23	0.0022
68230.36	0.0175	68259.71	0.0040	68288.98	0.0023
68231.11	0.0156	68260.46	0.0039	68289.73	0.0022
68231.87	0.0125	68261.21	0.0033	68290.48	0.0017
68232.62	0.0113	68261.96	0.0036	68291.23	0.0024
68233.37	0.0091	68262.71	0.0030	68291.98	0.0030
68234.13	0.0078	68263.46	0.0038	68292.73	0.0036
68234.88	0.0066	68264.21	0.0036	68293.48	0.0042
68235.63	0.0051	68264.97	0.0040	68294.23	0.0039
68236.39	0.0053	68265.72	0.0060	68294.98	0.0055
68237.14	0.0041	68266.47	0.0067	68295.72	0.0060
68237.89	0.0039	68267.22	0.0078	68296.47	0.0084
68238.65	0.0034	68267.97	0.0108	68297.22	0.0098
68239.4	0.0030	68268.72	0.0128	68297.97	0.0101
68240.15	0.0031	68269.47	0.0168	68298.72	0.0118
68240.9	0.0029	68270.22	0.0208	68299.47	0.0121
68241.66	0.0027	68270.97	0.0237	68300.22	0.0129
68242.41	0.0020	68271.72	0.0303	68300.97	0.0136
68243.16	0.0021	68272.48	0.0329	68301.72	0.0121
68243.91	0.0017	68273.23	0.0345	68302.47	0.0113
68244.67	0.0014	68273.98	0.0346	68303.22	0.0100
68245.42	0.0014	68274.73	0.0343	68303.96	0.0085
68246.17	0.0015	68275.48	0.0335	68304.71	0.0068
68246.92	0.0014	68276.23	0.0322	68305.46	0.0055
68247.68	0.0015	68276.98	0.0276	68306.21	0.0056
68248.43	0.0017	68277.73	0.0239	68306.96	0.0045
68249.18	0.0020	68278.48	0.0210	68307.71	0.0044
68249.93	0.0021	68279.23	0.0177	68308.46	0.0039

Table S1. Continued

VUV photon energy	Intensity	VUV photon energy	Intensity	VUV photon energy	Intensity
68309.2	0.0042	68338.36	0.0174	68367.44	0.0177
68309.95	0.0045	68339.1	0.0189	68368.18	0.0195
68310.7	0.0040	68339.85	0.0192	68368.93	0.0197
68311.45	0.0041	68340.6	0.0213	68369.67	0.0202
68312.2	0.0047	68341.34	0.0215	68370.42	0.0203
68312.95	0.0043	68342.09	0.0208	68371.16	0.0184
68313.69	0.0049	68342.84	0.0197	68371.91	0.0174
68314.44	0.0044	68343.58	0.0183	68372.65	0.0143
68315.19	0.0042	68344.33	0.0176	68373.4	0.0123
68315.94	0.0039	68345.07	0.0161	68374.14	0.0113
68316.69	0.0048	68345.82	0.0147	68374.89	0.0101
68317.43	0.0045	68346.57	0.0142	68375.63	0.0097
68318.18	0.0052	68347.31	0.0140	68376.37	0.0109
68318.93	0.0049	68348.06	0.0129	68377.12	0.0102
68319.68	0.0044	68348.81	0.0120	68377.86	0.0118
68320.43	0.0046	68349.55	0.0119	68378.61	0.0132
68321.17	0.0049	68350.3	0.0107	68379.35	0.0150
68321.92	0.0048	68351.04	0.0094	68380.09	0.0171
68322.67	0.0054	68351.79	0.0080	68380.84	0.0193
68323.42	0.0051	68352.53	0.0070	68381.58	0.0197
68324.16	0.0051	68353.28	0.0063	68382.33	0.0209
68324.91	0.0060	68354.03	0.0065	68383.07	0.0223
68325.66	0.0066	68354.77	0.0064	68383.81	0.0198
68326.41	0.0070	68355.52	0.0066	68384.56	0.0182
68327.15	0.0067	68356.26	0.0086	68385.3	0.0175
68327.9	0.0077	68357.01	0.0091	68386.04	0.0153
68328.65	0.0069	68357.75	0.0104	68386.79	0.0130
68329.39	0.0060	68358.5	0.0114	68387.53	0.0119
68330.14	0.0059	68359.24	0.0140	68388.28	0.0119
68330.89	0.0060	68359.99	0.0138	68389.02	0.0109
68331.64	0.0050	68360.73	0.0148	68389.76	0.0095
68332.38	0.0055	68361.48	0.0147	68390.51	0.0098
68333.13	0.0056	68362.22	0.0150	68391.25	0.0102
68333.88	0.0056	68362.97	0.0132	68391.99	0.0101
68334.62	0.0070	68363.71	0.0139	68392.74	0.0111
68335.37	0.0084	68364.46	0.0141	68393.48	0.0109
68336.12	0.0098	68365.2	0.0150	68394.22	0.0099
68336.86	0.0126	68365.95	0.0151	68394.97	0.0102
68337.61	0.0149	68366.69	0.0158	68395.71	0.0093

Table S1. Continued

VUV photon energy	Intensity	VUV photon energy	Intensity	VUV photon energy	Intensity
68396.45	0.0087	68425.39	0.0089	68454.26	0.0369
68397.19	0.0094	68426.13	0.0107	68455	0.0403
68397.94	0.0089	68426.88	0.0124	68455.74	0.0398
68398.68	0.0089	68427.62	0.0151	68456.48	0.0382
68399.42	0.0093	68428.36	0.0162	68457.22	0.0354
68400.17	0.0095	68429.1	0.0180	68457.96	0.0305
68400.91	0.0113	68429.84	0.0186	68458.7	0.0274
68401.65	0.0134	68430.58	0.0187	68459.44	0.0214
68402.39	0.0164	68431.32	0.0197	68460.18	0.0184
68403.14	0.0203	68432.06	0.0192	68460.92	0.0160
68403.88	0.0214	68432.8	0.0184	68461.66	0.0168
68404.62	0.0218	68433.54	0.0167	68462.4	0.0155
68405.36	0.0220	68434.28	0.0159	68463.13	0.0156
68406.11	0.0203	68435.02	0.0142	68463.87	0.0161
68406.85	0.0216	68435.77	0.0148	68464.61	0.0173
68407.59	0.0201	68436.51	0.0143	68465.35	0.0162
68408.33	0.0187	68437.25	0.0127	68466.09	0.0163
68409.08	0.0157	68437.99	0.0117	68466.83	0.0173
68409.82	0.0127	68438.73	0.0113	68467.57	0.0160
68410.56	0.0098	68439.47	0.0098	68468.31	0.0168
68411.3	0.0080	68440.21	0.0089	68469.04	0.0183
68412.04	0.0067	68440.95	0.0082	68469.78	0.0191
68412.79	0.0057	68441.69	0.0075	68470.52	0.0216
68413.53	0.0045	68442.43	0.0068	68471.26	0.0237
68414.27	0.0048	68443.17	0.0060	68472	0.0265
68415.01	0.0042	68443.91	0.0060	68472.74	0.0303
68415.75	0.0043	68444.65	0.0055	68473.47	0.0317
68416.5	0.0034	68445.39	0.0057	68474.21	0.0305
68417.24	0.0037	68446.13	0.0068	68474.95	0.0313
68417.98	0.0031	68446.87	0.0057	68475.69	0.0316
68418.72	0.0030	68447.61	0.0072	68476.43	0.0288
68419.46	0.0032	68448.35	0.0095	68477.16	0.0287
68420.2	0.0037	68449.09	0.0113	68477.9	0.0261
68420.95	0.0036	68449.83	0.0141	68478.64	0.0233
68421.69	0.0035	68450.57	0.0187	68479.38	0.0187
68422.43	0.0043	68451.31	0.0225	68480.12	0.0143
68423.17	0.0048	68452.05	0.0262	68480.85	0.0124
68423.91	0.0052	68452.79	0.0309	68481.59	0.0099
68424.65	0.0068	68453.53	0.0348	68482.33	0.0081

Table S1. Continued

VUV photon energy	Intensity	VUV photon energy	Intensity	VUV photon energy	Intensity
68483.07	0.0076	68511.8	0.0077	68540.46	0.1257
68483.8	0.0065	68512.53	0.0082	68541.2	0.0999
68484.54	0.0059	68513.27	0.0078	68541.93	0.0789
68485.28	0.0055	68514.01	0.0083	68542.66	0.0619
68486.02	0.0049	68514.74	0.0080	68543.4	0.0459
68486.75	0.0044	68515.48	0.0086	68544.13	0.0368
68487.49	0.0046	68516.21	0.0081	68544.87	0.0289
68488.23	0.0049	68516.95	0.0083	68545.6	0.0240
68488.97	0.0051	68517.68	0.0095	68546.33	0.0225
68489.7	0.0049	68518.42	0.0100	68547.07	0.0183
68490.44	0.0048	68519.16	0.0114	68547.8	0.0170
68491.18	0.0044	68519.89	0.0119	68548.53	0.0167
68491.91	0.0044	68520.63	0.0146	68549.27	0.0154
68492.65	0.0046	68521.36	0.0160	68550	0.0137
68493.39	0.0037	68522.1	0.0190	68550.73	0.0130
68494.13	0.0043	68522.83	0.0213	68551.47	0.0136
68494.86	0.0050	68523.57	0.0233	68552.2	0.0135
68495.6	0.0064	68524.3	0.0247	68552.93	0.0142
68496.34	0.0061	68525.04	0.0267	68553.67	0.0151
68497.07	0.0065	68525.77	0.0288	68554.4	0.0180
68497.81	0.0067	68526.51	0.0310	68555.13	0.0198
68498.55	0.0075	68527.24	0.0335	68555.87	0.0232
68499.28	0.0085	68527.98	0.0368	68556.6	0.0269
68500.02	0.0079	68528.71	0.0442	68557.33	0.0312
68500.76	0.0079	68529.45	0.0521	68558.07	0.0358
68501.49	0.0084	68530.18	0.0621	68558.8	0.0408
68502.23	0.0083	68530.92	0.0815	68559.53	0.0434
68502.97	0.0081	68531.65	0.1034	68560.27	0.0501
68503.7	0.0083	68532.38	0.1291	68561	0.0542
68504.44	0.0079	68533.12	0.1593	68561.73	0.0569
68505.17	0.0072	68533.85	0.1853	68562.46	0.0582
68505.91	0.0070	68534.59	0.2057	68563.2	0.0611
68506.65	0.0071	68535.32	0.2198	68563.93	0.0580
68507.38	0.0072	68536.06	0.2325	68564.66	0.0590
68508.12	0.0073	68536.79	0.2295	68565.39	0.0569
68508.86	0.0071	68537.53	0.2179	68566.13	0.0521
68509.59	0.0073	68538.26	0.2004	68566.86	0.0529
68510.33	0.0078	68538.99	0.1784	68567.59	0.0482
68511.06	0.0075	68539.73	0.1475	68568.32	0.0457

Table S1. Continued

VUV photon energy	Intensity	VUV photon energy	Intensity	VUV photon energy	Intensity
68569.06	0.0400	68597.58	0.0240	68626.04	0.0196
68569.79	0.0367	68598.31	0.0221	68626.77	0.0210
68570.52	0.0317	68599.04	0.0193	68627.5	0.0210
68571.25	0.0294	68599.77	0.0185	68628.23	0.0227
68571.99	0.0288	68600.5	0.0152	68628.95	0.0209
68572.72	0.0247	68601.23	0.0142	68629.68	0.0203
68573.45	0.0260	68601.96	0.0108	68630.41	0.0201
68574.18	0.0253	68602.69	0.0097	68631.14	0.0184
68574.91	0.0272	68603.42	0.0080	68631.87	0.0176
68575.65	0.0287	68604.16	0.0071	68632.6	0.0169
68576.38	0.0329	68604.89	0.0064	68633.32	0.0167
68577.11	0.0384	68605.62	0.0062	68634.05	0.0168
68577.84	0.0444	68606.35	0.0060	68634.78	0.0170
68578.57	0.0510	68607.08	0.0058	68635.51	0.0155
68579.3	0.0571	68607.81	0.0052	68636.24	0.0160
68580.04	0.0622	68608.54	0.0062	68636.97	0.0149
68580.77	0.0647	68609.27	0.0069	68637.69	0.0137
68581.5	0.0680	68609.99	0.0080	68638.42	0.0116
68582.23	0.0686	68610.72	0.0088	68639.15	0.0109
68582.96	0.0638	68611.45	0.0115	68639.88	0.0090
68583.69	0.0609	68612.18	0.0119	68640.61	0.0084
68584.42	0.0516	68612.91	0.0138	68640.98	0.0070
68585.16	0.0405	68613.64	0.0152	68641.71	0.0055
68585.89	0.0330	68614.37	0.0175	68642.44	0.0057
68586.62	0.0288	68615.1	0.0186	68643.16	0.0051
68587.35	0.0243	68615.83	0.0190	68643.89	0.0051
68588.08	0.0214	68616.56	0.0191	68644.62	0.0049
68588.81	0.0192	68617.29	0.0198	68645.35	0.0041
68589.54	0.0173	68618.02	0.0208	68646.07	0.0040
68590.27	0.0179	68618.75	0.0190	68646.8	0.0037
68591.01	0.0180	68619.48	0.0188	68647.53	0.0043
68591.74	0.0183	68620.21	0.0181	68648.26	0.0040
68592.47	0.0192	68620.94	0.0159	68648.98	0.0038
68593.2	0.0194	68621.67	0.0148	68649.71	0.0038
68593.93	0.0217	68622.39	0.0151	68650.44	0.0039
68594.66	0.0224	68623.12	0.0152	68651.16	0.0044
68595.39	0.0228	68623.85	0.0152	68651.89	0.0044
68596.12	0.0226	68624.58	0.0163	68652.62	0.0049
68596.85	0.0237	68625.31	0.0170	68653.35	0.0063

Table S1. Continued

VUV photon energy	Intensity	VUV photon energy	Intensity	VUV photon energy	Intensity
68654.07	0.0062	68682.39	0.0150	68710.64	0.0108
68654.8	0.0063	68683.11	0.0172	68711.36	0.0099
68655.53	0.0070	68683.84	0.0176	68712.08	0.0103
68656.25	0.0073	68684.56	0.0181	68712.81	0.0093
68656.98	0.0080	68685.29	0.0180	68713.53	0.0087
68657.71	0.0085	68686.01	0.0179	68714.25	0.0108
68658.43	0.0092	68686.74	0.0182	68714.98	0.0115
68659.16	0.0083	68687.46	0.0181	68715.7	0.0127
68659.89	0.0080	68688.19	0.0177	68716.42	0.0137
68660.61	0.0092	68688.91	0.0172	68717.14	0.0160
68661.34	0.0093	68689.64	0.0173	68717.87	0.0178
68662.07	0.0100	68690.36	0.0184	68718.59	0.0207
68662.79	0.0098	68691.09	0.0186	68719.31	0.0233
68663.52	0.0113	68691.81	0.0214	68720.04	0.0251
68664.24	0.0123	68692.54	0.0250	68720.76	0.0267
68664.97	0.0127	68693.26	0.0299	68721.48	0.0296
68665.7	0.0128	68693.98	0.0357	68722.2	0.0312
68666.42	0.0125	68694.71	0.0447	68722.93	0.0312
68667.15	0.0136	68695.43	0.0542	68723.65	0.0326
68667.88	0.0139	68696.16	0.0702	68724.37	0.0319
68668.6	0.0143	68696.88	0.0834	68725.1	0.0320
68669.33	0.0139	68697.61	0.0972	68725.82	0.0307
68670.05	0.0128	68698.33	0.1061	68726.54	0.0289
68670.78	0.0121	68699.05	0.1149	68727.26	0.0269
68671.51	0.0118	68699.78	0.1209	68727.99	0.0259
68672.23	0.0114	68700.5	0.1176	68728.71	0.0248
68672.96	0.0113	68701.23	0.1119	68729.43	0.0233
68673.68	0.0103	68701.95	0.1010	68730.15	0.0235
68674.41	0.0105	68702.68	0.0878	68730.87	0.0227
68675.13	0.0101	68703.4	0.0716	68731.6	0.0213
68675.86	0.0104	68704.12	0.0577	68732.32	0.0207
68676.58	0.0102	68704.85	0.0441	68733.04	0.0207
68677.31	0.0105	68705.57	0.0348	68733.76	0.0191
68678.04	0.0117	68706.29	0.0278	68734.48	0.0184
68678.76	0.0117	68707.02	0.0223	68735.21	0.0184
68679.49	0.0128	68707.74	0.0182	68735.93	0.0177
68680.21	0.0135	68708.47	0.0149	68736.65	0.0174
68680.94	0.0150	68709.19	0.0126	68737.37	0.0175
68681.66	0.0156	68709.91	0.0114	68738.09	0.0188

Table S1. Continued

VUV photon energy	Intensity	VUV photon energy	Intensity	VUV photon energy	Intensity
68738.82	0.0198	68766.93	0.1369	68794.98	0.0090
68739.54	0.0216	68767.65	0.1266	68795.69	0.0087
68740.26	0.0245	68768.37	0.1094	68796.41	0.0079
68740.98	0.0277	68769.09	0.0988	68797.13	0.0071
68741.7	0.0309	68769.81	0.0902	68797.85	0.0069
68742.42	0.0350	68770.53	0.0792	68798.57	0.0057
68743.15	0.0390	68771.25	0.0676	68799.28	0.0040
68743.87	0.0437	68771.97	0.0559	68800	0.0054
68744.59	0.0471	68772.69	0.0445	68800.72	0.0040
68745.31	0.0473	68773.41	0.0372	68801.44	0.0046
68746.03	0.0488	68774.13	0.0308	68802.16	0.0045
68746.75	0.0511	68774.85	0.0269	68802.87	0.0042
68747.47	0.0501	68775.57	0.0224	68803.59	0.0037
68748.19	0.0544	68776.29	0.0174	68804.31	0.0043
68748.92	0.0547	68777	0.0159	68805.03	0.0042
68749.64	0.0586	68777.72	0.0130	68805.74	0.0047
68750.36	0.0649	68778.44	0.0111	68806.46	0.0039
68751.08	0.0750	68779.16	0.0104	68807.18	0.0049
68751.8	0.0884	68779.88	0.0097	68807.9	0.0043
68752.52	0.1103	68780.6	0.0079	68808.61	0.0042
68753.24	0.1274	68781.32	0.0072	68809.33	0.0047
68753.96	0.1584	68782.04	0.0077	68810.05	0.0043
68754.68	0.1947	68782.76	0.0060	68810.77	0.0033
68755.4	0.2368	68783.48	0.0065	68811.48	0.0047
68756.12	0.2861	68784.2	0.0070	68812.2	0.0044
68756.84	0.3344	68784.92	0.0067	68812.92	0.0043
68757.57	0.3698	68785.63	0.0086	68813.64	0.0047
68758.29	0.3889	68786.35	0.0086	68814.35	0.0057
68759.01	0.4054	68787.07	0.0091	68815.07	0.0041
68759.73	0.4071	68787.79	0.0114	68815.79	0.0053
68760.45	0.4104	68788.51	0.0112	68816.5	0.0047
68761.17	0.3894	68789.23	0.0100	68817.22	0.0052
68761.89	0.3511	68789.95	0.0110	68817.94	0.0057
68762.61	0.3214	68790.66	0.0112	68818.65	0.0052
68763.33	0.2789	68791.38	0.0111	68819.37	0.0057
68764.05	0.2423	68792.1	0.0104	68820.09	0.0060
68764.77	0.2063	68792.82	0.0104	68820.8	0.0069
68765.49	0.1849	68793.54	0.0099	68821.52	0.0055
68766.21	0.1635	68794.26	0.0104	68822.24	0.0054

Table S1. Continued

VUV photon energy	Intensity	VUV photon energy	Intensity	VUV photon energy	Intensity
68822.95	0.0046	68850.87	0.0059	68886.16	0.0149
68823.67	0.0047	68851.58	0.0064	68887.26	0.0121
68824.39	0.0034	68852.3	0.0066	68888.36	0.0109
68825.1	0.0043	68853.01	0.0064	68889.45	0.0094
68825.82	0.0046	68853.73	0.0075	68890.55	0.0077
68826.54	0.0044	68854.44	0.0077	68891.65	0.0060
68827.25	0.0062	68855.16	0.0100	68892.75	0.0061
68827.97	0.0063	68855.87	0.0116	68893.84	0.0062
68828.69	0.0060	68856.59	0.0123	68894.94	0.0058
68829.4	0.0068	68857.3	0.0152	68896.03	0.0073
68830.12	0.0067	68858.01	0.0172	68897.13	0.0059
68830.83	0.0090	68858.73	0.0199	68898.23	0.0069
68831.55	0.0077	68859.44	0.0234	68899.32	0.0064
68832.27	0.0087	68860.16	0.0258	68900.42	0.0045
68832.98	0.0089	68860.87	0.0273	68901.51	0.0061
68833.7	0.0086	68861.59	0.0275	68902.61	0.0077
68834.41	0.0084	68862.3	0.0281	68903.71	0.0086
68835.13	0.0086	68863.01	0.0279	68904.8	0.0096
68835.85	0.0082	68863.73	0.0255	68905.9	0.0115
68836.56	0.0083	68864.44	0.0245	68906.99	0.0113
68837.28	0.0084	68865.3	0.0234	68908.09	0.0125
68837.99	0.0089	68866.4	0.0188	68909.18	0.0096
68838.71	0.0088	68867.5	0.0138	68910.28	0.0125
68839.42	0.0092	68868.59	0.0115	68911.37	0.0123
68840.14	0.0098	68869.69	0.0083	68912.47	0.0156
68840.86	0.0085	68870.79	0.0072	68913.56	0.0173
68841.57	0.0088	68871.89	0.0060	68914.66	0.0200
68842.29	0.0101	68872.99	0.0066	68915.75	0.0251
68843	0.0094	68874.09	0.0043	68916.85	0.0330
68843.72	0.0099	68875.19	0.0060	68917.94	0.0417
68844.43	0.0074	68876.28	0.0059	68919.03	0.0620
68845.15	0.0083	68877.38	0.0063	68920.13	0.0841
68845.86	0.0082	68878.48	0.0087	68921.22	0.0998
68846.58	0.0077	68879.58	0.0095	68922.32	0.1111
68847.29	0.0064	68880.68	0.0099	68923.41	0.1167
68848.01	0.0067	68881.77	0.0127	68924.5	0.1128
68848.72	0.0066	68882.87	0.0116	68925.6	0.0909
68849.44	0.0067	68883.97	0.0142	68926.69	0.0881
68850.15	0.0056	68885.07	0.0145	68927.79	0.0718

Table S1. Continued

VUV photon energy	Intensity	VUV photon energy	Intensity	VUV photon energy	Intensity
68928.88	0.0660	68971.44	0.0105	69013.84	0.0354
68929.97	0.0594	68972.53	0.0108	69014.93	0.0328
68931.06	0.0559	68973.62	0.0094	69016.01	0.0345
68932.16	0.0528	68974.71	0.0099	69017.1	0.0291
68933.25	0.0437	68975.79	0.0085	69018.18	0.0174
68934.34	0.0374	68976.88	0.0073	69019.27	0.0173
68935.44	0.0361	68977.97	0.0039	69020.35	0.0142
68936.53	0.0313	68979.06	0.0066	69021.44	0.0141
68937.62	0.0340	68980.15	0.0066	69022.52	0.0129
68938.71	0.0386	68981.24	0.0075	69023.61	0.0126
68939.81	0.0447	68982.33	0.0065	69024.69	0.0074
68940.9	0.0408	68983.41	0.0066	69025.78	0.0060
68941.99	0.0505	68984.5	0.0104	69026.86	0.0097
68943.08	0.0511	68985.59	0.0139	69027.94	0.0046
68944.17	0.0459	68986.68	0.0160	69029.03	0.0101
68945.27	0.0359	68987.77	0.0159	69030.11	0.0099
68946.36	0.0283	68988.85	0.0191	69031.19	0.0110
68947.45	0.0215	68989.94	0.0168	69032.28	0.0129
68948.54	0.0194	68991.03	0.0132	69033.36	0.0141
68949.63	0.0129	68992.12	0.0137	69034.45	0.0130
68950.72	0.0155	68993.2	0.0134	69035.53	0.0140
68951.81	0.0145	68994.29	0.0116	69036.61	0.0157
68952.91	0.0128	68995.38	0.0057	69037.7	0.0189
68954	0.0117	68996.46	0.0100	69038.78	0.0229
68955.09	0.0096	68997.55	0.0103	69039.86	0.0215
68956.18	0.0093	68998.64	0.0090	69040.94	0.0208
68957.27	0.0091	68999.72	0.0096	69042.03	0.0184
68958.36	0.0076	69000.81	0.0094	69043.11	0.0159
68959.45	0.0075	69001.9	0.0085	69044.19	0.0091
68960.54	0.0071	69002.98	0.0100	69045.27	0.0040
68961.63	0.0066	69004.07	0.0099	69046.36	0.0117
68962.72	0.0073	69005.16	0.0142	69047.44	0.0118
68963.81	0.0057	69006.24	0.0152	69048.52	0.0113
68964.9	0.0077	69007.33	0.0162	69049.6	0.0102
68965.99	0.0087	69008.41	0.0266	69050.69	0.0092
68967.08	0.0108	69009.5	0.0328	69051.77	0.0092
68968.17	0.0114	69010.59	0.0366	69052.85	0.0039
68969.26	0.0096	69011.67	0.0447	69053.93	0.0037
68970.35	0.0084	69012.76	0.0452	69055.01	0.0135

Table S1. Continued

VUV photon energy	Intensity	VUV photon energy	Intensity	VUV photon energy	Intensity
69056.09	0.0153	69098.19	0.0150	69140.14	0.0080
69057.17	0.0159	69099.27	0.0134	69141.21	0.0072
69058.26	0.0167	69100.35	0.0153	69142.28	0.0085
69059.34	0.0163	69101.42	0.0188	69143.36	0.0071
69060.42	0.0086	69102.5	0.0236	69144.43	0.0072
69061.5	0.0076	69103.58	0.0293	69145.5	0.0080
69062.58	0.0122	69104.65	0.0351	69146.58	0.0080
69063.66	0.0101	69105.73	0.0372	69147.65	0.0096
69064.74	0.0101	69106.81	0.0395	69148.72	0.0110
69065.82	0.0090	69107.88	0.0359	69149.8	0.0129
69066.9	0.0035	69108.96	0.0328	69150.87	0.0131
69067.98	0.0030	69110.04	0.0245	69151.94	0.0150
69069.06	0.0066	69111.11	0.0179	69153.01	0.0146
69070.14	0.0085	69112.19	0.0136	69154.09	0.0155
69071.22	0.0084	69113.27	0.0093	69155.16	0.0156
69072.3	0.0030	69114.34	0.0083	69156.23	0.0155
69073.38	0.0088	69115.42	0.0079	69157.3	0.0156
69074.46	0.0033	69116.49	0.0073	69158.37	0.0199
69075.54	0.0082	69117.57	0.0073	69159.45	0.0251
69076.62	0.0054	69118.65	0.0075	69160.52	0.0329
69077.7	0.0091	69119.72	0.0059	69161.59	0.0459
69078.78	0.0088	69120.8	0.0067	69162.66	0.0542
69079.86	0.0033	69121.87	0.0065	69163.73	0.0565
69080.94	0.0042	69122.95	0.0069	69164.8	0.0576
69082.02	0.0120	69124.02	0.0063	69165.87	0.0565
69083.1	0.0139	69125.1	0.0087	69166.95	0.0541
69084.18	0.0050	69126.17	0.0081	69168.02	0.0424
69085.25	0.0196	69127.25	0.0093	69169.09	0.0387
69086.33	0.0118	69128.32	0.0103	69170.16	0.0377
69087.41	0.0174	69129.4	0.0103	69171.23	0.0357
69088.49	0.0100	69130.47	0.0095	69172.3	0.0344
69089.57	0.0186	69131.55	0.0099	69173.37	0.0372
69090.65	0.0164	69132.62	0.0105	69174.44	0.0352
69091.72	0.0056	69133.69	0.0102	69175.51	0.0308
69092.8	0.0138	69134.77	0.0087	69176.58	0.0274
69093.88	0.0044	69135.84	0.0091	69177.65	0.0234
69094.96	0.0104	69136.92	0.0095	69178.72	0.0197
69096.04	0.0046	69137.99	0.0082	69179.79	0.0162
69097.11	0.0142	69139.06	0.0084	69180.86	0.0117

Table S1. Continued

VUV photon energy	Intensity	VUV photon energy	Intensity	VUV photon energy	Intensity
69181.93	0.0095	69223.58	0.0119	69265.07	0.0201
69183	0.0084	69224.64	0.0146	69266.13	0.0218
69184.07	0.0074	69225.71	0.0141	69267.19	0.0192
69185.14	0.0079	69226.77	0.0148	69268.26	0.0197
69186.21	0.0073	69227.84	0.0172	69269.32	0.0206
69187.28	0.0073	69228.9	0.0186	69270.38	0.0173
69188.35	0.0064	69229.97	0.0240	69271.44	0.0170
69189.42	0.0069	69231.03	0.0283	69272.5	0.0143
69190.49	0.0081	69232.1	0.0365	69273.56	0.0113
69191.56	0.0078	69233.16	0.0450	69274.62	0.0094
69192.62	0.0084	69234.23	0.0511	69275.69	0.0086
69193.69	0.0093	69235.29	0.0525	69276.75	0.0069
69194.76	0.0090	69236.36	0.0600	69277.81	0.0082
69195.83	0.0103	69237.42	0.0547	69278.87	0.0071
69196.9	0.0117	69238.49	0.0526	69279.93	0.0065
69197.97	0.0133	69239.55	0.0458	69280.99	0.0073
69199.03	0.0138	69240.62	0.0379	69282.05	0.0080
69200.1	0.0148	69241.68	0.0358	69283.11	0.0079
69201.17	0.0147	69242.75	0.0292	69284.17	0.0078
69202.24	0.0142	69243.81	0.0273	69285.23	0.0083
69203.31	0.0127	69244.87	0.0253	69286.29	0.0086
69204.37	0.0134	69245.94	0.0223	69287.35	0.0097
69205.44	0.0110	69247	0.0181	69288.41	0.0097
69206.51	0.0107	69248.06	0.0163	69289.47	0.0106
69207.58	0.0110	69249.13	0.0145	69290.53	0.0103
69208.64	0.0097	69250.19	0.0147	69291.59	0.0106
69209.71	0.0088	69251.26	0.0137	69292.65	0.0113
69210.78	0.0101	69252.32	0.0134	69293.71	0.0108
69211.85	0.0099	69253.38	0.0153	69294.77	0.0098
69212.91	0.0097	69254.44	0.0174	69295.83	0.0104
69213.98	0.0095	69255.51	0.0207	69296.89	0.0106
69215.05	0.0103	69256.57	0.0235	69297.95	0.0100
69216.11	0.0115	69257.63	0.0284	69299.01	0.0117
69217.18	0.0111	69258.7	0.0321	69300.06	0.0136
69218.25	0.0118	69259.76	0.0329	69301.12	0.0152
69219.31	0.0124	69260.82	0.0330	69302.18	0.0173
69220.38	0.0126	69261.88	0.0306	69303.24	0.0198
69221.44	0.0119	69262.95	0.0272	69304.3	0.0208
69222.51	0.0110	69264.01	0.0251	69305.36	0.0205

Table S1. Continued

VUV photon energy	Intensity	VUV photon energy	Intensity	VUV photon energy	Intensity
69306.42	0.0197	69347.61	0.0093	69388.66	0.0120
69307.47	0.0188	69348.67	0.0092	69389.71	0.0143
69308.53	0.0150	69349.72	0.0106	69390.76	0.0173
69309.59	0.0139	69350.78	0.0092	69391.81	0.0214
69310.65	0.0124	69351.83	0.0090	69392.86	0.0233
69311.71	0.0106	69352.88	0.0101	69393.91	0.0299
69312.76	0.0113	69353.94	0.0096	69394.96	0.0332
69313.82	0.0107	69354.99	0.0099	69396.01	0.0348
69314.88	0.0114	69356.04	0.0093	69397.06	0.0349
69315.94	0.0116	69357.1	0.0089	69398.11	0.0330
69316.99	0.0128	69358.15	0.0087	69399.16	0.0311
69318.05	0.0131	69359.21	0.0101	69400.21	0.0273
69319.11	0.0147	69360.26	0.0102	69401.26	0.0257
69320.16	0.0159	69361.31	0.0100	69402.31	0.0251
69321.22	0.0168	69362.37	0.0098	69403.36	0.0213
69322.28	0.0205	69363.42	0.0103	69404.41	0.0195
69323.33	0.0273	69364.47	0.0098	69405.46	0.0175
69324.39	0.0360	69365.52	0.0113	69406.51	0.0147
69325.45	0.0431	69366.58	0.0121	69407.56	0.0148
69326.5	0.0449	69367.63	0.0127	69408.61	0.0119
69327.56	0.0490	69368.68	0.0119	69409.66	0.0122
69328.62	0.0521	69369.73	0.0119	69410.71	0.0113
69329.67	0.0484	69370.79	0.0111	69411.75	0.0128
69330.73	0.0424	69371.84	0.0105	69412.8	0.0125
69331.78	0.0379	69372.89	0.0124	69413.85	0.0128
69332.84	0.0358	69373.94	0.0109	69414.9	0.0149
69333.9	0.0323	69375	0.0100	69415.95	0.0173
69334.95	0.0281	69376.05	0.0084	69417	0.0196
69336.01	0.0277	69377.1	0.0091	69418.04	0.0237
69337.06	0.0260	69378.15	0.0098	69419.09	0.0263
69338.12	0.0226	69379.2	0.0102	69420.14	0.0296
69339.17	0.0207	69380.25	0.0116	69421.19	0.0311
69340.23	0.0165	69381.31	0.0108	69422.23	0.0306
69341.28	0.0133	69382.36	0.0093	69423.28	0.0294
69342.34	0.0120	69383.41	0.0100	69424.33	0.0294
69343.39	0.0103	69384.46	0.0096	69425.38	0.0267
69344.45	0.0087	69385.51	0.0096	69426.42	0.0224
69345.5	0.0086	69386.56	0.0107	69427.47	0.0210
69346.56	0.0094	69387.61	0.0114	69428.52	0.0198

Table S1. Continued

VUV photon energy	Intensity	VUV photon energy	Intensity	VUV photon energy	Intensity
69429.57	0.0179	69470.32	0.0148	69509.84	0.0137
69430.61	0.0164	69471.37	0.0129	69510.88	0.0154
69431.66	0.0156	69472.41	0.0131	69511.92	0.0154
69432.71	0.0137	69473.45	0.0107	69512.96	0.0172
69433.75	0.0137	69474.5	0.0109	69514	0.0184
69434.8	0.0124	69475.54	0.0128	69515.04	0.0181
69435.85	0.0120	69476.58	0.0144	69516.08	0.0177
69436.89	0.0109	69477.62	0.0171	69517.12	0.0170
69437.94	0.0112	69478.67	0.0216	69518.16	0.0163
69438.98	0.0100	69479.71	0.0266	69519.2	0.0169
69440.03	0.0097	69480.75	0.0312	69520.24	0.0171
69441.08	0.0103	69481.79	0.0335	69521.28	0.0176
69442.12	0.0100	69482.83	0.0377	69522.31	0.0202
69443.17	0.0102	69483.88	0.0397	69523.35	0.0228
69444.21	0.0099	69484.92	0.0396	69524.39	0.0262
69445.26	0.0092	69485.96	0.0420	69525.43	0.0305
69446.3	0.0096	69487	0.0399	69526.47	0.0306
69447.35	0.0094	69488.04	0.0401	69527.51	0.0327
69448.39	0.0074	69489.09	0.0419	69528.54	0.0334
69449.44	0.0077	69490.13	0.0406	69529.58	0.0314
69450.49	0.0081	69491.17	0.0372	69530.62	0.0310
69451.53	0.0075	69492.21	0.0335	69531.66	0.0297
69452.57	0.0079	69493.25	0.0308	69532.7	0.0307
69453.62	0.0078	69494.29	0.0249	69533.73	0.0284
69454.66	0.0069	69495.33	0.0209	69534.77	0.0292
69455.71	0.0072	69496.37	0.0183	69535.81	0.0270
69456.75	0.0072	69497.41	0.0170	69536.85	0.0257
69457.8	0.0073	69498.46	0.0149	69537.88	0.0234
69458.84	0.0067	69499.5	0.0139	69538.92	0.0203
69459.89	0.0063	69500.54	0.0120	69539.96	0.0182
69460.93	0.0077	69501.58	0.0115	69541	0.0151
69461.97	0.0087	69502.62	0.0115	69542.03	0.0133
69463.02	0.0099	69503.66	0.0102	69543.07	0.0111
69464.06	0.0118	69504.29	0.0095	69544.11	0.0110
69465.11	0.0140	69504.64	0.0102	69545.14	0.0118
69466.15	0.0152	69505.68	0.0097	69546.18	0.0109
69467.19	0.0156	69506.72	0.0094	69547.22	0.0096
69468.24	0.0168	69507.76	0.0100	69548.25	0.0107
69469.28	0.0155	69508.8	0.0111	69549.29	0.0096

Table S1. Continued

VUV photon energy	Intensity	VUV photon energy	Intensity	VUV photon energy	Intensity
69550.32	0.0109	69590.66	0.0230	69630.86	0.0138
69551.36	0.0107	69591.69	0.0243	69631.89	0.0153
69552.4	0.0116	69592.73	0.0238	69632.92	0.0139
69553.43	0.0130	69593.76	0.0226	69633.94	0.0137
69554.47	0.0147	69594.79	0.0212	69634.97	0.0155
69555.5	0.0169	69595.82	0.0205	69636	0.0154
69556.54	0.0156	69596.86	0.0195	69637.03	0.0165
69557.58	0.0175	69597.89	0.0168	69638.06	0.0194
69558.61	0.0179	69598.92	0.0168	69639.09	0.0215
69559.65	0.0168	69599.95	0.0156	69640.11	0.0230
69560.68	0.0169	69600.98	0.0146	69641.14	0.0257
69561.72	0.0161	69602.01	0.0139	69642.17	0.0277
69562.75	0.0152	69603.05	0.0154	69643.2	0.0281
69563.79	0.0157	69604.08	0.0138	69644.22	0.0311
69564.82	0.0154	69605.11	0.0157	69645.25	0.0323
69565.86	0.0159	69606.14	0.0156	69646.28	0.0328
69566.89	0.0145	69607.17	0.0143	69647.31	0.0318
69567.93	0.0153	69608.2	0.0154	69648.33	0.0302
69568.96	0.0162	69609.23	0.0125	69649.36	0.0302
69569.99	0.0161	69610.26	0.0125	69650.39	0.0291
69571.03	0.0162	69611.29	0.0106	69651.42	0.0270
69572.06	0.0171	69612.32	0.0107	69652.44	0.0256
69573.1	0.0176	69613.35	0.0105	69653.47	0.0249
69574.13	0.0188	69614.38	0.0104	69654.5	0.0225
69575.16	0.0185	69615.41	0.0101	69655.52	0.0205
69576.2	0.0195	69616.45	0.0099	69656.55	0.0186
69577.23	0.0202	69617.48	0.0101	69657.58	0.0165
69578.27	0.0220	69618.51	0.0095	69658.6	0.0151
69579.3	0.0214	69619.54	0.0108	69659.63	0.0153
69580.33	0.0255	69620.56	0.0105	69660.65	0.0155
69581.37	0.0247	69621.59	0.0115	69661.68	0.0150
69582.4	0.0246	69622.62	0.0132	69662.71	0.0154
69583.43	0.0241	69623.65	0.0141	69663.73	0.0170
69584.47	0.0242	69624.68	0.0143	69664.76	0.0159
69585.5	0.0244	69625.71	0.0150	69665.78	0.0175
69586.53	0.0247	69626.74	0.0148	69666.81	0.0162
69587.56	0.0237	69627.77	0.0137	69667.84	0.0156
69588.6	0.0248	69628.8	0.0137	69668.86	0.0144
69589.63	0.0233	69629.83	0.0153	69669.89	0.0145

Table S1. Continued

VUV photon energy	Intensity	VUV photon energy	Intensity	VUV photon energy	Intensity
69670.91	0.0133	69710.82	0.0294	69750.59	0.0351
69671.94	0.0142	69711.84	0.0288	69751.61	0.0339
69672.96	0.0142	69712.87	0.0299	69752.63	0.0356
69673.99	0.0157	69713.89	0.0265	69753.65	0.0340
69675.01	0.0174	69714.91	0.0257	69754.67	0.0341
69676.04	0.0170	69715.93	0.0230	69755.68	0.0325
69677.06	0.0163	69716.95	0.0221	69756.7	0.0333
69678.09	0.0166	69717.97	0.0199	69757.72	0.0315
69679.11	0.0147	69718.99	0.0207	69758.74	0.0338
69680.13	0.0137	69720.01	0.0183	69759.75	0.0333
69681.16	0.0150	69721.03	0.0170	69760.77	0.0322
69682.18	0.0156	69722.05	0.0172	69761.79	0.0294
69683.21	0.0170	69723.08	0.0147	69762.8	0.0265
69684.23	0.0175	69724.1	0.0159	69763.82	0.0238
69685.25	0.0204	69725.12	0.0163	69764.84	0.0202
69686.28	0.0218	69726.14	0.0166	69765.85	0.0180
69687.3	0.0232	69727.16	0.0155	69766.87	0.0171
69688.33	0.0241	69728.18	0.0173	69767.89	0.0172
69689.35	0.0242	69729.2	0.0183	69768.9	0.0165
69690.37	0.0258	69730.22	0.0205	69769.92	0.0160
69691.4	0.0232	69731.24	0.0231	69770.94	0.0152
69692.42	0.0236	69732.26	0.0240	69771.95	0.0143
69693.44	0.0223	69733.28	0.0265	69772.97	0.0154
69694.47	0.0239	69734.29	0.0290	69773.98	0.0158
69695.49	0.0214	69735.31	0.0309	69775	0.0168
69696.51	0.0207	69736.33	0.0308	69776.02	0.0171
69697.53	0.0224	69737.35	0.0295	69777.03	0.0174
69698.56	0.0233	69738.37	0.0294	69778.05	0.0201
69699.58	0.0243	69739.39	0.0291	69779.06	0.0203
69700.6	0.0226	69740.41	0.0273	69780.08	0.0189
69701.63	0.0209	69741.43	0.0273	69781.09	0.0194
69702.65	0.0199	69742.45	0.0280	69782.11	0.0177
69703.67	0.0206	69743.47	0.0274	69783.12	0.0172
69704.69	0.0207	69744.48	0.0266	69784.14	0.0163
69705.71	0.0205	69745.5	0.0272	69785.15	0.0164
69706.74	0.0224	69746.52	0.0259	69786.17	0.0158
69707.76	0.0238	69747.54	0.0287	69787.18	0.0150
69708.78	0.0251	69748.56	0.0298	69788.2	0.0159
69709.8	0.0269	69749.58	0.0313	69789.21	0.0154

Table S1. Continued

VUV photon energy	Intensity	VUV photon energy	Intensity	VUV photon energy	Intensity
69790.23	0.0153	69829.72	0.0234	69869.07	0.0289
69791.24	0.0146	69830.73	0.0210	69870.08	0.0337
69792.25	0.0158	69831.74	0.0214	69871.09	0.0328
69793.27	0.0150	69832.75	0.0216	69872.1	0.0334
69794.28	0.0153	69833.76	0.0224	69873.1	0.0313
69795.3	0.0166	69834.77	0.0265	69874.11	0.0307
69796.31	0.0174	69835.78	0.0297	69875.12	0.0291
69797.32	0.0190	69836.79	0.0318	69876.12	0.0276
69798.34	0.0206	69837.8	0.0353	69877.13	0.0266
69799.35	0.0218	69838.81	0.0370	69878.14	0.0260
69800.37	0.0232	69839.82	0.0384	69879.14	0.0222
69801.38	0.0266	69840.83	0.0388	69880.15	0.0219
69802.39	0.0273	69841.84	0.0367	69881.15	0.0247
69803.41	0.0284	69842.85	0.0344	69882.16	0.0243
69804.42	0.0287	69843.86	0.0317	69883.17	0.0279
69805.43	0.0278	69844.87	0.0273	69884.17	0.0296
69806.45	0.0267	69845.88	0.0243	69885.18	0.0334
69807.46	0.0274	69846.89	0.0224	69886.18	0.0327
69808.47	0.0252	69847.9	0.0197	69887.19	0.0349
69809.48	0.0241	69848.91	0.0195	69888.2	0.0338
69810.5	0.0224	69849.92	0.0170	69889.2	0.0334
69811.51	0.0220	69850.93	0.0157	69890.21	0.0311
69812.52	0.0208	69851.94	0.0152	69891.21	0.0287
69813.53	0.0197	69852.94	0.0154	69892.22	0.0258
69814.55	0.0194	69853.95	0.0159	69893.22	0.0269
69815.56	0.0176	69854.96	0.0147	69894.23	0.0242
69816.57	0.0174	69855.97	0.0137	69895.23	0.0244
69817.58	0.0165	69856.98	0.0127	69896.24	0.0233
69818.59	0.0160	69857.99	0.0130	69897.24	0.0250
69819.61	0.0158	69859	0.0116	69898.25	0.0236
69820.62	0.0156	69860	0.0123	69899.25	0.0224
69821.63	0.0174	69861.01	0.0123	69900.26	0.0226
69822.64	0.0173	69862.02	0.0122	69901.26	0.0216
69823.65	0.0184	69863.03	0.0149	69902.27	0.0208
69824.66	0.0193	69864.04	0.0176	69903.27	0.0206
69825.67	0.0202	69865.04	0.0192	69904.27	0.0203
69826.69	0.0221	69866.05	0.0233	69905.28	0.0201
69827.7	0.0221	69867.06	0.0253	69906.28	0.0181
69828.71	0.0230	69868.07	0.0305	69907.29	0.0169

Table S1. Continued

VUV photon energy	Intensity	VUV photon energy	Intensity	VUV photon energy	Intensity
69908.29	0.0170	69947.37	0.0176	69986.31	0.0388
69909.29	0.0161	69948.37	0.0164	69987.31	0.0374
69910.3	0.0142	69949.37	0.0162	69988.31	0.0346
69911.3	0.0145	69950.37	0.0151	69989.3	0.0344
69912.3	0.0143	69951.37	0.0155	69990.3	0.0353
69913.31	0.0149	69952.37	0.0151	69991.3	0.0334
69914.31	0.0150	69953.37	0.0163	69992.29	0.0318
69915.31	0.0160	69954.37	0.0169	69993.29	0.0301
69916.32	0.0171	69955.37	0.0176	69994.29	0.0311
69917.32	0.0195	69956.37	0.0187	69995.28	0.0308
69918.32	0.0199	69957.37	0.0195	69996.28	0.0327
69919.33	0.0210	69958.37	0.0202	69997.27	0.0344
69920.33	0.0237	69959.37	0.0224	69998.27	0.0315
69921.33	0.0253	69960.37	0.0219	69999.27	0.0336
69922.33	0.0258	69961.37	0.0218	70000.26	0.0346
69923.34	0.0259	69962.37	0.0244	70001.26	0.0361
69924.34	0.0273	69963.36	0.0237	70002.25	0.0381
69925.34	0.0263	69964.36	0.0249	70003.25	0.0422
69926.34	0.0273	69965.36	0.0257	70004.24	0.0423
69927.35	0.0252	69966.36	0.0229	70005.24	0.0430
69928.35	0.0255	69967.36	0.0211	70006.23	0.0430
69929.35	0.0264	69968.36	0.0207	70007.23	0.0406
69930.35	0.0250	69969.36	0.0204	70008.22	0.0365
69931.35	0.0246	69970.35	0.0202	70009.22	0.0342
69932.36	0.0250	69971.35	0.0209	70010.21	0.0312
69933.36	0.0250	69972.35	0.0201	70011.21	0.0278
69934.36	0.0233	69973.35	0.0199	70012.2	0.0251
69935.36	0.0226	69974.35	0.0192	70013.2	0.0231
69936.36	0.0237	69975.34	0.0194	70014.19	0.0221
69937.36	0.0225	69976.34	0.0205	70015.18	0.0191
69938.36	0.0221	69977.34	0.0224	70016.18	0.0199
69939.37	0.0233	69978.34	0.0224	70017.17	0.0183
69940.37	0.0238	69979.33	0.0238	70018.17	0.0179
69941.37	0.0220	69980.33	0.0242	70019.16	0.0166
69942.37	0.0203	69981.33	0.0276	70020.16	0.0189
69943.37	0.0190	69982.33	0.0296	70021.15	0.0197
69944.37	0.0195	69983.32	0.0327	70022.14	0.0180
69945.37	0.0188	69984.32	0.0355	70023.14	0.0187
69946.37	0.0177	69985.32	0.0376	70024.13	0.0187

Table S1. Continued

VUV photon energy	Intensity	VUV photon energy	Intensity	VUV photon energy	Intensity
70025.12	0.0216	70063.8	0.1109	70102.34	0.0180
70026.12	0.0218	70064.79	0.1032	70103.32	0.0176
70027.11	0.0218	70065.78	0.0859	70104.31	0.0176
70028.1	0.0245	70066.77	0.0741	70105.3	0.0167
70029.1	0.0256	70067.76	0.0671	70106.28	0.0186
70030.09	0.0241	70068.75	0.0625	70107.27	0.0196
70031.08	0.0265	70069.73	0.0621	70108.25	0.0205
70032.07	0.0251	70070.72	0.0537	70109.24	0.0217
70033.07	0.0258	70071.71	0.0517	70110.23	0.0224
70034.06	0.0256	70072.7	0.0452	70111.21	0.0230
70035.05	0.0256	70073.69	0.0386	70112.2	0.0237
70036.04	0.0249	70074.68	0.0332	70113.18	0.0222
70037.04	0.0251	70075.67	0.0292	70114.17	0.0223
70038.03	0.0245	70076.66	0.0268	70115.15	0.0222
70039.02	0.0238	70077.65	0.0241	70116.14	0.0219
70040.01	0.0241	70078.64	0.0241	70117.12	0.0215
70041.01	0.0247	70079.62	0.0243	70118.11	0.0206
70042	0.0236	70080.61	0.0255	70119.09	0.0205
70042.99	0.0239	70081.6	0.0242	70120.08	0.0188
70043.98	0.0269	70082.59	0.0241	70121.06	0.0189
70044.97	0.0269	70083.58	0.0263	70122.05	0.0208
70045.96	0.0323	70084.57	0.0293	70123.03	0.0203
70046.96	0.0353	70085.55	0.0306	70124.02	0.0190
70047.95	0.0382	70086.54	0.0325	70125	0.0202
70048.94	0.0423	70087.53	0.0371	70125.99	0.0186
70049.93	0.0468	70088.52	0.0358	70126.97	0.0208
70050.92	0.0522	70089.5	0.0379	70127.96	0.0186
70051.91	0.0538	70090.49	0.0361	70128.94	0.0188
70052.9	0.0617	70091.48	0.0356	70129.92	0.0178
70053.89	0.0654	70092.47	0.0355	70130.91	0.0185
70054.88	0.0766	70093.45	0.0311	70131.89	0.0192
70055.87	0.0880	70094.44	0.0319	70132.88	0.0201
70056.87	0.1049	70095.43	0.0287	70133.86	0.0209
70057.86	0.1180	70096.42	0.0282	70134.84	0.0230
70058.85	0.1300	70097.4	0.0235	70135.83	0.0237
70059.84	0.1358	70098.39	0.0222	70136.81	0.0253
70060.83	0.1363	70099.38	0.0194	70137.79	0.0265
70061.82	0.1347	70100.36	0.0211	70138.78	0.0270
70062.81	0.1271	70101.35	0.0188	70139.76	0.0259

Table S1. Continued

VUV photon energy	Intensity	VUV photon energy	Intensity	VUV photon energy	Intensity
70140.74	0.0269	70179.02	0.0180	70217.16	0.0418
70141.73	0.0272	70180	0.0175	70218.13	0.0431
70142.71	0.0270	70180.98	0.0182	70219.11	0.0442
70143.69	0.0268	70181.96	0.0199	70220.09	0.0537
70144.67	0.0255	70182.93	0.0194	70221.06	0.0572
70145.66	0.0255	70183.91	0.0214	70222.04	0.0683
70146.64	0.0250	70184.89	0.0215	70223.01	0.0746
70147.62	0.0269	70185.87	0.0229	70223.99	0.0794
70148.6	0.0273	70186.85	0.0230	70224.97	0.0846
70149.59	0.0278	70187.83	0.0246	70225.94	0.0807
70150.57	0.0277	70188.81	0.0235	70226.92	0.0818
70151.55	0.0298	70189.79	0.0257	70227.89	0.0778
70152.53	0.0279	70190.77	0.0223	70228.87	0.0699
70153.52	0.0291	70191.75	0.0217	70229.84	0.0625
70154.5	0.0307	70192.72	0.0216	70230.82	0.0577
70155.48	0.0293	70193.7	0.0232	70231.79	0.0496
70156.46	0.0291	70194.68	0.0229	70232.77	0.0453
70157.44	0.0292	70195.66	0.0245	70233.74	0.0460
70158.42	0.0263	70196.64	0.0225	70234.72	0.0424
70159.41	0.0266	70197.62	0.0213	70235.69	0.0394
70160.39	0.0253	70198.59	0.0190	70236.67	0.0374
70161.37	0.0259	70199.57	0.0214	70237.64	0.0309
70162.35	0.0247	70200.55	0.0213	70238.62	0.0295
70163.33	0.0267	70201.53	0.0211	70239.59	0.0286
70164.31	0.0273	70202.5	0.0207	70240.57	0.0291
70165.29	0.0249	70203.48	0.0208	70241.54	0.0321
70166.27	0.0264	70204.46	0.0208	70242.51	0.0314
70167.25	0.0265	70205.44	0.0218	70243.49	0.0337
70168.23	0.0266	70206.41	0.0222	70244.46	0.0344
70169.22	0.0243	70207.39	0.0235	70245.44	0.0382
70170.2	0.0240	70208.37	0.0250	70246.41	0.0405
70171.18	0.0236	70209.35	0.0270	70247.38	0.0422
70172.16	0.0216	70210.32	0.0262	70248.36	0.0462
70173.14	0.0199	70211.3	0.0284	70249.33	0.0503
70174.12	0.0194	70212.28	0.0292	70250.3	0.0540
70175.1	0.0172	70213.25	0.0293	70251.28	0.0613
70176.08	0.0187	70214.23	0.0325	70252.25	0.0617
70177.06	0.0171	70215.21	0.0355	70253.22	0.0749
70178.04	0.0182	70216.18	0.0361	70254.2	0.0830

Table S1. Continued

VUV photon energy	Intensity	VUV photon energy	Intensity	VUV photon energy	Intensity
70255.17	0.0926	70293.05	0.0182	70330.8	0.0233
70256.14	0.0929	70294.02	0.0196	70331.77	0.0214
70257.12	0.0918	70294.99	0.0201	70332.73	0.0226
70258.09	0.0860	70295.96	0.0213	70333.7	0.0217
70259.06	0.0843	70296.93	0.0226	70334.66	0.0212
70260.03	0.0741	70297.9	0.0225	70335.63	0.0189
70261.01	0.0618	70298.87	0.0227	70336.6	0.0123
70261.98	0.0494	70299.83	0.0249	70337.56	0.0065
70262.95	0.0437	70300.8	0.0258	70338.53	0.0166
70263.92	0.0353	70301.77	0.0253	70339.49	0.0160
70264.89	0.0312	70302.74	0.0247	70340.46	0.0118
70265.87	0.0295	70303.71	0.0252	70341.42	0.0167
70266.84	0.0257	70304.68	0.0270	70342.39	0.0183
70267.81	0.0245	70305.65	0.0244	70343.35	0.0218
70268.78	0.0260	70306.62	0.0246	70344.32	0.0213
70269.75	0.0247	70307.58	0.0309	70345.28	0.0203
70270.73	0.0231	70308.55	0.0301	70346.25	0.0216
70271.7	0.0230	70309.52	0.0243	70347.21	0.0225
70272.67	0.0248	70310.49	0.0306	70348.18	0.0225
70273.64	0.0268	70311.46	0.0351	70349.14	0.0206
70274.61	0.0256	70312.42	0.0393	70350.11	0.0208
70275.58	0.0232	70313.39	0.0391		
70276.55	0.0218	70314.36	0.0399		
70277.52	0.0229	70315.33	0.0406		
70278.5	0.0228	70316.3	0.0397		
70279.47	0.0223	70317.26	0.0424		
70280.44	0.0214	70318.23	0.0418		
70281.41	0.0205	70319.2	0.0447		
70282.38	0.0197	70320.17	0.0481		
70283.35	0.0219	70321.13	0.0469		
70284.32	0.0217	70322.1	0.0337		
70285.29	0.0208	70323.07	0.0453		
70286.26	0.0206	70324.03	0.0443		
70287.23	0.0223	70325	0.0354		
70288.2	0.0218	70325.97	0.0327		
70289.17	0.0148	70326.93	0.0295		
70290.14	0.0232	70327.9	0.0281		
70291.11	0.0217	70328.87	0.0259		
70292.08	0.0203	70329.83	0.0250		