

Table 1: 2H , 3H and 3He Cross Section and Rates for d/u Extraction with **BigBite**. A $W^2 > 4$ cut is applied when calculating the rate ($W^2 > 3$ when $x > 0.75$). 25 cm Target Length is set. 4.5% momentum cut is applied. F2ALLM97 model is used.

	x_{bj} ($x_{bj^{avg}}$)	W^2 (GeV^2)	Q^2 (GeV^2)	E' (GeV)	θ (Deg)	σ_{H2} (nb/s /GeV)	σ_{H3} (nb/sr /GeV)	σ_{He3} (nb/sr /GeV)	H2 Rate &Hour Hz(Hour)	H3 Rate &Hour Hz(Hour)	He3 Rate &Hour Hz(Hour)	Total Hour
BB	0.59(0.61)	7.14	9.01	2.87	31.00	0.3139	0.4166	0.5251	20.548(0.34)	11.875(0.58)	21.484(0.32)	1.25
BB	0.63(0.65)	6.43	9.45	3.01	31.00	0.2502	0.3298	0.4208	16.887(0.41)	9.693(0.72)	17.752(0.39)	1.52
BB	0.67(0.67)	5.75	9.88	3.14	31.00	0.2112	0.2766	0.3571	13.762(0.50)	7.848(0.88)	14.541(0.48)	1.87
BB	0.71(0.69)	5.08	10.29	3.28	31.00	0.1842	0.2396	0.3129	10.957(0.63)	6.208(1.12)	11.636(0.60)	2.35
BB	0.75(0.70)	4.44	10.69	3.40	31.00	0.1611	0.2082	0.2751	8.553(0.81)	4.814(1.44)	9.128(0.76)	3.02
BB	0.79(0.72)	3.83	11.08	3.53	31.00	0.1416	0.1819	0.2429	6.614(1.05)	3.699(1.88)	7.093(0.98)	3.91
BB	0.83(0.73)	3.23	11.46	3.65	31.00	0.1235	0.1575	0.2128	4.977(1.40)	2.766(2.51)	5.363(1.29)	5.20
BB	0.85(0.74)	2.93	11.64	3.70	31.00	0.1130	0.1437	0.1954	4.231(1.64)	2.343(2.96)	4.572(1.52)	6.12
BB	0.87(0.75)	2.65	11.82	3.76	31.00	0.1066	0.1351	0.1846	3.649(1.90)	2.015(3.45)	3.951(1.76)	7.11
BB	0.89(0.75)	2.36	12.00	3.82	31.00	0.0996	0.1258	0.1729	3.106(2.24)	1.710(4.06)	3.371(2.06)	8.36

	x_{bj} ($x_{bj^{avg}}$)	W^2 (GeV^2)	Q^2 (GeV^2)	E' (GeV)	θ (Deg)	σ_{H2} (nb/s /GeV)	σ_{H3} (nb/sr /GeV)	σ_{He3} (nb/sr /GeV)	H2 Rate &Hour Hz(Hour)	H3 Rate &Hour Hz(Hour)	He3 Rate &Hour Hz(Hour)	Total Hour
BB	0.59(0.61)	7.24	9.15	2.74	32.00	0.2812	0.3729	0.4706	17.577(0.40)	10.151(0.68)	18.388(0.38)	1.46
BB	0.63(0.65)	6.52	9.61	2.87	32.00	0.2208	0.2907	0.3716	14.350(0.48)	8.230(0.84)	15.095(0.46)	1.79
BB	0.67(0.68)	5.83	10.05	3.01	32.00	0.1822	0.2382	0.3082	11.576(0.60)	6.594(1.05)	12.242(0.57)	2.22
BB	0.71(0.69)	5.16	10.48	3.13	32.00	0.1578	0.2051	0.2684	9.157(0.76)	5.182(1.34)	9.733(0.71)	2.81
BB	0.75(0.71)	4.51	10.89	3.26	32.00	0.1367	0.1764	0.2336	7.120(0.98)	4.002(1.74)	7.606(0.91)	3.62
BB	0.79(0.72)	3.88	11.30	3.38	32.00	0.1192	0.1529	0.2048	5.454(1.27)	3.046(2.28)	5.855(1.19)	4.74
BB	0.83(0.74)	3.27	11.69	3.50	32.00	0.1037	0.1321	0.1789	4.100(1.69)	2.275(3.05)	4.422(1.57)	6.32
BB	0.85(0.74)	2.98	11.88	3.55	32.00	0.0963	0.1223	0.1666	3.490(1.99)	1.930(3.60)	3.774(1.84)	7.43
BB	0.87(0.75)	2.68	12.07	3.61	32.00	0.0889	0.1125	0.1541	2.965(2.34)	1.635(4.25)	3.214(2.16)	8.75
BB	0.89(0.76)	2.39	12.25	3.66	32.00	0.0828	0.1044	0.1439	2.502(2.78)	1.375(5.05)	2.718(2.56)	10.38

	x_{bj} ($x_{bj^{avg}}$)	W^2 (GeV^2)	Q^2 (GeV^2)	E' (GeV)	θ (Deg)	σ_{H2} (nb/s /GeV)	σ_{H3} (nb/sr /GeV)	σ_{He3} (nb/sr /GeV)	H2 Rate &Hour Hz(Hour)	H3 Rate &Hour Hz(Hour)	He3 Rate &Hour Hz(Hour)	Total Hour
BB	0.59(0.61)	7.33	9.28	2.62	33.00	0.2512	0.3328	0.4207	15.006(0.46)	8.660(0.80)	15.708(0.44)	1.71
BB	0.63(0.65)	6.61	9.76	2.75	33.00	0.1968	0.2590	0.3315	12.303(0.56)	7.050(0.99)	12.950(0.54)	2.09
BB	0.67(0.68)	5.91	10.21	2.88	33.00	0.1594	0.2083	0.2700	9.853(0.70)	5.607(1.24)	10.427(0.67)	2.61
BB	0.71(0.70)	5.23	10.66	3.00	33.00	0.1355	0.1759	0.2307	7.736(0.90)	4.372(1.59)	8.229(0.84)	3.33
BB	0.75(0.71)	4.58	11.09	3.12	33.00	0.1171	0.1510	0.2003	5.968(1.16)	3.351(2.07)	6.381(1.09)	4.32
BB	0.79(0.73)	3.94	11.50	3.24	33.00	0.1010	0.1293	0.1736	4.527(1.53)	2.525(2.75)	4.865(1.43)	5.71
BB	0.83(0.74)	3.32	11.91	3.35	33.00	0.0868	0.1105	0.1501	3.361(2.07)	1.862(3.73)	3.630(1.91)	7.71
BB	0.85(0.75)	3.02	12.11	3.41	33.00	0.0804	0.1019	0.1393	2.873(2.42)	1.586(4.38)	3.111(2.23)	9.03
BB	0.87(0.76)	2.72	12.30	3.47	33.00	0.0742	0.0938	0.1288	2.421(2.87)	1.332(5.21)	2.627(2.64)	10.72
BB	0.89(0.76)	2.42	12.49	3.52	33.00	0.0692	0.0872	0.1204	2.031(3.42)	1.114(6.23)	2.209(3.14)	12.79

Table 2: 2H , 3H and 3He Cross Section and Rates for d/u Extraction with **BigBite**. A $W^2 > 4$ cut is applied when calculating the rate ($W^2 > 3$ when $x > 0.75$). 25 cm Target Length is set. 4.5% momentum cut is applied. F2ALLM97 model is used.

	x_{bj} (x_{bj}^{avg})	W^2 (GeV^2)	Q^2 (GeV^2)	E' (GeV)	θ (Deg)	σ_{H2} (nb/s /GeV)	σ_{H3} (nb/sr /GeV)	σ_{He3} (nb/sr /GeV)	H2 Rate &Hour Hz(Hour)	H3 Rate &Hour Hz(Hour)	He3 Rate &Hour Hz(Hour)	Total Hour
BB	0.59(0.61)	7.42	9.41	2.50	34.00	0.2274	0.3011	0.3810	12.993(0.53)	7.494(0.93)	13.607(0.51)	1.97
BB	0.63(0.65)	6.69	9.89	2.63	34.00	0.1758	0.2311	0.2963	10.546(0.66)	6.038(1.15)	11.108(0.63)	2.43
BB	0.67(0.68)	5.99	10.37	2.76	34.00	0.1398	0.1825	0.2369	8.394(0.83)	4.772(1.46)	8.890(0.78)	3.06
BB	0.71(0.70)	5.30	10.82	2.88	34.00	0.1178	0.1527	0.2006	6.581(1.06)	3.716(1.87)	7.007(0.99)	3.92
BB	0.75(0.72)	4.64	11.27	3.00	34.00	0.1011	0.1302	0.1732	5.044(1.38)	2.829(2.45)	5.398(1.29)	5.12
BB	0.79(0.73)	3.99	11.70	3.11	34.00	0.0870	0.1113	0.1497	3.817(1.82)	2.126(3.27)	4.106(1.69)	6.78
BB	0.83(0.75)	3.36	12.12	3.22	34.00	0.0737	0.0936	0.1274	2.786(2.49)	1.541(4.51)	3.012(2.31)	9.30
BB	0.85(0.75)	3.05	12.32	3.28	34.00	0.0682	0.0864	0.1183	2.374(2.92)	1.309(5.31)	2.573(2.70)	10.93
BB	0.87(0.76)	2.75	12.52	3.33	34.00	0.0629	0.0793	0.1093	1.997(3.48)	1.097(6.33)	2.169(3.20)	13.01
BB	0.89(0.77)	2.45	12.72	3.38	34.00	0.0580	0.0730	0.1011	1.661(4.18)	0.910(7.63)	1.809(3.84)	15.65

	x_{bj} (x_{bj}^{avg})	W^2 (GeV^2)	Q^2 (GeV^2)	E' (GeV)	θ (Deg)	σ_{H2} (nb/s /GeV)	σ_{H3} (nb/sr /GeV)	σ_{He3} (nb/sr /GeV)	H2 Rate &Hour Hz(Hour)	H3 Rate &Hour Hz(Hour)	He3 Rate &Hour Hz(Hour)	Total Hour
BB	0.59(0.61)	7.50	9.53	2.39	35.00	0.2059	0.2725	0.3452	11.262(0.62)	6.491(1.07)	11.801(0.59)	2.27
BB	0.63(0.65)	6.77	10.03	2.52	35.00	0.1590	0.2090	0.2682	9.148(0.76)	5.234(1.33)	9.640(0.72)	2.81
BB	0.67(0.68)	6.06	10.51	2.64	35.00	0.1243	0.1622	0.2108	7.248(0.96)	4.117(1.69)	7.681(0.90)	3.55
BB	0.71(0.70)	5.36	10.98	2.76	35.00	0.1025	0.1327	0.1747	5.595(1.24)	3.156(2.20)	5.962(1.16)	4.61
BB	0.75(0.72)	4.69	11.44	2.87	35.00	0.0880	0.1133	0.1509	4.304(1.61)	2.411(2.88)	4.610(1.51)	6.00
BB	0.79(0.73)	4.04	11.88	2.99	35.00	0.0752	0.0961	0.1296	3.221(2.16)	1.792(3.88)	3.467(2.00)	8.03
BB	0.83(0.75)	3.40	12.31	3.09	35.00	0.0634	0.0804	0.1097	2.342(2.96)	1.294(5.37)	2.535(2.74)	11.07
BB	0.85(0.76)	3.09	12.52	3.15	35.00	0.0585	0.0739	0.1015	1.991(3.49)	1.097(6.33)	2.160(3.22)	13.04
BB	0.87(0.76)	2.78	12.73	3.20	35.00	0.0536	0.0675	0.0932	1.662(4.18)	0.912(7.62)	1.807(3.84)	15.64
BB	0.89(0.77)	2.48	12.94	3.25	35.00	0.0492	0.0618	0.0859	1.383(5.02)	0.756(9.18)	1.507(4.61)	18.82

	x_{bj} (x_{bj}^{avg})	W^2 (GeV^2)	Q^2 (GeV^2)	E' (GeV)	θ (Deg)	σ_{H2} (nb/s /GeV)	σ_{H3} (nb/sr /GeV)	σ_{He3} (nb/sr /GeV)	H2 Rate &Hour Hz(Hour)	H3 Rate &Hour Hz(Hour)	He3 Rate &Hour Hz(Hour)	Total Hour
BB	0.59(0.60)	7.58	9.64	2.29	36.00	0.1883	0.2490	0.3158	9.865(0.70)	5.683(1.22)	10.341(0.67)	2.60
BB	0.63(0.65)	6.84	10.15	2.42	36.00	0.1433	0.1882	0.2418	7.908(0.88)	4.521(1.54)	8.339(0.83)	3.25
BB	0.67(0.68)	6.12	10.64	2.53	36.00	0.1104	0.1438	0.1873	6.233(1.11)	3.537(1.96)	6.610(1.05)	4.13
BB	0.71(0.71)	5.43	11.13	2.65	36.00	0.0903	0.1168	0.1540	4.844(1.43)	2.729(2.54)	5.165(1.34)	5.32
BB	0.75(0.72)	4.75	11.60	2.76	36.00	0.0771	0.0991	0.1322	3.699(1.88)	2.070(3.35)	3.965(1.75)	6.98
BB	0.79(0.74)	4.08	12.05	2.87	36.00	0.0648	0.0827	0.1118	2.729(2.54)	1.517(4.58)	2.941(2.36)	9.48
BB	0.83(0.75)	3.44	12.50	2.97	36.00	0.0549	0.0695	0.0951	1.985(3.50)	1.095(6.34)	2.150(3.23)	13.07
BB	0.85(0.76)	3.12	12.72	3.03	36.00	0.0502	0.0634	0.0872	1.656(4.19)	0.911(7.63)	1.798(3.86)	15.68
BB	0.87(0.77)	2.81	12.93	3.08	36.00	0.0460	0.0579	0.0802	1.395(4.98)	0.764(9.08)	1.518(4.57)	18.64
BB	0.89(0.77)	2.51	13.15	3.13	36.00	0.0422	0.0529	0.0736	1.154(6.02)	0.630(11.02)	1.259(5.52)	22.56

Table 3: 2H , 3H and 3He Cross Section and Rates for d/u Extraction with **BigBite**. A $W^2 > 4$ cut is applied when calculating the rate ($W^2 > 3$ when $x > 0.75$). 25 cm Target Length is set. 4.5% momentum cut is applied. F2ALLM97 model is used.

	x_{bj} ($x_{bj^{avg}}$)	W^2 (GeV^2)	Q^2 (GeV^2)	E' (GeV)	θ (Deg)	σ_{H2} (nb/s /GeV)	σ_{H3} (nb/sr /GeV)	σ_{He3} (nb/sr /GeV)	H2 Rate &Hour Hz(Hour)	H3 Rate &Hour Hz(Hour)	He3 Rate &Hour Hz(Hour)	Total Hour
BB	0.59(0.60)	7.65	9.74	2.20	37.00	0.1719	0.2273	0.2885	8.638(0.80)	4.973(1.40)	9.059(0.77)	2.97
BB	0.63(0.65)	6.91	10.27	2.32	37.00	0.1304	0.1710	0.2201	6.899(1.01)	3.942(1.76)	7.279(0.95)	3.72
BB	0.67(0.68)	6.19	10.77	2.43	37.00	0.1001	0.1304	0.1699	5.472(1.27)	3.104(2.24)	5.806(1.20)	4.70
BB	0.71(0.71)	5.48	11.27	2.54	37.00	0.0806	0.1042	0.1376	4.224(1.64)	2.378(2.92)	4.507(1.54)	6.11
BB	0.75(0.73)	4.80	11.75	2.65	37.00	0.0676	0.0868	0.1161	3.178(2.19)	1.776(3.91)	3.408(2.04)	8.13
BB	0.79(0.74)	4.13	12.22	2.76	37.00	0.0567	0.0723	0.0979	2.332(2.98)	1.294(5.36)	2.515(2.76)	11.10
BB	0.83(0.76)	3.48	12.68	2.86	37.00	0.0478	0.0604	0.0828	1.688(4.11)	0.931(7.46)	1.830(3.79)	15.37
BB	0.85(0.76)	3.16	12.90	2.91	37.00	0.0434	0.0548	0.0755	1.403(4.95)	0.771(9.01)	1.525(4.55)	18.52
BB	0.87(0.77)	2.84	13.12	2.96	37.00	0.0396	0.0498	0.0690	1.165(5.96)	0.637(10.90)	1.269(5.47)	22.33
BB	0.89(0.78)	2.53	13.34	3.01	37.00	0.0362	0.0453	0.0632	0.953(7.29)	0.520(13.36)	1.041(6.67)	27.31

	x_{bj} ($x_{bj^{avg}}$)	W^2 (GeV^2)	Q^2 (GeV^2)	E' (GeV)	θ (Deg)	σ_{H2} (nb/s /GeV)	σ_{H3} (nb/sr /GeV)	σ_{He3} (nb/sr /GeV)	H2 Rate &Hour Hz(Hour)	H3 Rate &Hour Hz(Hour)	He3 Rate &Hour Hz(Hour)	Total Hour
BB	0.59(0.60)	7.72	9.84	2.11	38.00	0.1581	0.2089	0.2655	7.623(0.91)	4.386(1.58)	7.998(0.87)	3.36
BB	0.63(0.64)	6.97	10.37	2.22	38.00	0.1193	0.1565	0.2016	6.064(1.15)	3.463(2.01)	6.401(1.08)	4.24
BB	0.67(0.68)	6.25	10.89	2.34	38.00	0.0907	0.1181	0.1541	4.792(1.45)	2.716(2.56)	5.087(1.37)	5.37
BB	0.71(0.71)	5.54	11.40	2.44	38.00	0.0719	0.0929	0.1228	3.677(1.89)	2.068(3.36)	3.925(1.77)	7.02
BB	0.75(0.73)	4.84	11.89	2.55	38.00	0.0597	0.0766	0.1025	2.750(2.53)	1.536(4.52)	2.952(2.35)	9.40
BB	0.79(0.74)	4.17	12.37	2.65	38.00	0.0501	0.0639	0.0866	2.024(3.43)	1.123(6.19)	2.184(3.18)	12.80
BB	0.83(0.76)	3.51	12.84	2.75	38.00	0.0418	0.0529	0.0726	1.439(4.83)	0.792(8.77)	1.561(4.45)	18.04
BB	0.85(0.77)	3.19	13.07	2.80	38.00	0.0381	0.0480	0.0663	1.206(5.76)	0.662(10.49)	1.312(5.29)	21.54
BB	0.87(0.77)	2.87	13.30	2.85	38.00	0.0343	0.0430	0.0598	0.985(7.05)	0.538(12.90)	1.074(6.46)	26.41
BB	0.89(0.78)	2.55	13.53	2.90	38.00	0.0313	0.0391	0.0547	0.811(8.56)	0.442(15.72)	0.887(7.83)	32.12

	x_{bj} ($x_{bj^{avg}}$)	W^2 (GeV^2)	Q^2 (GeV^2)	E' (GeV)	θ (Deg)	σ_{H2} (nb/s /GeV)	σ_{H3} (nb/sr /GeV)	σ_{He3} (nb/sr /GeV)	H2 Rate &Hour Hz(Hour)	H3 Rate &Hour Hz(Hour)	He3 Rate &Hour Hz(Hour)	Total Hour
BB	0.59(0.60)	7.78	9.94	2.03	39.00	0.1459	0.1928	0.2451	6.755(1.03)	3.886(1.79)	7.090(0.98)	3.79
BB	0.63(0.64)	7.03	10.48	2.14	39.00	0.1102	0.1443	0.1861	5.377(1.29)	3.069(2.26)	5.678(1.22)	4.78
BB	0.67(0.68)	6.30	11.01	2.25	39.00	0.0824	0.1071	0.1400	4.200(1.65)	2.378(2.92)	4.461(1.56)	6.13
BB	0.71(0.71)	5.59	11.52	2.35	39.00	0.0649	0.0837	0.1109	3.239(2.14)	1.821(3.81)	3.460(2.01)	7.97
BB	0.75(0.73)	4.89	12.03	2.45	39.00	0.0532	0.0682	0.0914	2.402(2.89)	1.340(5.18)	2.580(2.69)	10.76
BB	0.79(0.75)	4.21	12.52	2.55	39.00	0.0443	0.0564	0.0766	1.746(3.98)	0.967(7.18)	1.886(3.68)	14.84
BB	0.83(0.76)	3.54	13.00	2.65	39.00	0.0365	0.0461	0.0634	1.233(5.63)	0.678(10.24)	1.339(5.19)	21.07
BB	0.85(0.77)	3.22	13.24	2.70	39.00	0.0332	0.0418	0.0579	1.030(6.74)	0.564(12.31)	1.121(6.19)	25.24
BB	0.87(0.78)	2.89	13.47	2.75	39.00	0.0301	0.0377	0.0525	0.844(8.23)	0.461(15.08)	0.921(7.54)	30.85
BB	0.89(0.78)	2.57	13.70	2.80	39.00	0.0272	0.0340	0.0476	0.686(10.12)	0.373(18.60)	0.751(9.25)	37.96

Table 4: 2H , 3H and 3He Cross Section and Rates for d/u Extraction with **BigBite**. A $W^2 > 4$ cut is applied when calculating the rate ($W^2 > 3$ when $x > 0.75$). 25 cm Target Length is set. 4.5% momentum cut is applied. F2ALLM97 model is used.

	x_{bj} ($x_{bj^{avg}}$)	W^2 (GeV^2)	Q^2 (GeV^2)	E' (GeV)	θ (Deg)	σ_{H2} (nb/s /GeV)	σ_{H3} (nb/sr /GeV)	σ_{He3} (nb/sr /GeV)	H2 Rate &Hour Hz(Hour)	H3 Rate &Hour Hz(Hour)	He3 Rate &Hour Hz(Hour)	Total Hour
BB	0.59(0.60)	7.85	10.02	1.95	40.00	0.1351	0.1783	0.2269	6.009(1.16)	3.454(2.01)	6.309(1.10)	4.27
BB	0.63(0.64)	7.09	10.58	2.05	40.00	0.1014	0.1328	0.1714	4.759(1.46)	2.714(2.56)	5.028(1.38)	5.40
BB	0.67(0.68)	6.35	11.12	2.16	40.00	0.0758	0.0985	0.1288	3.727(1.86)	2.110(3.29)	3.961(1.75)	6.91
BB	0.71(0.71)	5.64	11.64	2.26	40.00	0.0581	0.0749	0.0994	2.824(2.46)	1.586(4.38)	3.018(2.30)	9.14
BB	0.75(0.73)	4.93	12.16	2.36	40.00	0.0477	0.0611	0.0821	2.112(3.29)	1.178(5.90)	2.270(3.06)	12.25
BB	0.79(0.75)	4.25	12.66	2.46	40.00	0.0395	0.0501	0.0682	1.519(4.57)	0.841(8.26)	1.642(4.23)	17.06
BB	0.83(0.76)	3.57	13.15	2.56	40.00	0.0325	0.0410	0.0565	1.075(6.46)	0.591(11.76)	1.168(5.95)	24.16
BB	0.85(0.77)	3.24	13.39	2.60	40.00	0.0293	0.0368	0.0511	0.885(7.84)	0.485(14.33)	0.965(7.20)	29.37
BB	0.87(0.78)	2.92	13.63	2.65	40.00	0.0265	0.0332	0.0463	0.726(9.57)	0.396(17.54)	0.793(8.76)	35.87
BB	0.89(0.79)	2.59	13.87	2.69	40.00	0.0238	0.0297	0.0417	0.580(11.98)	0.315(22.05)	0.635(10.94)	44.96

	x_{bj} ($x_{bj^{avg}}$)	W^2 (GeV^2)	Q^2 (GeV^2)	E' (GeV)	θ (Deg)	σ_{H2} (nb/s /GeV)	σ_{H3} (nb/sr /GeV)	σ_{He3} (nb/sr /GeV)	H2 Rate &Hour Hz(Hour)	H3 Rate &Hour Hz(Hour)	He3 Rate &Hour Hz(Hour)	Total Hour
BB	0.59(0.60)	7.90	10.11	1.87	41.00	0.1253	0.1653	0.2105	5.359(1.30)	3.079(2.26)	5.628(1.23)	4.78
BB	0.63(0.64)	7.15	10.67	1.98	41.00	0.0944	0.1236	0.1596	4.263(1.63)	2.430(2.86)	4.505(1.54)	6.03
BB	0.67(0.68)	6.41	11.22	2.08	41.00	0.0694	0.0901	0.1181	3.292(2.11)	1.862(3.73)	3.500(1.98)	7.82
BB	0.71(0.71)	5.68	11.75	2.18	41.00	0.0528	0.0680	0.0903	2.499(2.78)	1.403(4.95)	2.673(2.60)	10.33
BB	0.75(0.74)	4.97	12.28	2.28	41.00	0.0425	0.0544	0.0732	1.846(3.76)	1.028(6.75)	1.986(3.50)	14.01
BB	0.79(0.75)	4.28	12.79	2.37	41.00	0.0350	0.0444	0.0605	1.325(5.24)	0.732(9.48)	1.433(4.85)	19.57
BB	0.83(0.77)	3.60	13.30	2.46	41.00	0.0287	0.0361	0.0499	0.924(7.52)	0.507(13.69)	1.005(6.91)	28.12
BB	0.85(0.78)	3.27	13.54	2.51	41.00	0.0259	0.0325	0.0452	0.765(9.08)	0.418(16.61)	0.834(8.33)	34.03
BB	0.87(0.78)	2.94	13.79	2.55	41.00	0.0234	0.0293	0.0409	0.624(11.13)	0.340(20.43)	0.682(10.18)	41.73
BB	0.89(0.79)	2.61	14.03	2.60	41.00	0.0211	0.0263	0.0370	0.504(13.77)	0.274(25.38)	0.553(12.57)	51.72

	x_{bj} ($x_{bj^{avg}}$)	W^2 (GeV^2)	Q^2 (GeV^2)	E' (GeV)	θ (Deg)	σ_{H2} (nb/s /GeV)	σ_{H3} (nb/sr /GeV)	σ_{He3} (nb/sr /GeV)	H2 Rate &Hour Hz(Hour)	H3 Rate &Hour Hz(Hour)	He3 Rate &Hour Hz(Hour)	Total Hour
BB	0.59(0.60)	7.96	10.18	1.80	42.00	0.1170	0.1543	0.1967	4.816(1.44)	2.767(2.51)	5.060(1.37)	5.32
BB	0.63(0.64)	7.20	10.75	1.90	42.00	0.0874	0.1144	0.1479	3.800(1.83)	2.165(3.21)	4.018(1.73)	6.76
BB	0.67(0.68)	6.45	11.31	2.00	42.00	0.0641	0.0832	0.1091	2.930(2.37)	1.656(4.19)	3.117(2.23)	8.79
BB	0.71(0.71)	5.72	11.86	2.10	42.00	0.0484	0.0624	0.0829	2.232(3.11)	1.252(5.55)	2.388(2.91)	11.57
BB	0.75(0.74)	5.01	12.39	2.19	42.00	0.0384	0.0491	0.0661	1.633(4.25)	0.909(7.64)	1.757(3.95)	15.85
BB	0.79(0.75)	4.31	12.92	2.29	42.00	0.0316	0.0400	0.0547	1.170(5.94)	0.646(10.74)	1.266(5.49)	22.17
BB	0.83(0.77)	3.63	13.43	2.38	42.00	0.0257	0.0324	0.0448	0.812(8.55)	0.445(15.60)	0.883(7.86)	32.01
BB	0.85(0.78)	3.30	13.68	2.42	42.00	0.0230	0.0289	0.0402	0.662(10.49)	0.362(19.20)	0.723(9.61)	39.29
BB	0.87(0.78)	2.96	13.93	2.47	42.00	0.0208	0.0260	0.0364	0.541(12.83)	0.294(23.58)	0.592(11.73)	48.15
BB	0.89(0.79)	2.63	14.18	2.51	42.00	0.0186	0.0232	0.0326	0.430(16.16)	0.233(29.80)	0.471(14.73)	60.69

Table 5: 2H , 3H and 3He Cross Section and Rates for d/u Extraction with **BigBite**. A $W^2 > 4$ cut is applied when calculating the rate ($W^2 > 3$ when $x > 0.75$). 25 cm Target Length is set. 4.5% momentum cut is applied. F2ALLM97 model is used.

	x_{bj} ($x_{bj^{avg}}$)	W^2 (GeV^2)	Q^2 (GeV^2)	E' (GeV)	θ (Deg)	σ_{H2} (nb/s /GeV)	σ_{H3} (nb/sr /GeV)	σ_{He3} (nb/sr /GeV)	H2 Rate &Hour Hz(Hour)	H3 Rate &Hour Hz(Hour)	He3 Rate &Hour Hz(Hour)	Total Hour
BB	0.59(0.60)	8.01	10.26	1.74	43.00	0.1090	0.1437	0.1832	4.320(1.61)	2.480(2.80)	4.540(1.53)	5.94
BB	0.63(0.64)	7.24	10.84	1.83	43.00	0.0813	0.1063	0.1376	3.405(2.04)	1.939(3.58)	3.601(1.93)	7.55
BB	0.67(0.68)	6.50	11.40	1.93	43.00	0.0598	0.0775	0.1018	2.634(2.64)	1.488(4.67)	2.803(2.48)	9.78
BB	0.71(0.72)	5.77	11.96	2.02	43.00	0.0442	0.0569	0.0757	1.980(3.51)	1.110(6.26)	2.120(3.28)	13.04
BB	0.75(0.74)	5.05	12.50	2.12	43.00	0.0347	0.0443	0.0598	1.450(4.79)	0.806(8.61)	1.561(4.45)	17.85
BB	0.79(0.76)	4.35	13.04	2.21	43.00	0.0285	0.0361	0.0494	1.035(6.71)	0.571(12.16)	1.121(6.20)	25.06
BB	0.83(0.77)	3.66	13.56	2.29	43.00	0.0230	0.0289	0.0401	0.713(9.74)	0.391(17.78)	0.776(8.94)	36.46
BB	0.85(0.78)	3.32	13.82	2.34	43.00	0.0206	0.0258	0.0359	0.578(12.01)	0.316(22.01)	0.632(11.00)	45.01
BB	0.87(0.79)	2.98	14.07	2.38	43.00	0.0185	0.0231	0.0324	0.470(14.78)	0.256(27.18)	0.515(13.50)	55.45
BB	0.89(0.80)	2.65	14.32	2.42	43.00	0.0166	0.0206	0.0292	0.379(18.34)	0.205(33.86)	0.416(16.71)	68.92

	x_{bj} ($x_{bj^{avg}}$)	W^2 (GeV^2)	Q^2 (GeV^2)	E' (GeV)	θ (Deg)	σ_{H2} (nb/s /GeV)	σ_{H3} (nb/sr /GeV)	σ_{He3} (nb/sr /GeV)	H2 Rate &Hour Hz(Hour)	H3 Rate &Hour Hz(Hour)	He3 Rate &Hour Hz(Hour)	Total Hour
BB	0.59(0.60)	8.06	10.33	1.67	44.00	0.1024	0.1350	0.1723	3.913(1.77)	2.246(3.09)	4.114(1.69)	6.55
BB	0.63(0.64)	7.29	10.91	1.77	44.00	0.0757	0.0990	0.1282	3.058(2.27)	1.741(3.99)	3.236(2.15)	8.41
BB	0.67(0.68)	6.54	11.49	1.86	44.00	0.0555	0.0720	0.0946	2.361(2.94)	1.333(5.21)	2.513(2.76)	10.91
BB	0.71(0.72)	5.80	12.05	1.95	44.00	0.0409	0.0525	0.0700	1.778(3.91)	0.996(6.97)	1.904(3.65)	14.52
BB	0.75(0.74)	5.08	12.61	2.04	44.00	0.0318	0.0405	0.0547	1.296(5.36)	0.720(9.64)	1.396(4.97)	19.97
BB	0.79(0.76)	4.38	13.15	2.13	44.00	0.0257	0.0326	0.0446	0.917(7.57)	0.506(13.73)	0.994(6.99)	28.29
BB	0.83(0.77)	3.68	13.68	2.22	44.00	0.0207	0.0260	0.0361	0.624(11.13)	0.342(20.33)	0.680(10.21)	41.67
BB	0.85(0.78)	3.34	13.94	2.26	44.00	0.0185	0.0232	0.0324	0.506(13.73)	0.276(25.18)	0.553(12.56)	51.47
BB	0.87(0.79)	3.00	14.20	2.30	44.00	0.0165	0.0206	0.0290	0.408(17.01)	0.222(31.31)	0.447(15.52)	63.84
BB	0.89(0.80)	2.67	14.46	2.34	44.00	0.0148	0.0184	0.0261	0.329(21.11)	0.178(39.02)	0.361(19.22)	79.36

	x_{bj} ($x_{bj^{avg}}$)	W^2 (GeV^2)	Q^2 (GeV^2)	E' (GeV)	θ (Deg)	σ_{H2} (nb/s /GeV)	σ_{H3} (nb/sr /GeV)	σ_{He3} (nb/sr /GeV)	H2 Rate &Hour Hz(Hour)	H3 Rate &Hour Hz(Hour)	He3 Rate &Hour Hz(Hour)	Total Hour
BB	0.59(0.60)	8.10	10.39	1.61	45.00	0.0956	0.1259	0.1608	3.521(1.97)	2.020(3.44)	3.702(1.88)	7.29
BB	0.63(0.64)	7.33	10.99	1.71	45.00	0.0713	0.0931	0.1207	2.776(2.50)	1.580(4.40)	2.938(2.36)	9.26
BB	0.67(0.68)	6.58	11.57	1.80	45.00	0.0517	0.0671	0.0882	2.123(3.27)	1.198(5.80)	2.261(3.07)	12.14
BB	0.71(0.72)	5.84	12.14	1.88	45.00	0.0375	0.0483	0.0644	1.587(4.38)	0.888(7.82)	1.701(4.08)	16.27
BB	0.75(0.74)	5.12	12.71	1.97	45.00	0.0289	0.0369	0.0499	1.158(6.00)	0.643(10.80)	1.248(5.57)	22.37
BB	0.79(0.76)	4.40	13.26	2.06	45.00	0.0233	0.0294	0.0403	0.813(8.54)	0.448(15.50)	0.881(7.88)	31.92
BB	0.83(0.78)	3.71	13.80	2.14	45.00	0.0187	0.0235	0.0327	0.553(12.55)	0.302(22.96)	0.603(11.52)	47.03
BB	0.85(0.78)	3.36	14.06	2.18	45.00	0.0167	0.0208	0.0292	0.449(15.46)	0.245(28.38)	0.491(14.14)	57.97
BB	0.87(0.79)	3.02	14.33	2.22	45.00	0.0149	0.0185	0.0261	0.359(19.32)	0.195(35.60)	0.394(17.62)	72.54
BB	0.89(0.80)	2.68	14.59	2.26	45.00	0.0133	0.0165	0.0233	0.286(24.29)	0.155(44.93)	0.314(22.09)	91.31

Table 6: 2H , 3H and 3He Cross Section and Rates for d/u Extraction with **BigBite**. A $W^2 > 4$ cut is applied when calculating the rate ($W^2 > 3$ when $x > 0.75$). 25 cm Target Length is set. 4.5% momentum cut is applied. F2ALLM97 model is used.

	x_{bj} (x_{bj}^{avg})	W^2 (GeV^2)	Q^2 (GeV^2)	E' (GeV)	θ (Deg)	σ_{H2} (nb/s /GeV)	σ_{H3} (nb/sr /GeV)	σ_{He3} (nb/sr /GeV)	H2 Rate &Hour Hz(Hour)	H3 Rate &Hour Hz(Hour)	He3 Rate &Hour Hz(Hour)	Total Hour
BB	0.59(0.60)	8.15	10.46	1.56	46.00	0.0904	0.1190	0.1521	3.213(2.16)	1.843(3.77)	3.379(2.06)	7.98
BB	0.63(0.64)	7.37	11.06	1.65	46.00	0.0664	0.0867	0.1125	2.497(2.78)	1.420(4.89)	2.644(2.63)	10.30
BB	0.67(0.68)	6.62	11.65	1.73	46.00	0.0485	0.0629	0.0828	1.923(3.61)	1.085(6.40)	2.049(3.39)	13.40
BB	0.71(0.72)	5.88	12.23	1.82	46.00	0.0350	0.0450	0.0601	1.438(4.83)	0.805(8.63)	1.542(4.50)	17.96
BB	0.75(0.74)	5.15	12.80	1.91	46.00	0.0266	0.0339	0.0458	1.041(6.67)	0.578(12.02)	1.123(6.19)	24.88
BB	0.79(0.76)	4.43	13.36	1.99	46.00	0.0211	0.0266	0.0366	0.720(9.64)	0.397(17.51)	0.782(8.89)	36.03
BB	0.83(0.78)	3.73	13.91	2.07	46.00	0.0169	0.0213	0.0296	0.490(14.17)	0.268(25.94)	0.534(12.99)	53.11
BB	0.85(0.79)	3.38	14.18	2.11	46.00	0.0151	0.0189	0.0264	0.397(17.50)	0.216(32.15)	0.434(15.99)	65.64
BB	0.87(0.79)	3.04	14.45	2.15	46.00	0.0135	0.0168	0.0236	0.318(21.87)	0.172(40.34)	0.348(19.94)	82.15
BB	0.89(0.80)	2.70	14.71	2.19	46.00	0.0119	0.0148	0.0210	0.249(27.84)	0.135(51.56)	0.274(25.31)	104.72

	x_{bj} (x_{bj}^{avg})	W^2 (GeV^2)	Q^2 (GeV^2)	E' (GeV)	θ (Deg)	σ_{H2} (nb/s /GeV)	σ_{H3} (nb/sr /GeV)	σ_{He3} (nb/sr /GeV)	H2 Rate &Hour Hz(Hour)	H3 Rate &Hour Hz(Hour)	He3 Rate &Hour Hz(Hour)	Total Hour
BB	0.59(0.60)	8.19	10.51	1.50	47.00	0.0851	0.1120	0.1432	2.920(2.38)	1.674(4.15)	3.072(2.26)	8.79
BB	0.63(0.64)	7.41	11.12	1.59	47.00	0.0628	0.0819	0.1063	2.279(3.05)	1.296(5.36)	2.414(2.88)	11.28
BB	0.67(0.68)	6.65	11.72	1.68	47.00	0.0457	0.0592	0.0779	1.749(3.97)	0.986(7.04)	1.864(3.73)	14.74
BB	0.71(0.72)	5.91	12.31	1.76	47.00	0.0325	0.0417	0.0558	1.295(5.36)	0.724(9.59)	1.389(5.00)	19.96
BB	0.75(0.75)	5.18	12.89	1.84	47.00	0.0244	0.0311	0.0421	0.935(7.43)	0.519(13.39)	1.009(6.88)	27.70
BB	0.79(0.76)	4.46	13.46	1.92	47.00	0.0194	0.0245	0.0337	0.651(10.66)	0.358(19.38)	0.707(9.82)	39.87
BB	0.83(0.78)	3.75	14.01	2.00	47.00	0.0154	0.0193	0.0269	0.435(15.97)	0.237(29.26)	0.475(14.63)	59.87
BB	0.85(0.79)	3.40	14.29	2.04	47.00	0.0137	0.0171	0.0240	0.352(19.73)	0.191(36.28)	0.385(18.02)	74.03
BB	0.87(0.80)	3.06	14.56	2.08	47.00	0.0121	0.0151	0.0213	0.279(24.90)	0.151(45.97)	0.306(22.68)	93.54
BB	0.89(0.80)	2.71	14.83	2.12	47.00	0.0108	0.0134	0.0190	0.218(31.81)	0.118(58.95)	0.240(28.90)	119.66

	x_{bj} (x_{bj}^{avg})	W^2 (GeV^2)	Q^2 (GeV^2)	E' (GeV)	θ (Deg)	σ_{H2} (nb/s /GeV)	σ_{H3} (nb/sr /GeV)	σ_{He3} (nb/sr /GeV)	H2 Rate &Hour Hz(Hour)	H3 Rate &Hour Hz(Hour)	He3 Rate &Hour Hz(Hour)	Total Hour
BB	0.59(0.60)	8.23	10.57	1.45	48.00	0.0806	0.1061	0.1357	2.674(2.60)	1.533(4.53)	2.813(2.47)	9.60
BB	0.63(0.64)	7.45	11.19	1.54	48.00	0.0592	0.0772	0.1003	2.077(3.34)	1.181(5.88)	2.200(3.16)	12.38
BB	0.67(0.68)	6.69	11.79	1.62	48.00	0.0426	0.0551	0.0727	1.576(4.41)	0.888(7.82)	1.680(4.13)	16.36
BB	0.71(0.72)	5.94	12.39	1.70	48.00	0.0306	0.0393	0.0526	1.184(5.87)	0.662(10.50)	1.270(5.47)	21.83
BB	0.75(0.75)	5.20	12.97	1.78	48.00	0.0226	0.0287	0.0390	0.846(8.21)	0.469(14.82)	0.913(7.61)	30.63
BB	0.79(0.77)	4.48	13.55	1.86	48.00	0.0177	0.0223	0.0308	0.584(11.90)	0.321(21.64)	0.634(10.96)	44.50
BB	0.83(0.78)	3.77	14.11	1.94	48.00	0.0141	0.0177	0.0247	0.391(17.77)	0.213(32.58)	0.427(16.27)	66.62
BB	0.85(0.79)	3.42	14.39	1.98	48.00	0.0125	0.0156	0.0219	0.314(22.14)	0.170(40.74)	0.344(20.21)	83.09
BB	0.87(0.80)	3.07	14.67	2.02	48.00	0.0110	0.0137	0.0194	0.250(27.82)	0.135(51.41)	0.274(25.33)	104.56
BB	0.89(0.81)	2.73	14.94	2.05	48.00	0.0098	0.0121	0.0172	0.193(35.90)	0.104(66.59)	0.213(32.59)	135.08

Table 7: 2H , 3H and 3He Cross Section and Rates for d/u Extraction with **BigBite**. A $W^2 > 4$ cut is applied when calculating the rate ($W^2 > 3$ when $x > 0.75$). 25 cm Target Length is set. 4.5% momentum cut is applied. F2ALLM97 model is used.

	x_{bj} (x_{bj}^{avg})	W^2 (GeV^2)	Q^2 (GeV^2)	E' (GeV)	θ (Deg)	σ_{H2} (nb/s /GeV)	σ_{H3} (nb/sr /GeV)	σ_{He3} (nb/sr /GeV)	H2 Rate &Hour Hz(Hour)	H3 Rate &Hour Hz(Hour)	He3 Rate &Hour Hz(Hour)	Total Hour
BB	0.59(0.60)	8.26	10.62	1.40	49.00	0.0760	0.1000	0.1280	2.437(2.85)	1.397(4.97)	2.565(2.71)	10.53
BB	0.63(0.64)	7.49	11.25	1.49	49.00	0.0559	0.0729	0.0947	1.897(3.66)	1.078(6.44)	2.010(3.45)	13.56
BB	0.67(0.68)	6.72	11.86	1.57	49.00	0.0404	0.0522	0.0689	1.446(4.80)	0.815(8.53)	1.542(4.50)	17.83
BB	0.71(0.72)	5.97	12.46	1.65	49.00	0.0285	0.0365	0.0489	1.067(6.51)	0.596(11.65)	1.146(6.06)	24.22
BB	0.75(0.75)	5.23	13.05	1.73	49.00	0.0209	0.0265	0.0361	0.763(9.10)	0.423(16.43)	0.824(8.42)	33.95
BB	0.79(0.77)	4.51	13.64	1.80	49.00	0.0163	0.0205	0.0283	0.527(13.18)	0.289(23.99)	0.572(12.13)	49.31
BB	0.83(0.78)	3.79	14.21	1.88	49.00	0.0128	0.0160	0.0224	0.348(19.96)	0.190(36.62)	0.380(18.27)	74.85
BB	0.85(0.79)	3.44	14.49	1.92	49.00	0.0114	0.0142	0.0199	0.279(24.89)	0.151(45.85)	0.306(22.71)	93.45
BB	0.87(0.80)	3.09	14.77	1.95	49.00	0.0101	0.0125	0.0177	0.221(31.44)	0.119(58.14)	0.243(28.61)	118.19
BB	0.89(0.81)	2.74	15.05	1.99	49.00	0.0089	0.0110	0.0156	0.171(40.68)	0.092(75.54)	0.188(36.91)	153.13

	x_{bj} (x_{bj}^{avg})	W^2 (GeV^2)	Q^2 (GeV^2)	E' (GeV)	θ (Deg)	σ_{H2} (nb/s /GeV)	σ_{H3} (nb/sr /GeV)	σ_{He3} (nb/sr /GeV)	H2 Rate &Hour Hz(Hour)	H3 Rate &Hour Hz(Hour)	He3 Rate &Hour Hz(Hour)	Total Hour
BB	0.59(0.60)	8.30	10.67	1.36	50.00	0.0723	0.0951	0.1218	2.244(3.10)	1.285(5.40)	2.362(2.94)	11.44
BB	0.63(0.64)	7.52	11.30	1.44	50.00	0.0530	0.0691	0.0898	1.740(3.99)	0.989(7.02)	1.844(3.77)	14.78
BB	0.67(0.68)	6.75	11.92	1.52	50.00	0.0380	0.0492	0.0649	1.318(5.27)	0.742(9.36)	1.406(4.94)	19.57
BB	0.71(0.72)	6.00	12.53	1.59	50.00	0.0267	0.0342	0.0459	0.971(7.15)	0.542(12.82)	1.042(6.66)	26.63
BB	0.75(0.75)	5.26	13.13	1.67	50.00	0.0194	0.0246	0.0335	0.692(10.03)	0.383(18.12)	0.748(9.28)	37.43
BB	0.79(0.77)	4.53	13.72	1.75	50.00	0.0151	0.0190	0.0262	0.478(14.51)	0.263(26.43)	0.520(13.35)	54.30
BB	0.83(0.79)	3.81	14.30	1.82	50.00	0.0117	0.0147	0.0206	0.312(22.24)	0.170(40.83)	0.341(20.34)	83.40
BB	0.85(0.79)	3.45	14.59	1.86	50.00	0.0105	0.0130	0.0183	0.252(27.56)	0.137(50.81)	0.276(25.14)	103.50
BB	0.87(0.80)	3.10	14.87	1.89	50.00	0.0092	0.0115	0.0163	0.197(35.19)	0.107(65.12)	0.217(32.00)	132.31
BB	0.89(0.81)	2.75	15.15	1.93	50.00	0.0081	0.0100	0.0143	0.154(44.98)	0.083(83.58)	0.170(40.79)	169.36

	x_{bj} (x_{bj}^{avg})	W^2 (GeV^2)	Q^2 (GeV^2)	E' (GeV)	θ (Deg)	σ_{H2} (nb/s /GeV)	σ_{H3} (nb/sr /GeV)	σ_{He3} (nb/sr /GeV)	H2 Rate &Hour Hz(Hour)	H3 Rate &Hour Hz(Hour)	He3 Rate &Hour Hz(Hour)	Total Hour
BB	0.59(0.60)	8.33	10.72	1.31	51.00	0.0684	0.0900	0.1153	2.055(3.38)	1.177(5.90)	2.164(3.21)	12.49
BB	0.63(0.64)	7.55	11.36	1.39	51.00	0.0503	0.0656	0.0853	1.600(4.34)	0.909(7.64)	1.696(4.09)	16.07
BB	0.67(0.68)	6.78	11.98	1.47	51.00	0.0360	0.0465	0.0615	1.208(5.75)	0.680(10.21)	1.289(5.39)	21.34
BB	0.71(0.72)	6.03	12.60	1.54	51.00	0.0252	0.0323	0.0434	0.890(7.80)	0.497(13.99)	0.956(7.27)	29.06
BB	0.75(0.75)	5.28	13.20	1.62	51.00	0.0180	0.0229	0.0311	0.629(11.03)	0.348(19.94)	0.680(10.21)	41.18
BB	0.79(0.77)	4.55	13.80	1.69	51.00	0.0139	0.0175	0.0242	0.435(15.98)	0.239(29.11)	0.473(14.69)	59.78
BB	0.83(0.79)	3.83	14.39	1.76	51.00	0.0109	0.0136	0.0191	0.284(24.46)	0.155(44.93)	0.311(22.36)	91.74
BB	0.85(0.80)	3.47	14.68	1.80	51.00	0.0096	0.0120	0.0169	0.226(30.68)	0.123(56.61)	0.248(27.97)	115.26
BB	0.87(0.80)	3.12	14.96	1.83	51.00	0.0084	0.0105	0.0148	0.177(39.15)	0.096(72.51)	0.195(35.58)	147.24
BB	0.89(0.81)	2.76	15.25	1.87	51.00	0.0074	0.0092	0.0131	0.137(50.70)	0.074(94.29)	0.151(45.96)	190.95

Table 8: 2H , 3H and 3He Cross Section and Rates for d/u Extraction with **BigBite**. A $W^2 > 4$ cut is applied when calculating the rate ($W^2 > 3$ when $x > 0.75$). 25 cm Target Length is set. 4.5% momentum cut is applied. F2ALLM97 model is used.

x_{bj} (x_{bj}^{avg})	W^2 (GeV^2)	Q^2 (GeV^2)	E' (GeV)	θ (Deg)	σ_{H2} (nb/s /GeV)	σ_{H3} (nb/sr /GeV)	σ_{He3} (nb/sr /GeV)	H2 Rate &Hour Hz(Hour)	H3 Rate &Hour Hz(Hour)	He3 Rate &Hour Hz(Hour)	Total Hour
BB	0.59(0.60)	8.36	10.77	1.27	52.00	0.0651	0.0856	1.894(3.67)	1.085(6.40)	1.995(3.48)	13.55
BB	0.63(0.64)	7.58	11.41	1.35	52.00	0.0477	0.0622	1.470(4.73)	0.834(8.32)	1.558(4.46)	17.51
BB	0.67(0.68)	6.81	12.04	1.42	52.00	0.0340	0.0439	1.106(6.28)	0.622(11.16)	1.181(5.88)	23.32
BB	0.71(0.72)	6.05	12.66	1.50	52.00	0.0238	0.0305	0.813(8.54)	0.454(15.31)	0.874(7.95)	31.79
BB	0.75(0.75)	5.30	13.27	1.57	52.00	0.0169	0.0214	0.576(12.05)	0.319(21.79)	0.623(11.14)	44.98
BB	0.79(0.77)	4.57	13.87	1.64	52.00	0.0129	0.0162	0.396(17.55)	0.217(32.00)	0.430(16.13)	65.69
BB	0.83(0.79)	3.84	14.47	1.71	52.00	0.0101	0.0126	0.259(26.85)	0.141(49.36)	0.283(24.54)	100.74
BB	0.85(0.80)	3.49	14.76	1.75	52.00	0.0089	0.0110	0.205(33.88)	0.111(62.54)	0.225(30.87)	127.30
BB	0.87(0.80)	3.13	15.05	1.78	52.00	0.0078	0.0097	0.160(43.39)	0.086(80.41)	0.176(39.42)	163.22
BB	0.89(0.81)	2.78	15.34	1.81	52.00	0.0068	0.0084	0.122(57.05)	0.065(106.18)	0.134(51.68)	214.91

x_{bj} (x_{bj}^{avg})	W^2 (GeV^2)	Q^2 (GeV^2)	E' (GeV)	θ (Deg)	σ_{H2} (nb/s /GeV)	σ_{H3} (nb/sr /GeV)	σ_{He3} (nb/sr /GeV)	H2 Rate &Hour Hz(Hour)	H3 Rate &Hour Hz(Hour)	He3 Rate &Hour Hz(Hour)	Total Hour
BB	0.59(0.60)	8.39	10.81	1.23	53.00	0.0621	0.0816	1.749(3.97)	1.002(6.93)	1.843(3.77)	14.67
BB	0.63(0.64)	7.61	11.46	1.31	53.00	0.0452	0.0589	1.351(5.14)	0.767(9.06)	1.433(4.85)	19.05
BB	0.67(0.68)	6.84	12.09	1.38	53.00	0.0324	0.0419	1.022(6.79)	0.575(12.08)	1.091(6.36)	25.23
BB	0.71(0.72)	6.08	12.72	1.45	53.00	0.0226	0.0290	0.750(9.25)	0.418(16.60)	0.806(8.61)	34.46
BB	0.75(0.75)	5.33	13.34	1.52	53.00	0.0158	0.0200	0.527(13.18)	0.291(23.84)	0.570(12.18)	49.20
BB	0.79(0.77)	4.59	13.95	1.59	53.00	0.0120	0.0151	0.361(19.26)	0.198(35.14)	0.392(17.70)	72.09
BB	0.83(0.79)	3.86	14.55	1.66	53.00	0.0093	0.0116	0.232(29.91)	0.126(55.03)	0.254(27.32)	112.26
BB	0.85(0.80)	3.50	14.84	1.69	53.00	0.0081	0.0101	0.185(37.62)	0.100(69.50)	0.203(34.26)	141.39
BB	0.87(0.81)	3.14	15.14	1.73	53.00	0.0072	0.0089	0.145(48.04)	0.078(89.11)	0.159(43.63)	180.79
BB	0.89(0.82)	2.79	15.43	1.76	53.00	0.0062	0.0077	0.110(63.30)	0.059(117.90)	0.121(57.31)	238.51

x_{bj} (x_{bj}^{avg})	W^2 (GeV^2)	Q^2 (GeV^2)	E' (GeV)	θ (Deg)	σ_{H2} (nb/s /GeV)	σ_{H3} (nb/sr /GeV)	σ_{He3} (nb/sr /GeV)	H2 Rate &Hour Hz(Hour)	H3 Rate &Hour Hz(Hour)	He3 Rate &Hour Hz(Hour)	Total Hour
BB	0.59(0.59)	8.42	10.85	1.20	54.00	0.0593	0.0780	1.622(4.28)	0.929(7.48)	1.709(4.06)	15.82
BB	0.63(0.63)	7.64	11.50	1.27	54.00	0.0433	0.0564	1.255(5.53)	0.712(9.75)	1.331(5.22)	20.50
BB	0.67(0.68)	6.86	12.15	1.34	54.00	0.0308	0.0398	0.944(7.36)	0.531(13.09)	1.008(6.89)	27.34
BB	0.71(0.72)	6.10	12.78	1.41	54.00	0.0214	0.0274	0.688(10.10)	0.383(18.11)	0.740(9.39)	37.60
BB	0.75(0.75)	5.35	13.40	1.48	54.00	0.0149	0.0189	0.486(14.30)	0.268(25.88)	0.526(13.21)	53.39
BB	0.79(0.78)	4.61	14.02	1.55	54.00	0.0111	0.0140	0.330(21.07)	0.181(38.47)	0.359(19.35)	78.89
BB	0.83(0.79)	3.88	14.62	1.61	54.00	0.0086	0.0107	0.212(32.77)	0.115(60.33)	0.232(29.91)	123.00
BB	0.85(0.80)	3.51	14.92	1.65	54.00	0.0075	0.0094	0.167(41.47)	0.091(76.65)	0.184(37.74)	155.86
BB	0.87(0.81)	3.15	15.22	1.68	54.00	0.0066	0.0082	0.130(53.55)	0.070(99.40)	0.143(48.60)	201.55
BB	0.89(0.82)	2.80	15.51	1.71	54.00	0.0058	0.0071	0.099(69.90)	0.053(130.28)	0.110(63.25)	263.43

Table 9: 2H , 3H and 3He Cross Section and Rates for d/u Extraction with **BigBite**. A $W^2 > 4$ cut is applied when calculating the rate ($W^2 > 3$ when $x > 0.75$). 25 cm Target Length is set. 4.5% momentum cut is applied. F2ALLM97 model is used.

x_{bj} (x_{bj}^{avg})	W^2 (GeV^2)	Q^2 (GeV^2)	E' (GeV)	θ (Deg)	σ_{H2} (nb/s /GeV)	σ_{H3} (nb/sr /GeV)	σ_{He3} (nb/sr /GeV)	H2 Rate &Hour Hz(Hour)	H3 Rate &Hour Hz(Hour)	He3 Rate &Hour Hz(Hour)	Total Hour
BB	0.59(0.59)	8.45	10.89	1.16	55.00	0.0565	0.0743	1.499(4.63)	0.858(8.10)	1.579(4.40)	17.13
BB	0.63(0.63)	7.66	11.55	1.23	55.00	0.0412	0.0537	1.158(6.00)	0.637(10.57)	1.229(5.65)	22.22
BB	0.67(0.68)	6.89	12.20	1.30	55.00	0.0293	0.0379	0.871(7.97)	0.490(14.19)	0.930(7.47)	29.63
BB	0.71(0.72)	6.12	12.83	1.37	55.00	0.0203	0.0259	0.633(10.97)	0.353(19.68)	0.681(10.20)	40.84
BB	0.75(0.75)	5.37	13.46	1.43	55.00	0.0141	0.0178	0.447(15.52)	0.247(28.11)	0.484(14.34)	57.97
BB	0.79(0.78)	4.62	14.08	1.50	55.00	0.0103	0.0130	0.301(23.07)	0.165(42.14)	0.328(21.17)	86.38
BB	0.83(0.79)	3.89	14.69	1.57	55.00	0.0080	0.0100	0.194(35.78)	0.105(65.91)	0.213(32.65)	134.34
BB	0.85(0.80)	3.53	15.00	1.60	55.00	0.0070	0.0087	0.151(45.86)	0.082(84.83)	0.166(41.72)	172.41
BB	0.87(0.81)	3.17	15.30	1.63	55.00	0.0061	0.0076	0.118(59.04)	0.063(109.67)	0.130(53.56)	222.28
BB	0.89(0.82)	2.81	15.60	1.66	55.00	0.0053	0.0066	0.089(77.70)	0.048(144.93)	0.099(70.28)	292.92

x_{bj} (x_{bj}^{avg})	W^2 (GeV^2)	Q^2 (GeV^2)	E' (GeV)	θ (Deg)	σ_{H2} (nb/s /GeV)	σ_{H3} (nb/sr /GeV)	σ_{He3} (nb/sr /GeV)	H2 Rate &Hour Hz(Hour)	H3 Rate &Hour Hz(Hour)	He3 Rate &Hour Hz(Hour)	Total Hour
BB	0.59(0.59)	8.48	10.93	1.13	56.00	0.0542	0.0712	1.395(4.98)	0.798(8.70)	1.470(4.73)	18.41
BB	0.63(0.63)	7.69	11.59	1.20	56.00	0.0394	0.0513	1.076(6.45)	0.610(11.38)	1.142(6.08)	23.92
BB	0.67(0.67)	6.91	12.24	1.26	56.00	0.0280	0.0362	0.809(8.59)	0.454(15.28)	0.864(8.04)	31.91
BB	0.71(0.72)	6.14	12.89	1.33	56.00	0.0193	0.0247	0.586(11.84)	0.327(21.27)	0.631(11.01)	44.12
BB	0.75(0.75)	5.39	13.52	1.39	56.00	0.0133	0.0169	0.413(16.80)	0.228(30.45)	0.448(15.52)	62.77
BB	0.79(0.78)	4.64	14.14	1.46	56.00	0.0097	0.0122	0.277(25.10)	0.151(45.87)	0.302(23.03)	93.99
BB	0.83(0.79)	3.90	14.76	1.52	56.00	0.0074	0.0092	0.176(39.47)	0.095(72.76)	0.193(36.00)	148.24
BB	0.85(0.80)	3.54	15.07	1.55	56.00	0.0065	0.0081	0.138(50.25)	0.075(93.01)	0.152(45.69)	188.95
BB	0.87(0.81)	3.18	15.37	1.58	56.00	0.0057	0.0070	0.107(65.06)	0.057(120.93)	0.118(58.99)	244.97
BB	0.89(0.82)	2.82	15.67	1.62	56.00	0.0049	0.0061	0.081(86.08)	0.043(160.66)	0.089(77.83)	324.57

x_{bj} (x_{bj}^{avg})	W^2 (GeV^2)	Q^2 (GeV^2)	E' (GeV)	θ (Deg)	σ_{H2} (nb/s /GeV)	σ_{H3} (nb/sr /GeV)	σ_{He3} (nb/sr /GeV)	H2 Rate &Hour Hz(Hour)	H3 Rate &Hour Hz(Hour)	He3 Rate &Hour Hz(Hour)	Total Hour
BB	0.59(0.59)	8.50	10.97	1.09	57.00	0.0520	0.0683	1.300(5.34)	0.744(9.34)	1.370(5.07)	19.75
BB	0.63(0.63)	7.71	11.63	1.16	57.00	0.0377	0.0490	0.999(6.95)	0.566(12.26)	1.060(6.55)	25.77
BB	0.67(0.67)	6.93	12.29	1.23	57.00	0.0267	0.0345	0.748(9.28)	0.420(16.52)	0.800(8.68)	34.48
BB	0.71(0.71)	6.16	12.94	1.29	57.00	0.0184	0.0236	0.544(12.77)	0.303(22.95)	0.585(11.87)	47.59
BB	0.75(0.75)	5.41	13.57	1.36	57.00	0.0125	0.0159	0.380(18.27)	0.210(33.11)	0.412(16.86)	68.24
BB	0.79(0.78)	4.66	14.21	1.42	57.00	0.0091	0.0114	0.256(27.11)	0.140(49.59)	0.279(24.87)	101.57
BB	0.83(0.80)	3.92	14.83	1.48	57.00	0.0070	0.0087	0.163(42.72)	0.088(78.79)	0.178(38.95)	160.46
BB	0.85(0.80)	3.55	15.14	1.51	57.00	0.0061	0.0075	0.127(54.55)	0.069(101.04)	0.140(49.59)	205.18
BB	0.87(0.81)	3.19	15.44	1.54	57.00	0.0053	0.0065	0.097(71.28)	0.052(132.58)	0.107(64.61)	268.47
BB	0.89(0.82)	2.83	15.75	1.57	57.00	0.0046	0.0056	0.073(95.11)	0.039(177.62)	0.081(85.95)	358.67

Table 10: 2H , 3H and 3He Cross Section and Rates for d/u Extraction with **BigBite**. A $W^2 > 4$ cut is applied when calculating the rate ($W^2 > 3$ when $x > 0.75$). 25 cm Target Length is set. 4.5% momentum cut is applied. F2ALLM97 model is used.

	x_{bj} (x_{bj}^{avg})	W^2 (GeV^2)	Q^2 (GeV^2)	E' (GeV)	θ (Deg)	σ_{H2} (nb/s /GeV)	σ_{H3} (nb/sr /GeV)	σ_{He3} (nb/sr /GeV)	H2 Rate &Hour Hz(Hour)	H3 Rate &Hour Hz(Hour)	He3 Rate &Hour Hz(Hour)	Total Hour
BB	0.59(0.59)	8.53	11.00	1.06	58.00	0.0498	0.0653	0.0839	1.209(5.74)	0.692(10.04)	1.274(5.45)	21.24
BB	0.63(0.63)	7.73	11.67	1.13	58.00	0.0361	0.0470	0.0613	0.930(7.47)	0.527(13.17)	0.987(7.03)	27.67
BB	0.67(0.67)	6.95	12.33	1.19	58.00	0.0255	0.0329	0.0437	0.695(9.99)	0.391(17.78)	0.743(9.34)	37.11
BB	0.71(0.71)	6.18	12.98	1.26	58.00	0.0176	0.0225	0.0303	0.504(13.77)	0.281(24.74)	0.543(12.79)	51.30
BB	0.75(0.75)	5.42	13.63	1.32	58.00	0.0119	0.0151	0.0206	0.352(19.71)	0.194(35.75)	0.382(18.19)	73.65
BB	0.79(0.78)	4.67	14.26	1.38	58.00	0.0086	0.0108	0.0150	0.236(29.38)	0.129(53.75)	0.258(26.94)	110.07
BB	0.83(0.80)	3.93	14.89	1.44	58.00	0.0065	0.0081	0.0114	0.150(46.29)	0.081(85.42)	0.165(42.19)	173.90
BB	0.85(0.81)	3.56	15.20	1.47	58.00	0.0057	0.0070	0.0100	0.117(59.43)	0.063(110.13)	0.129(54.00)	223.56
BB	0.87(0.81)	3.20	15.51	1.50	58.00	0.0049	0.0061	0.0087	0.089(77.76)	0.048(144.72)	0.099(70.45)	292.93
BB	0.89(0.82)	2.84	15.82	1.53	58.00	0.0042	0.0052	0.0075	0.066(104.67)	0.036(195.62)	0.073(94.54)	394.82

	x_{bj} (x_{bj}^{avg})	W^2 (GeV^2)	Q^2 (GeV^2)	E' (GeV)	θ (Deg)	σ_{H2} (nb/s /GeV)	σ_{H3} (nb/sr /GeV)	σ_{He3} (nb/sr /GeV)	H2 Rate &Hour Hz(Hour)	H3 Rate &Hour Hz(Hour)	He3 Rate &Hour Hz(Hour)	Total Hour
BB	0.59(0.59)	8.55	11.03	1.03	59.00	0.0477	0.0627	0.0805	1.127(6.16)	0.645(10.77)	1.189(5.84)	22.77
BB	0.63(0.63)	7.76	11.71	1.10	59.00	0.0345	0.0450	0.0587	0.866(8.02)	0.491(14.15)	0.919(7.56)	29.73
BB	0.67(0.67)	6.97	12.37	1.16	59.00	0.0244	0.0315	0.0418	0.647(10.73)	0.364(19.10)	0.692(10.03)	39.86
BB	0.71(0.71)	6.20	13.03	1.22	59.00	0.0167	0.0214	0.0288	0.467(14.88)	0.260(26.74)	0.503(13.82)	55.43
BB	0.75(0.75)	5.44	13.68	1.28	59.00	0.0113	0.0143	0.0196	0.327(21.25)	0.180(38.55)	0.354(19.60)	79.41
BB	0.79(0.78)	4.69	14.32	1.34	59.00	0.0080	0.0101	0.0140	0.218(31.92)	0.119(58.43)	0.237(29.25)	119.60
BB	0.83(0.80)	3.94	14.95	1.40	59.00	0.0061	0.0076	0.0107	0.137(50.54)	0.074(93.32)	0.151(46.04)	189.89
BB	0.85(0.81)	3.57	15.26	1.43	59.00	0.0053	0.0065	0.0093	0.107(65.19)	0.057(120.88)	0.117(59.21)	245.28
BB	0.87(0.82)	3.21	15.58	1.46	59.00	0.0046	0.0057	0.0081	0.082(84.84)	0.044(157.97)	0.090(76.83)	319.65
BB	0.89(0.82)	2.84	15.88	1.49	59.00	0.0040	0.0049	0.0070	0.060(114.93)	0.032(214.92)	0.067(103.77)	433.61

	x_{bj} (x_{bj}^{avg})	W^2 (GeV^2)	Q^2 (GeV^2)	E' (GeV)	θ (Deg)	σ_{H2} (nb/s /GeV)	σ_{H3} (nb/sr /GeV)	σ_{He3} (nb/sr /GeV)	H2 Rate &Hour Hz(Hour)	H3 Rate &Hour Hz(Hour)	He3 Rate &Hour Hz(Hour)	Total Hour
BB	0.59(0.59)	8.57	11.07	1.01	60.00	0.0458	0.0602	0.0773	1.053(6.59)	0.602(11.53)	1.110(6.25)	24.38
BB	0.63(0.63)	7.78	11.74	1.07	60.00	0.0332	0.0432	0.0564	0.809(8.58)	0.458(15.15)	0.859(8.08)	31.82
BB	0.67(0.67)	6.99	12.41	1.13	60.00	0.0234	0.0302	0.0400	0.603(11.51)	0.339(20.50)	0.645(10.76)	42.78
BB	0.71(0.71)	6.22	13.07	1.19	60.00	0.0160	0.0205	0.0276	0.435(15.96)	0.242(28.69)	0.469(14.82)	59.46
BB	0.75(0.75)	5.46	13.73	1.25	60.00	0.0108	0.0136	0.0187	0.304(22.82)	0.168(41.41)	0.330(21.04)	85.27
BB	0.79(0.78)	4.70	14.37	1.31	60.00	0.0076	0.0096	0.0133	0.203(34.20)	0.111(62.63)	0.222(31.34)	128.16
BB	0.83(0.80)	3.95	15.01	1.36	60.00	0.0057	0.0071	0.0100	0.127(54.74)	0.069(101.12)	0.139(49.84)	205.70
BB	0.85(0.81)	3.58	15.32	1.39	60.00	0.0050	0.0061	0.0087	0.099(70.30)	0.053(130.42)	0.109(63.83)	264.55
BB	0.87(0.82)	3.22	15.64	1.42	60.00	0.0043	0.0053	0.0076	0.075(92.60)	0.040(172.53)	0.083(83.83)	348.96
BB	0.89(0.82)	2.85	15.95	1.45	60.00	0.0037	0.0046	0.0066	0.055(125.35)	0.030(234.55)	0.061(113.14)	473.04