

Electronic Supplementary Information (ESI) for the manuscript

Time Dependent Yield of the Hydrated Electron and the Hydroxyl Radical in D₂O, a Picosecond Pulse Radiolysis Study

Furong Wang¹, Uli Schmidhammer^{1, 3}, Jean-Philippe Larbre¹, Zizhao Zong², Jean-Louis Marignier¹ and Mehran Mostafavi^{1*}

¹ *Laboratoire de Chimie Physique, CNRS/Université Paris-Sud, Bât. 349, 91405 Orsay, France.*

² *Institut de Physique Nucléaire, CNRS/Université Paris-Sud, Bât. 100, 91400 Orsay, France.*

³ *Now in Teratronics SAS, 15 avenue Jean Perrin, 91400 Orsay, France.*

* mehran.mostafavi@u-psud.fr

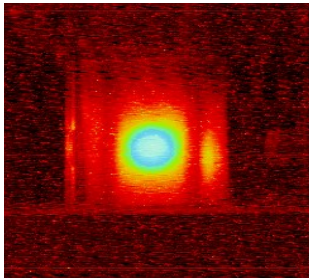
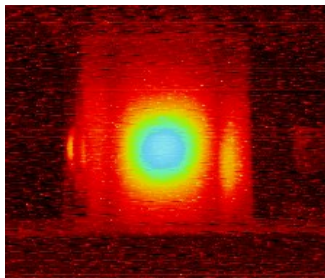
	Air filled FSOFC		Water filled FSOFC		The ratio of the electron beam surface on 2 nd FSOFC window
	1 st FSOFC window	2 nd FSOFC window	1 st FSOFC window	2 nd FSOFC window	
FWHM in the horizon / mm	4.4	4.4	4.4	5.5	1.62
FWHM in the vertical / mm	3.7	4.2	3.7	4.8	
The image of electron beam obtained on the lanex film					

Figure 1S. Full Width at half maximum in the horizon and vertical of the image of electron beam on the surface of the windows obtained by placing lanex film (Chromatic film made by KODAK) on the same positions on the first and second FSOFC window.

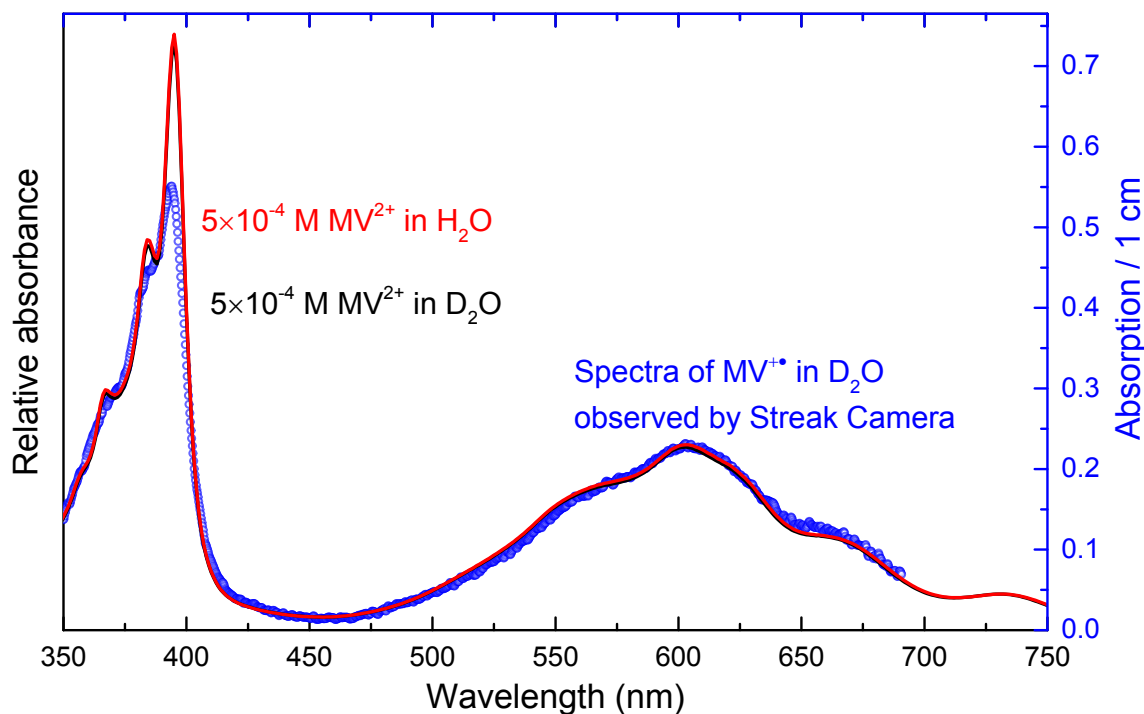


Figure 2S: **Left axis:** UV-Visible absorption spectra of $MV^{+•}$ in two solutions (containing 5×10^{-4} M MV^{2+} , 0.2 M Isopropanol and 2% Acetone in H_2O and D_2O , respectively) after irradiation by γ source. Isopropanol was used to scavenge hydroxyl radical and Acetone was used to slow down the reduction of $MV^{+•}$. The dose is 600 Gy. **Right axis:** The spectra of $MV^{+•}$ detected by Streak Camera in 5.5×10^{-4} mol L^{-1} methyl viologen/ D_2O (Containing 0.5 M tert-butanol to scavenge $OD^{\bullet}$). The dose was 54 Gy per pulse. It is clear that the spectra of $MV^{+•}$ in D_2O observed by Streak Camera from 400 to 650 nm fits well with the results obtained by γ source. The absorption band from 350 to 400 nm measured by Streak Camera is lower than that measured by γ source because the resolution of Streak camera is not enough high to detect the narrow peak of $MV^{+•}$ around 394 nm.

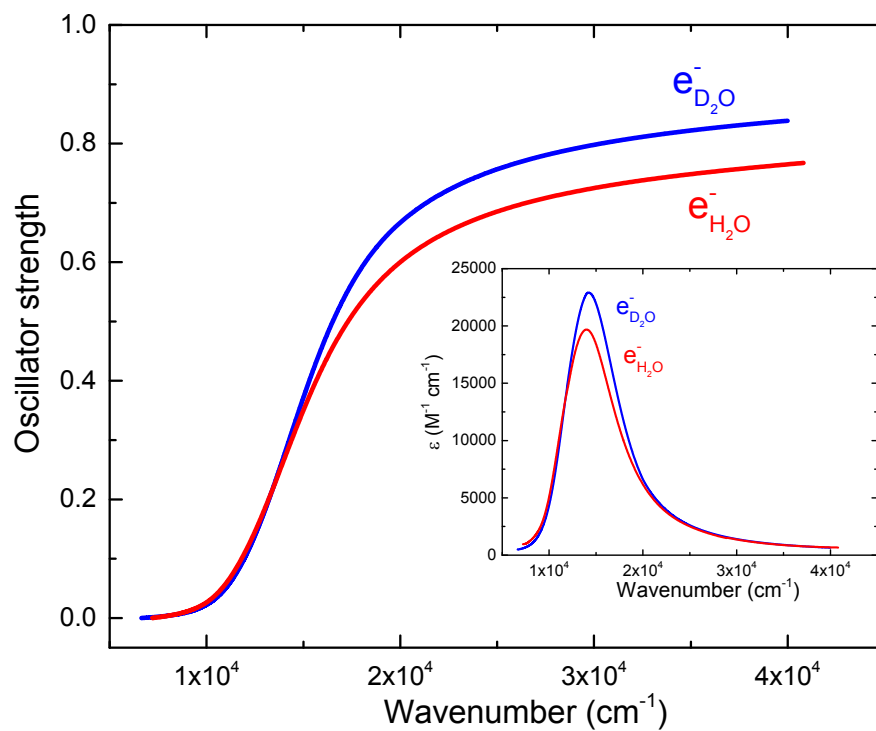


Figure 3S. The oscillator strength of the solvated electron in H_2O and D_2O as a function of wavenumber. The inset is the molar absorption coefficient spectra of the solvated electron in H_2O and D_2O .

Table 1S: Molar absorption coefficient of the hydrated electron in D₂O (250 to 1500 nm).

λ/nm	$\varepsilon/\text{M}^{-1}\text{cm}^{-1}$	λ/nm	$\varepsilon/\text{M}^{-1}\text{cm}^{-1}$	λ/nm	$\varepsilon/\text{M}^{-1}\text{cm}^{-1}$	λ/nm	$\varepsilon/\text{M}^{-1}\text{cm}^{-1}$
250.1	646.1	306.5	1093.0	363.0	1848.7	419.4	3127.0
251.0	652.0	307.5	1102.9	363.9	1865.5	420.4	3155.3
252.0	657.9	308.5	1113.0	364.9	1882.5	421.4	3183.8
253.0	663.9	309.4	1123.1	365.9	1899.6	422.4	3212.7
253.9	670.0	310.4	1133.3	366.9	1916.9	423.3	3241.7
254.9	676.1	311.4	1143.6	367.8	1934.4	424.3	3271.1
255.9	682.2	312.4	1154.0	368.8	1952.0	425.3	3300.7
256.9	688.4	313.3	1164.5	369.8	1969.7	426.2	3330.6
257.8	694.7	314.3	1175.1	370.8	1987.7	427.2	3360.7
258.8	701.0	315.3	1185.8	371.7	2005.7	428.2	3391.1
259.8	707.4	316.2	1196.6	372.7	2024.0	429.1	3421.8
260.8	713.8	317.2	1207.5	373.7	2042.4	430.1	3452.8
261.7	720.3	318.2	1218.5	374.6	2061.0	431.1	3484.0
262.7	726.9	319.2	1229.6	375.6	2079.8	432.0	3515.6
263.7	733.5	320.1	1240.8	376.6	2098.7	433.0	3547.4
264.7	740.2	321.1	1252.1	377.6	2117.8	434.0	3579.5
265.6	746.9	322.1	1263.5	378.5	2137.1	434.9	3611.9
266.6	753.7	323.1	1275.0	379.5	2156.5	435.9	3644.6
267.6	760.6	324.0	1286.6	380.5	2176.1	436.9	3677.5
268.5	767.5	325.0	1298.3	381.5	2195.9	437.8	3710.8
269.5	774.5	326.0	1310.1	382.4	2215.9	438.8	3744.4
270.5	781.6	327.0	1322.1	383.4	2236.1	439.8	3778.3
271.5	788.7	327.9	1334.1	384.4	2256.5	440.8	3812.5
272.4	795.9	328.9	1346.3	385.4	2277.0	441.7	3847.0
273.4	803.1	329.9	1358.5	386.3	2297.7	442.7	3881.8
274.4	810.4	330.8	1370.9	387.3	2318.6	443.7	3916.9
275.4	817.8	331.8	1383.4	388.3	2339.7	444.6	3952.4
276.3	825.2	332.8	1395.9	389.2	2361.0	445.6	3988.1
277.3	832.8	333.8	1408.7	390.2	2382.5	446.6	4024.2
278.3	840.3	334.7	1421.5	391.4	2407.8	447.5	4060.6
279.3	848.0	335.7	1434.4	392.3	2429.6	448.5	4097.4
280.2	855.7	336.7	1447.5	393.3	2451.6	449.5	4134.4
281.2	863.5	337.7	1460.7	394.3	2473.8	450.4	4171.9
282.2	871.4	338.6	1474.0	395.2	2496.2	451.4	4209.6
283.1	879.3	339.6	1487.4	396.2	2518.8	452.4	4247.7
284.1	887.3	340.6	1500.9	397.2	2541.6	453.3	4286.1
285.1	895.4	341.6	1514.6	398.1	2564.6	454.3	4324.9
286.1	903.5	342.5	1528.4	399.1	2587.9	455.3	4364.0
287.0	911.8	343.5	1542.3	400.1	2611.3	456.2	4403.5
288.0	920.1	344.5	1556.3	401.0	2634.9	457.2	4443.4
289.0	928.4	345.4	1570.5	402.0	2658.8	458.2	4483.6
290.0	936.9	346.4	1584.8	403.0	2682.8	459.2	4524.1
290.9	945.4	347.4	1599.2	403.9	2707.1	460.1	4565.1
291.9	954.0	348.4	1613.7	404.9	2731.6	461.1	4606.4
292.9	962.7	349.3	1628.4	405.9	2756.4	462.1	4648.0
293.9	971.5	350.3	1643.3	406.9	2781.3	463.0	4690.1
294.8	980.3	351.3	1658.2	407.8	2806.5	464.0	4732.5
295.8	989.3	352.3	1673.3	408.8	2831.9	465.0	4775.3
296.8	998.3	353.2	1688.5	409.8	2857.5	465.9	4818.5
297.8	1007.4	354.2	1703.9	410.7	2883.4	466.9	4862.1
298.7	1016.5	355.2	1719.4	411.7	2909.5	467.9	4906.1
299.7	1025.8	356.2	1735.1	412.7	2935.9	468.8	4950.5
300.7	1035.1	357.1	1750.9	413.6	2962.4	469.8	4995.3
301.6	1044.5	358.1	1766.8	414.6	2989.2	470.8	5040.4
302.6	1054.0	359.1	1782.9	415.6	3016.3	471.7	5086.0
303.6	1063.6	360.0	1799.1	416.5	3043.6	472.7	5132.0
304.6	1073.3	361.0	1815.5	417.5	3071.1	473.7	5178.4
305.5	1083.1	362.0	1832.0	418.5	3098.9	474.6	5225.3

λ/nm	$\varepsilon/\text{M}^{-1}\text{cm}^{-1}$	λ/nm	$\varepsilon/\text{M}^{-1}\text{cm}^{-1}$	λ/nm	$\varepsilon/\text{M}^{-1}\text{cm}^{-1}$	λ/nm	$\varepsilon/\text{M}^{-1}\text{cm}^{-1}$
475.6	5272.6	531.5	9168.6	587.3	14909.5	643.5	20439.2
476.6	5320.2	532.3	9239.6	588.3	15014.9	644.5	20515.1
477.6	5368.3	533.1	9311.5	589.3	15120.2	645.4	20589.9
478.5	5416.9	534.1	9400.8	590.2	15225.4	646.4	20663.9
479.5	5465.9	535.0	9490.6	591.2	15330.6	647.4	20736.8
480.5	5515.3	536.0	9580.9	592.2	15435.7	648.3	20808.7
481.4	5565.2	537.0	9671.9	593.1	15540.6	649.3	20879.5
482.4	5615.6	537.9	9763.2	594.1	15645.4	650.3	20949.4
483.4	5666.3	538.9	9855.1	595.1	15750.1	651.2	21018.2
484.3	5717.6	539.9	9947.5	596.0	15854.5	652.2	21085.9
485.3	5769.3	540.8	10040.5	597.0	15958.8	653.2	21152.5
486.3	5821.5	541.8	10133.9	598.0	16062.9	654.1	21218.1
487.2	5874.1	542.8	10227.7	598.9	16166.9	655.1	21282.5
488.2	5927.2	543.7	10322.2	599.9	16270.5	656.1	21345.8
489.2	5980.8	544.7	10417.0	600.9	16373.9	657.0	21408.1
490.1	6034.9	545.7	10512.3	601.8	16477.1	658.0	21469.1
491.1	6089.5	546.6	10608.0	602.8	16580.0	659.1	21536.7
492.1	6144.5	547.6	10704.3	603.8	16682.6	660.1	21595.3
493.0	6200.1	548.6	10800.9	604.7	16784.8	661.0	21652.7
494.0	6256.2	549.5	10897.9	605.7	16886.9	662.0	21708.9
495.0	6312.7	550.5	10995.5	606.7	16988.5	663.0	21764.0
496.0	6369.8	551.5	11093.4	607.7	17089.7	663.9	21817.8
496.9	6427.4	552.5	11191.6	608.6	17190.7	664.9	21870.4
497.9	6485.5	553.4	11290.3	609.6	17291.2	665.9	21921.8
498.9	6544.1	554.4	11389.5	610.6	17391.3	666.9	21971.9
499.6	6585.1	555.4	11488.9	611.5	17490.9	667.8	22020.8
500.5	6653.4	556.3	11588.7	612.5	17590.3	668.8	22068.4
501.5	6722.3	557.3	11689.0	613.5	17689.0	669.8	22114.8
502.5	6791.9	558.3	11789.5	614.4	17787.4	670.7	22159.9
503.4	6862.1	559.2	11890.3	615.4	17885.2	671.7	22203.7
504.4	6932.9	560.2	11991.5	616.4	17982.6	672.7	22246.2
505.4	7004.4	561.2	12093.0	617.3	18079.4	673.6	22287.4
506.3	7076.6	562.1	12194.8	618.3	18175.7	674.6	22327.2
507.3	7149.3	563.1	12296.9	619.3	18271.5	675.6	22365.8
508.3	7222.7	564.1	12399.3	620.2	18366.6	676.5	22403.0
509.2	7296.8	565.0	12502.0	621.2	18461.2	677.5	22438.9
510.2	7371.4	566.0	12604.9	622.2	18555.2	678.5	22473.5
511.2	7446.7	567.0	12708.0	623.1	18648.6	679.4	22506.7
512.2	7522.6	567.9	12811.5	624.1	18741.3	680.4	22538.5
513.1	7599.1	568.9	12915.1	625.1	18833.4	681.4	22569.0
514.1	7676.3	569.9	13018.9	626.1	18924.9	682.3	22598.1
515.1	7754.1	570.9	13123.0	627.0	19015.6	683.3	22625.8
516.0	7832.5	571.8	13227.2	628.0	19105.7	684.3	22652.2
517.0	7911.5	572.8	13331.5	629.0	19195.0	685.3	22677.1
518.0	7991.2	573.8	13436.1	629.9	19283.7	686.2	22700.7
518.9	8071.4	574.7	13540.8	630.9	19371.5	687.2	22722.9
519.9	8152.3	575.7	13645.7	631.9	19458.6	688.2	22743.6
520.9	8233.8	576.7	13750.6	632.8	19545.0	689.1	22763.0
521.8	8315.8	577.6	13855.6	633.8	19630.5	690.1	22781.0
522.8	8398.4	578.6	13960.9	634.8	19715.3	691.1	22797.5
523.8	8481.7	579.6	14066.1	635.7	19799.2	692.0	22812.7
524.7	8565.6	580.5	14171.4	636.7	19882.3	693.0	22826.4
525.7	8650.0	581.5	14276.9	637.7	19964.5	694.0	22838.7
526.7	8734.9	582.5	14382.3	638.6	20045.9	694.9	22849.5
527.6	8820.6	583.4	14487.7	639.6	20126.4	695.6	22856.2
528.6	8906.7	584.4	14593.1	640.6	20206.0	696.6	22869.3
529.6	8993.4	585.4	14698.7	641.5	20284.6	697.6	22880.2
530.6	9080.8	586.3	14804.1	642.5	20362.4	698.5	22888.9

λ/nm	$\mathcal{E}/\text{M}^{-1}\text{cm}^{-1}$	λ/nm	$\mathcal{E}/\text{M}^{-1}\text{cm}^{-1}$	λ/nm	$\mathcal{E}/\text{M}^{-1}\text{cm}^{-1}$	λ/nm	$\mathcal{E}/\text{M}^{-1}\text{cm}^{-1}$
699.5	22895.8	755.4	21028.5	811.6	16972.9	871.0	12025.4
700.5	22901.0	756.4	20970.6	812.6	16895.3	872.0	11942.3
701.5	22904.7	757.4	20912.2	813.5	16817.5	873.0	11859.1
702.4	22907.2	758.3	20853.2	814.5	16739.6	874.1	11776.0
703.4	22908.6	759.3	20793.7	815.5	16661.6	875.1	11692.9
704.4	22909.0	760.3	20733.5	816.4	16583.6	876.1	11609.8
705.3	22908.6	761.2	20672.8	817.4	16505.5	877.2	11526.7
706.3	22907.1	762.2	20611.6	818.4	16427.2	878.2	11443.7
707.3	22904.6	763.2	20549.8	819.3	16349.0	879.2	11360.7
708.2	22900.9	764.1	20487.5	820.3	16270.6	880.3	11277.8
709.2	22895.7	765.1	20424.8	821.3	16192.2	881.3	11194.9
710.2	22888.8	766.1	20361.5	822.2	16113.8	882.4	11112.1
711.1	22880.0	767.0	20297.6	823.2	16035.3	883.4	11029.4
712.1	22869.2	768.0	20233.3	824.2	15956.8	884.5	10946.8
712.8	22856.5	769.0	20168.6	825.1	15878.2	885.5	10864.3
713.8	22833.2	769.9	20103.3	826.1	15799.7	886.6	10781.9
714.7	22809.0	770.9	20037.6	827.1	15721.1	887.6	10699.6
715.7	22783.7	771.9	19971.4	828.1	15642.5	888.7	10617.4
716.7	22757.6	772.9	19904.8	829.0	15563.9	889.8	10535.4
717.7	22730.5	773.8	19837.7	830.0	15485.3	890.8	10453.5
718.6	22702.4	774.8	19770.3	831.0	15406.7	891.9	10371.8
719.6	22673.5	775.8	19702.4	831.9	15328.1	893.0	10290.2
720.6	22643.6	776.7	19634.1	832.9	15249.6	894.1	10208.8
721.5	22612.8	777.7	19565.4	833.9	15171.1	895.1	10127.5
722.5	22581.1	778.7	19496.3	834.8	15092.6	896.2	10046.4
723.5	22548.6	779.6	19426.8	835.8	15014.1	897.3	9965.5
724.4	22515.1	780.6	19356.9	836.8	14935.7	898.4	9884.9
725.4	22480.8	781.6	19286.7	837.7	14857.3	899.5	9804.4
726.4	22445.6	782.5	19216.2	838.7	14778.9	900.6	9724.1
727.3	22409.6	783.5	19145.2	839.7	14700.7	901.7	9644.0
728.3	22372.7	784.5	19073.9	840.8	14619.2	902.8	9564.2
729.3	22334.9	785.4	19002.3	842.2	14404.4	903.9	9484.6
730.2	22296.3	786.4	18930.4	843.6	14289.2	905.0	9405.2
731.2	22256.9	787.4	18858.1	845.0	14173.4	906.1	9326.1
732.2	22216.7	788.3	18785.6	846.4	14057.2	907.2	9247.3
733.2	22175.6	789.3	18712.8	847.8	13940.6	908.3	9168.7
734.1	22133.8	790.3	18639.7	849.2	13823.5	909.4	9090.3
735.1	22091.2	791.3	18566.2	850.6	13706.0	910.5	9012.3
736.1	22047.8	792.2	18492.5	851.0	13674.3	911.6	8934.5
737.0	22003.6	793.2	18418.6	852.0	13593.0	912.8	8857.0
738.0	21958.6	794.2	18344.3	853.0	13511.5	913.9	8779.8
739.0	21912.9	795.1	18269.8	854.0	13429.9	915.0	8702.9
739.9	21866.5	796.1	18195.1	854.9	13348.1	916.1	8626.4
740.9	21819.3	797.1	18120.2	855.9	13266.2	917.3	8550.1
741.9	21771.4	798.0	18045.0	856.9	13184.1	918.4	8474.1
742.8	21722.7	799.0	17969.6	857.9	13102.0	919.5	8398.5
743.8	21673.3	800.0	17894.0	858.9	13019.6	920.7	8323.2
744.8	21623.3	800.9	17818.1	859.9	12937.2	921.8	8248.2
745.7	21572.5	801.9	17742.1	860.9	12854.7	923.0	8173.6
746.7	21521.0	802.9	17666.0	861.9	12772.1	924.1	8099.3
747.7	21468.9	803.8	17589.6	862.9	12689.3	925.3	8025.4
748.6	21416.1	804.8	17513.0	863.9	12606.5	926.4	7951.8
749.6	21362.6	805.8	17436.3	864.9	12523.7	927.6	7878.6
750.6	21308.5	806.7	17359.5	865.9	12440.7	928.7	7805.8
751.5	21253.8	807.7	17282.4	866.9	12357.7	929.9	7733.3
752.5	21198.4	808.7	17205.2	867.9	12274.7	931.1	7661.2
753.5	21142.3	809.7	17128.0	868.9	12191.6	932.2	7589.5
754.5	21085.7	810.6	17050.5	870.0	12108.5	933.4	7518.2

λ/nm	$\mathcal{E}/\text{M}^{-1}\text{cm}^{-1}$	λ/nm	$\mathcal{E}/\text{M}^{-1}\text{cm}^{-1}$	λ/nm	$\mathcal{E}/\text{M}^{-1}\text{cm}^{-1}$	λ/nm	$\mathcal{E}/\text{M}^{-1}\text{cm}^{-1}$
934.6	7447.2	1008.2	4080.0	1094.4	2134.0	1196.8	1162.3
935.8	7376.7	1009.6	4035.3	1096.0	2110.5	1198.7	1151.1
936.9	7306.5	1011.0	3991.0	1097.7	2087.3	1200.6	1140.2
938.1	7236.8	1012.3	3947.1	1099.3	2064.3	1202.6	1129.3
939.3	7167.4	1013.7	3903.7	1100.9	2041.7	1204.5	1118.6
940.5	7098.5	1015.1	3860.6	1102.6	2019.3	1206.5	1108.1
941.7	7030.0	1016.5	3818.1	1104.2	1997.2	1208.5	1097.6
942.9	6961.9	1017.9	3775.9	1105.8	1975.4	1210.4	1087.4
944.1	6894.2	1019.3	3734.2	1107.5	1953.9	1212.4	1077.2
945.3	6826.9	1020.7	3692.9	1109.1	1932.6	1214.4	1067.2
946.5	6760.1	1022.1	3652.0	1110.8	1911.6	1216.4	1057.4
947.7	6693.6	1023.5	3611.5	1112.5	1890.8	1218.4	1047.6
948.9	6627.7	1024.9	3571.4	1114.1	1870.3	1220.4	1038.0
950.1	6562.1	1026.3	3531.8	1115.8	1850.1	1222.4	1028.6
951.4	6497.0	1027.8	3492.6	1117.5	1830.1	1224.4	1019.2
952.6	6432.3	1029.2	3453.8	1119.2	1810.3	1226.4	1010.0
953.8	6368.1	1030.6	3415.3	1120.9	1790.8	1228.5	1000.9
955.0	6304.3	1032.0	3377.3	1122.6	1771.5	1230.5	991.9
956.3	6240.9	1033.5	3339.7	1124.3	1752.5	1232.5	983.1
957.5	6178.0	1034.9	3302.5	1126.0	1733.8	1234.6	974.3
958.7	6115.5	1036.4	3265.7	1127.7	1715.2	1236.6	965.7
960.0	6053.5	1037.8	3229.3	1129.4	1696.9	1238.7	957.2
961.2	5992.0	1039.3	3193.3	1131.1	1678.8	1240.8	948.8
962.5	5930.8	1040.7	3157.6	1132.8	1661.0	1242.9	940.6
963.7	5870.2	1042.2	3122.4	1134.6	1643.4	1244.9	932.4
965.0	5810.0	1043.6	3087.5	1136.3	1626.0	1247.0	924.4
966.2	5750.2	1045.1	3053.0	1138.1	1608.8	1249.1	916.4
967.5	5690.9	1046.6	3018.9	1139.8	1591.8	1251.2	908.6
968.7	5632.1	1048.1	2985.2	1141.6	1575.1	1253.3	900.9
970.0	5573.7	1049.6	2951.8	1143.3	1558.6	1255.5	893.3
971.3	5515.8	1051.0	2918.8	1145.1	1542.3	1257.6	885.8
972.5	5458.4	1052.5	2886.2	1146.8	1526.2	1259.7	878.4
973.8	5401.4	1054.0	2853.9	1148.6	1510.3	1261.9	871.0
975.1	5344.8	1055.5	2822.1	1150.4	1494.6	1264.0	863.8
976.4	5288.8	1057.0	2790.5	1152.2	1479.1	1266.2	856.7
977.7	5233.1	1058.5	2759.3	1154.0	1463.8	1268.3	849.7
979.0	5178.0	1060.0	2728.5	1155.8	1448.7	1270.5	842.8
980.3	5123.3	1061.6	2698.0	1157.6	1433.8	1272.7	836.0
981.5	5069.0	1063.1	2667.9	1159.4	1419.1	1274.9	829.2
982.8	5015.3	1064.6	2638.1	1161.2	1404.6	1277.1	822.6
984.2	4962.0	1066.1	2608.7	1163.0	1390.3	1279.3	816.1
985.5	4909.1	1067.7	2579.6	1164.8	1376.1	1281.5	809.6
986.8	4856.7	1069.2	2550.8	1166.7	1362.2	1283.7	803.2
988.1	4804.8	1070.7	2522.4	1168.5	1348.4	1285.9	796.9
989.4	4753.3	1072.3	2494.3	1170.3	1334.8	1288.1	790.8
990.7	4702.3	1073.8	2466.5	1172.2	1321.4	1290.4	784.6
992.0	4651.7	1075.4	2439.1	1174.1	1308.2	1292.6	778.6
993.4	4601.6	1077.0	2411.9	1175.9	1295.1	1294.9	772.7
994.7	4551.9	1078.5	2385.1	1177.8	1282.2	1297.1	766.8
996.0	4502.7	1080.1	2358.6	1179.6	1269.5	1299.4	761.0
997.4	4454.0	1081.7	2332.5	1181.5	1256.9	1301.7	755.3
998.7	4405.7	1083.2	2306.6	1183.4	1244.5	1304.0	749.7
1000.1	4357.8	1084.8	2281.0	1185.3	1232.3	1306.3	744.2
1001.4	4310.4	1086.4	2255.8	1187.2	1220.2	1308.6	738.7
1002.8	4263.4	1088.0	2230.8	1189.1	1208.3	1310.9	733.3
1004.1	4216.9	1089.6	2206.2	1191.0	1196.6	1313.2	728.0
1005.5	4170.9	1091.2	2181.8	1192.9	1185.0	1315.5	722.8
1006.8	4125.2	1092.8	2157.7	1194.8	1173.6	1317.9	717.6

λ/nm	$\mathcal{E}/\text{M}^{-1}\text{cm}^{-1}$	λ/nm	$\mathcal{E}/\text{M}^{-1}\text{cm}^{-1}$
1320.2	712.5	1472.1	511.6
1322.6	707.5	1475.0	509.4
1324.9	702.5	1477.9	507.2
1327.3	697.6	1480.9	505.0
1329.7	692.8	1483.8	502.9
1332.1	688.0	1486.8	500.8
1334.5	683.3	1489.8	498.7
1336.9	678.7	1492.8	496.7
1339.3	674.2	1495.8	494.7
1341.7	669.7	1498.8	492.7
1344.1	665.2	1501.9	490.8
346.6	660.9	1504.9	488.8
1349.0	656.6		
1351.5	652.3		
1353.9	648.1		
1356.4	644.0		
1358.9	639.9		
1361.4	635.9		
1363.9	631.9		
1366.4	628.0		
1368.9	624.2		
1371.4	620.4		
1374.0	616.6		
1376.5	612.9		
1379.1	609.3		
1381.7	605.7		
1384.2	602.1		
1386.8	598.6		
1389.4	595.2		
1392.0	591.8		
1394.6	588.5		
1397.3	585.2		
1399.9	581.9		
1402.5	578.7		
1405.2	575.5		
1407.9	572.4		
1410.5	569.3		
1413.2	566.3		
1415.9	563.3		
1418.6	560.4		
1421.3	557.5		
1424.1	554.6		
1426.8	551.8		
1429.5	549.0		
1432.3	546.2		
1435.1	543.5		
1437.9	540.9		
1440.6	538.2		
1443.4	535.6		
1446.3	533.1		
1449.1	530.5		
1451.9	528.1		
1454.8	525.6		
1457.6	523.2		
1460.5	520.8		
1463.4	518.5		
1466.3	516.1		
1469.2	513.9		

