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Anhang

A) Tritiumeintragsdaten für die Schweiz (zu Kap. 2.4.3)

Ergänzte Datenreihen der Tritiumkonzentrationen [TU] im Niederschlag von Wien (Referenzdaten), der Nordschweiz (gemittelt), Locarno (Südschweiz) und Koblenz (Eifel).

Jahr / Station	Wien	CH Nord	Locarno	Koblenz
1953	20.9	25.3	19.2	32.3
1954	315.4	338.3	177.4	291.1
1955	34.8	41.3	29.1	48.9
1956	189.6	208.2	116.9	192.8
1957	114.7	128.7	77.4	128.3
1958	709.5	734.0	345.0	561.4
1959	526.4	551.9	270.1	440.8
1960	157.6	174.5	100.5	166.0
1961	107.8	121.4	73.6	82.9
1962	902.2	923.2	420.1	753.7
1963	3278.1	3165.3	1210.1	3387.6
1964	1738.1	1726.9	719.2	1734.8
1965	863.9	885.8	405.4	790.7
1966	544.7	570.2	174.0	775.2
1967	297.4	319.9	169.1	236.7
1968	234.7	255.2	139.3	229.1
1969	218.8	238.6	131.5	216.5
1970	191.0	164.0	117.6	202.7
1971	243.2	173.4	143.4	300.6
1972	145.2	247.4	90.1	155.7
1973	115.8	135.2	89.9	152.8
1974	152.8	182.1	90.6	102.1
1975	140.5	202.9	92.1	163.5
1976	97.4	146.8	49.1	102.4
1977	93.5	89.0	61.5	99.6
1978	92.1	91.4	73.8	110.6
1979	55.3	64.0	43.0	75.0
1980	40.5	47.3	35.5	65.5
1981	43.2	59.1	36.9	55.3
1982	32.3	36.0	27.9	45.4
1983	28.7	27.6	20.6	49.3
1984	19.4	27.2	20.1	39.1
1985	21.3	24.7	17.8	35.8
1986	21.5	25.3	21.1	30.0
1987	19.4	21.6	17.6	26.7
1988	18.3	22.3	17.4	29.0
1989	19.5	23.7	16.9	30.5
1990	16.8	20.6	13.5	27.1
1991	16.2	19.9	13.5	26.3
1992	13.0	16.1	12.7	22.0

B) Wasseralter in den Boxen des Vierwaldstättersees (zu Kap. 7.5.1)

Volumengewichtete mittlere Wasseralter in den Boxen aus Fig. 7.1, sowie Gesamtmittelwerte für die einzelnen Seebecken. Ausser in der letzten Kolonne sind alle Daten aus den Hauptprofilen des jeweiligen Beckens berechnet.

Box	Volumen [10 ⁶ m ³]	Fläche [10 ⁶ m ²]	Alter [a]	Alter [a]	Alter [a]	Alter [a]	Alter [a]	Alter [a]
Datum			11.3.91	18.4.91	20.11.91	24.3.92	21.7.92	
ALS	43	4.76	-0.03 ± .08		0.21 ± .11	0.13 ± .13	0.16 ± .24	
ALD	61	3.80	0.02 ± .06		0.58 ± .08	0.20 ± .12	0.35 ± .19	
AL	104	4.76	0.00 ± .05		0.43 ± .07	0.17 ± .09	0.27 ± .15	
Datum			11.3.91	18.4.91	20.11.91	23.3.92	21.7.92	
KTS	1345	35.0	0.53 ± .14	0.48 ± .14	0.56 ± .13	0.35 ± .22	0.64 ± .24	
KTI	601	19.8	0.77 ± .08	0.70 ± .10	1.25 ± .07	0.62 ± .11	1.11 ± .17	
KTD	29	4.67	0.50 ± .10	0.74 ± .13	1.44 ± .14	0.78 ± .16	1.28 ± .16	
KT	1975	35.0	0.61 ± .06	0.55 ± .07	0.78 ± .06	0.44 ± .09	0.79 ± .11	
Datum			13.11.90	18.4.91	20.11.91	23.3.92	21.7.92	
OMS	1024	22.0	0.38±0.13	0.50 ± .08	0.57 ± .13	0.30 ± .22	0.62 ± .25	
OMI	839	18.8	1.57 ± .11	0.77 ± .08	1.24 ± .10	0.80 ± .16	1.25 ± .12	
OMD	451	14.3	2.33 ± .16	0.90 ± .08	1.56 ± .09	1.08 ± .11	1.30 ± .13	
OM	2314	22.0	1.19 ± .07	0.67 ± .05	1.01 ± .06	0.63 ± .08	0.98 ± .08	aus GE1
Datum			13.11.90	17.4.91	18.11.91	23.3.92	21.7.92	18.4.91
GES	1206	25.4	0.62 ± .10	0.60 ± .11	0.64 ± .12	0.55 ± .17	0.64 ± .17	0.51 ± .08
GEI	1068	22.7	1.73 ± .14	1.25 ± .14	1.29 ± .10	1.20 ± .15	1.33 ± .16	1.03 ± .08
GED	920	19.9	2.25 ± .15	1.77 ± .14	1.89 ± .11	1.50 ± .15	1.71 ± .16	1.25 ± .10
GEB	811	16.9	3.43 ± .11	2.53 ± .08	2.37 ± .11	1.96 ± .17	2.02 ± .11	2.28 ± .08
GE	4005	25.4	1.86 ± .06	1.43 ± .05	1.45 ± .05	1.23 ± .08	1.35 ± .07	1.18 ± .04
Datum			13.11.90	17.4.91	18.11.91	23.3.92	21.7.93	
TRS	217	4.83	0.61 ± .14	0.61 ± .15	0.64 ± .17	0.69 ± .24		
TRI	166	3.92	1.74 ± .14	1.10 ± .11	1.21 ± .14	1.30 ± .22		
TRD	39	2.45	1.83 ± .14	1.41 ± .12	1.43 ± .15	1.25 ± .15		
TR	421	4.83	1.17 ± .08	0.88 ± .08	0.94 ± .09	0.99 ± .11		aus UR1
Datum			13.11.90	17.4.91	18.11.91	23.3.92	21.7.92	17.4.91
URS	1023	22.0	0.82 ± .16	0.67 ± .10	0.32 ± .18	0.83 ± .17	0.49 ± .17	0.63 ± .16
URI	904	19.3	1.42 ± .16	0.66 ± .14	1.58 ± .11	1.05 ± .17	1.03 ± .12	0.88 ± .09
URD	754	16.8	1.77 ± .27	0.88 ± .15	1.43 ± .13	1.11 ± .16	1.26 ± .13	0.93 ± .09
URB	488	13.0	1.64 ± .18	1.08 ± .14	1.76 ± .13	1.07 ± .16	1.38 ± .17	1.23 ± .09
UR	3169	22.0	1.34 ± .10	0.78 ± .06	1.16 ± .07	1.00 ± .08	0.96 ± .07	0.86 ± .05

C) Zusammenstellung der Messdaten von den ^3H -He-Proben

Die folgenden Tabellen fassen die Messwerte der Temperatur, des Sauerstoffes, des Tritiums, des Heliums und des Neons aus den in den Kapiteln 6, 7 und 8 behandelten Seen zusammen. Als einzige abgeleitete Grösse wird das Wasseralter angegeben. Die Daten sind geordnet nach: 1. See, 2. Probenahmestelle, 3. Probenahmedatum, 4. Tiefe. Die Spalten der Tabellen enthalten die folgenden Daten:

Beschreibung der Spalten

- LC: Identifikationscode der Probe sowie Datum der Probenahmen
 h: Probenahmetiefe in m
 T: Wassertemperatur in °C
 O₂: Sauerstoffgehalt in mg/l (normal: nach Winkler; kursiv: mit Sonde)
 ^3H : Tritiumgehalt in TU (kursiv: für die Altersberechnung interpolierte Werte)
 ^4He : ^4He -Konzentration in $10^{-8} \text{ cm}^3\text{STP/g}$ (kursiv: interpolierte Werte)
 R: $^3\text{He}/^4\text{He}$ -Verhältnis in 10^{-6}
 ^{20}Ne : ^{20}Ne -Konzentration in $10^{-7} \text{ cm}^3\text{STP/g}$ (kursiv: interpolierte Werte)
 τ : Wasseralter in Jahren
 δX : 1σ -Messfehler der jeweils vorangehenden Grösse X
 Bem: Hinweis auf eine (oder mehrere) der im folgenden aufgeführten Bemerkungen

Liste der Bemerkungen

- a: Unvollständige Extraktion bei der ^3H -Bestimmung (korrigiert mit Blank)
 b: Unvollständige Extraktion bei der He-Ne-Messung
 c: Tritium bewusst nicht gemessen
 d: Kein Tritiumresultat wegen experimenteller Probleme
 e: Tritiumresultat von Schwesterprobe oder 11-Probe übernommen
 f: Keine Heliumresultate wegen experimenteller Probleme
 g: Keine Neonresultate wegen experimenteller Probleme
 h: Nur Isotopenverhältnisse, keine Konzentrationen (teilweise abgepumpt)
 i: Tritium aus Modellrechnung abgeschätzt (für Altersberechnung)
 k: Bedeutende Luftkorrektur beim Tritium
 l: Luftkorrektur beim Helium und Neon

C1) Zugersee (zu Kap. 6.1.3)

Höhe ü. M.: 413 m, mittlerer Luftdruck 968.2 mbar.

ZG3 (Nordbecken)

LC	h	T	O ₂	^3H	$\delta^3\text{H}$	^4He	$\delta^4\text{He}$	R	δR	^{20}Ne	$\delta^{20}\text{Ne}$	τ	$\delta\tau$	Bem
2.4.1992														
WA,50,121	20	4.81		45.97	1.50	4.547	0.032	1.443	0.008	1.831	0.018	0.58	0.10	
WA,50,120	60	4.33		45.97	1.39	4.668	0.033	1.575	0.008	1.851	0.019	1.71	0.11	
WA,50,83	100	4.51				3.309	0.023	2.109	0.012	1.351	0.013			b, c
WA,50,98	120	4.52		48.44	1.55	4.597	0.033	2.170	0.011	1.847	0.019	4.89	0.17	

ZG5 (tiefste Stelle)

LC	h	T	O ₂	³ H	δ ³ H	⁴ He	δ ⁴ He	R	δR	²⁰ Ne	δ ²⁰ Ne	τ	δτ	Bem
16.8.1991														
WA,50,129	0	23.22	10.20	42.79	1.41	4.203	0.030	1.353	0.009	1.585	0.016	-0.13	0.10	
WA,50,178	10	14.11	4.85	46.37	1.40	4.290	0.030	1.425	0.009	1.686	0.014	0.29	0.10	d
WA,50,151	20	5.68	6.60	49.60	1.34					1.840	0.017			f
WA,50,149	30	4.82	6.55	49.10	1.38	4.526	0.032	1.558	0.009	1.835	0.016	1.23	0.10	
WA,50,161	40	4.58	6.19	48.95	1.65	4.534	0.032	1.605	0.009	1.841	0.016	1.53	0.11	a
WA,50,185	60	4.48	5.10	50.44	1.47	4.581	0.032	1.688	0.010	1.846	0.016	2.07	0.11	
WA,50,141	80	4.51	3.62	50.81	1.61	4.610	0.033	1.788	0.009	1.833	0.017	2.69	0.12	a
WA,50,155	100	4.54	2.03	53.78	1.24	4.579	0.032	1.931	0.011	1.844	0.016	3.24	0.12	
WA,50,147	120	4.55	0.45	53.85	1.48	4.668	0.033	2.069	0.011	1.861	0.016	4.12	0.14	
WA,50,137	140	4.56	0.10	52.42	1.51	4.649	0.033	2.155	0.011	1.843	0.016	4.61	0.15	
WA,50,150	160	4.56	0.10	52.55	1.57	4.676	0.033	2.223	0.012	1.840	0.015	4.99	0.16	a
WA,50,166	177	4.56	0.10	52.82	1.54	4.689	0.033	2.278	0.012	1.841	0.016	5.26	0.17	
WA,50,146	187	4.57	0.05	52.63	1.47	4.701	0.033	2.307	0.012	1.858	0.016	5.45	0.16	
WA,44,210	197	4.57	0.00	52.80	1.41	4.563	0.041	2.318	0.012	1.832	0.015	5.17	0.17	
WA,50,128	197	4.57	0.00	52.19	1.46	4.622	0.033	2.329	0.011	1.832	0.015	5.41	0.16	
2.4.1992														
WA,50,59	0	4.81	8.98	46.97	1.50	4.578	0.032	1.495	0.008	1.832	0.015	0.98	0.10	
WA,50,118	20	4.46	8.22	44.99	1.39	4.555	0.033	1.500	0.008	1.809	0.018	0.99	0.11	
WA,50,52	40	4.47	8.15	46.31	1.23	4.533	0.032	1.519	0.008	1.808	0.015	1.04	0.10	e
WA,50,64	60	4.44	8.10	43.64	1.24	4.604	0.033	1.542	0.008	1.857	0.016	1.43	0.11	
WA,50,122	80	4.30	6.86	47.53	1.44	4.581	0.032	1.619	0.007	1.821	0.015	1.75	0.11	
WA,50,152	100	4.40	4.38	48.43	1.50	4.661	0.033	1.753	0.008	1.851	0.015	2.71	0.12	a
WA,50,125	120	4.48	1.29	49.42	1.50	4.643	0.033	1.895	0.010			3.44	0.14	h
WA,50,108	140	4.54	0.40	51.54	1.57	4.626	0.033	2.070	0.010	1.830	0.017	4.19	0.15	
WA,50,70	160	4.55	0.25	51.63	1.52	4.569	0.032	2.165	0.010	1.827	0.016	4.54	0.15	
WA,50,127	177	4.56	0.25	50.77	1.79	4.588	0.033	2.188	0.011	1.836	0.018	4.77	0.18	a
WA,50,165	197	4.58	0.25	55.89	1.54	4.633	0.033	2.240	0.011	1.843	0.017	4.72	0.15	
18.11.1992														
WA,70,95	0	9.29	10.25	40.35	0.83	4.444	0.027	1.388	0.009	1.736	0.015	0.21	0.11	
WA,70,10	20	8.86	8.81	41.26	0.72	4.440	0.027	1.373	0.007	1.723	0.013	0.06	0.10	
WA,70,629	40	4.79	6.15	43.67	0.85	4.585	0.028	1.600	0.009	1.845	0.014	1.80	0.10	a
WA,70,55	60	4.48	5.09	44.74	0.75	4.612	0.028	1.681	0.008	1.844	0.015	2.34	0.10	
WA,70,636	80	4.46	3.04	45.04	0.85	4.623	0.028	1.791	0.010	1.843	0.015	3.05	0.11	
WA,70,42	100	4.50	1.48	45.70	1.00	4.610	0.028	1.910	0.010	1.833	0.015	3.70	0.12	
WA,70,126	120	4.57	0.29	46.55	0.97	4.629	0.028	1.982	0.010	0.000	0.000	4.10	0.12	
WA,70,6	140	4.61	0.31	46.96	0.82	4.614	0.028	2.065	0.010	1.837	0.016	4.50	0.12	
WA,70,5	160	4.61	0.18	49.20	0.80	4.638	0.028	2.042	0.010	1.831	0.015	4.25	0.11	
WA,70,134	177	4.63	0.16	48.10	0.84	4.629	0.028	2.053	0.011	1.851	0.015	4.38	0.12	
WA,70,164	197	4.69	0.00	47.24	0.90	4.634	0.028	2.066	0.010	1.829	0.015	4.54	0.12	
5.5.1993														
WA,82,86	20	5.00	8.22	39.90	1.00	4.551	0.032	1.460	0.008	1.787	0.017	0.81	0.12	i
WA,82,92	40	5.00	7.35	40.50	1.00	4.615	0.039	1.544	0.013			1.59	0.15	g, i
WA,82,5	60	5.00	5.88	41.29	1.00	4.577	0.032	1.611	0.008	1.829	0.019	1.96	0.12	i
WA,82,2	80	5.00	4.40	42.13	1.00	4.597	0.033	1.736	0.010	1.800	0.026	2.83	0.13	i
WA,82,158	100	5.00	3.26	42.80	1.00	4.591	0.033	1.763	0.008	1.827	0.019	2.96	0.12	i
WA,82,117	120	5.00	2.22	43.64	1.00	4.598	0.033	1.831	0.010	1.806	0.026	3.35	0.13	i
WA,82,30	160	5.00	0.13	45.76	1.00	4.607	0.033	2.067	0.011	1.809	0.019	4.61	0.14	i
WA,82,58	180	5.00	0.12	46.16	1.00	4.635	0.033	2.078	0.009	1.822	0.018	4.70	0.14	i
WA,82,139	197	5.00	0.13	46.41	1.00	4.652	0.033	2.094	0.011	1.831	0.018	4.81	0.14	i

C2) Luganersee (zu Kap. 6.5.3)

Höhe ü. M.: 271 m, mittlerer Luftdruck 983.9 mbar.

LU1 (vor Gandria)

LC	h	T	O ₂	³ H	δ ³ H	⁴ He	δ ⁴ He	R	δR	²⁰ Ne	δ ²⁰ Ne	τ	δτ	Bem
16.5.1990														
WA,52,16	0	18.70		32.14	1.30	4.392	0.057	1.367	0.007	1.678	0.016	0.14	0.19	d
WA,52,27	20	7.45		35.63	1.41	4.608	0.060	1.531	0.008	1.827	0.017	1.64	0.19	a
WA,52,28	50	5.73		36.29	1.06	4.716	0.062	1.981	0.009	1.809	0.017	5.26	0.23	
WA,52,20	70	5.54		40.60	1.30	4.711	0.061	2.615	0.011	1.833	0.017	8.42	0.29	d
WA,52,3	90	5.46		43.14	1.47	4.822	0.065	3.216	0.014	1.864	0.018	11.13	0.34	a
WA,52,26	110	5.42		44.69	1.29	5.021	0.066	3.587	0.015	1.856	0.019	12.91	0.33	
WA,52,9	120	5.40		46.40	1.24	4.859	0.063	3.792	0.013	1.868	0.017	12.89	0.31	
WA,52,2	140	5.40		46.37	1.01	4.798	0.063	4.003	0.019	1.817	0.017	13.48	0.28	
WA,52,14	150	5.40		47.19	1.48	4.941	0.064	4.129	0.017	1.852	0.017	14.16	0.36	a
WA,52,1	165	5.41		47.65	1.17	4.851	0.064	4.266	0.011	1.799	0.017	14.27	0.31	a
WA,52,30	180	5.42		47.09	1.34	5.203	0.069	4.328	0.016	1.836	0.018	15.58	0.36	
WA,52,25	200	5.43		49.12	1.30	5.127	0.067	4.425	0.014			15.25	0.33	d, g
WA,52,22	210	5.43		49.39	1.30	5.036	0.066	4.501	0.017	1.825	0.017	15.19	0.33	d
WA,52,7	235	5.44		47.92	1.47	5.026	0.066	4.540	0.018	1.835	0.018	15.60	0.38	a
WA,52,4	250	5.45		49.90	1.30	5.080	0.066	4.584	0.018	1.848	0.017	15.47	0.33	d
WA,52,24	265	5.45		51.34	1.34	5.073	0.067	4.448	0.016			14.73	0.32	g
WA,52,11	275	5.46		49.84	1.38	5.237	0.068	4.549	0.021	1.903	0.019	15.80	0.35	
WA,52,5	285	5.47		49.38	1.27	5.199	0.068	4.599	0.019			15.95	0.33	g
1.12.1992														
WA,70,146	0	10.14	9.40	24.30	0.63	4.510	0.028	1.392	0.008	1.748	0.013	0.44	0.17	
WA,70,140	25	7.38	5.71	28.99	0.68	4.668	0.028	1.608	0.007	1.836	0.013	2.96	0.15	
WA,70,48	50	5.63	5.24	30.19	0.65	4.762	0.029	1.956	0.010	1.865	0.015	6.10	0.17	
WA,70,129	70	5.46	2.62	32.50	0.69	4.814	0.029	2.374	0.011	1.855	0.015	8.84	0.19	
WA,70,213	90	5.45	0.14	35.41	0.71	4.964	0.030	3.123	0.014	1.859	0.014	12.84	0.22	
WA,70,173	110	5.45	0.04	39.17	0.76	4.974	0.032	3.639	0.020	1.848	0.018	14.24	0.23	a
WA,70,186	130	5.45	0.00	39.57	0.81									f,g
WA,70,8	150	5.46	0.00	40.89	0.76	5.100	0.031	4.190	0.019	1.850	0.016	16.30	0.23	
WA,70,142	170	5.46	0.00	40.66	0.76	5.107	0.031	4.340	0.019	1.870	0.014	16.92	0.23	
WA,70,67	190	5.47	0.00	41.71	0.77	5.139	0.031	4.419	0.019	1.861	0.015	17.01	0.23	
WA,70,121	210	5.47	0.00	40.46	0.71	5.145	0.031	4.505	0.019	1.855	0.015	17.66	0.23	
WA,70,144	233	5.48	0.00	42.38	0.86	5.183	0.032	4.549	0.020	1.866	0.017	17.40	0.25	
WA,70,47	258	5.49	0.00	42.44	0.78	5.174	0.032	4.514	0.016	1.857	0.013	17.24	0.23	
WA,70,116	283	5.50	0.00	42.19	0.76	5.234	0.032	4.490	0.019	1.850	0.015	17.40	0.23	

LU2 (vor Lugano)

LC	h	T	O ₂	³ H	δ ³ H	⁴ He	δ ⁴ He	R	δR	²⁰ Ne	δ ²⁰ Ne	τ	δτ	Bem
15.5.1990														
WA,52,19	212	5.43		50.00	1.31	5.170	0.068	4.411	0.017	1.935	0.018	15.14	0.33	c, e
WA,52,8	212	5.43		50.00	1.31	5.067	0.066	4.436	0.018	1.815	0.017	14.95	0.33	c, e
WA,52,34	212	5.43		50.00	1.31	5.051	0.066	4.360	0.018	1.837	0.020	14.66	0.33	
WA,52,29	212	5.43		50.00	1.31	5.246	0.068	4.452	0.016	1.883	0.019	15.48	0.33	c, e

C3) Vierwaldstättersee (zu Kap. 7.4)

Höhe ü. M.: 434 m, mittlerer Luftdruck 965.7 mbar.

C3.1) Alpenersee

AL1 (tiefste Stelle)

LC	h	T	O ₂	³ H	δ ³ H	⁴ He	δ ⁴ He	R	δR	²⁰ Ne	δ ²⁰ Ne	τ	δτ	Bem
11.3.1991														
WA,26,150	0	4.50		26.35	1.16	4.606	0.028	1.355	0.007	1.818	0.017	-0.06	0.09	k
WA,26,137	10	4.17		24.43	1.00	4.583	0.028	1.359	0.008	1.845	0.017	-0.01	0.10	
WA,26,146	20	4.06		23.68	0.98	4.586	0.028	1.356	0.007	1.860	0.017	-0.05	0.09	
WA,26,178	30	3.94		25.14	1.32	4.592	0.028	1.374	0.008	1.852	0.017	0.19	0.10	d, e
WA,26,143	30	3.94		25.14	1.32									f, g, k
20.11.1991														
WA,40,180	5	8.51	8.7	25.85	0.70	4.506	0.036	1.377	0.009	1.767	0.018	0.21	0.11	k
WA,40,181	15	8.51	8.6	23.90	0.80	4.563	0.038	1.383	0.011			0.32	0.15	g
WA,40,635	25	6.59	3.4	23.43	0.83	4.549	0.037	1.422	0.010	1.868	0.019	0.85	0.14	
WA,40,188	32	5.86	0.8	23.67	0.66	4.658	0.039	1.443	0.012	1.840	0.019	1.15	0.16	
24.3.1992														
WA,50,153	10	4.94	12.13	21.07	0.74	4.652	0.033	1.369	0.008	1.856	0.021	0.15	0.13	k
WA,50,182	30	4.62	11.96	24.05	0.95	4.613	0.033	1.377	0.008	1.848	0.022	0.24	0.11	
21.7.1992														
WA,62,241	10	12.32	6.60	22.42	0.57	4.578	0.032	1.342	0.007	1.746	0.019	0.23	0.23	
WA,62,233	30	5.72	6.44	22.47	0.54	4.570	0.032	1.393	0.007	1.838	0.020	0.48	0.10	

C3.2) Gersauersee

GE1 (Niederdorf)

LC	h	T	O ₂	³ H	δ ³ H	⁴ He	δ ⁴ He	R	δR	²⁰ Ne	δ ²⁰ Ne	τ	δτ	Bem
18.4.1991														
WA,28,82	20	5.86		30.49	0.81	4.574	0.037	1.386	0.008	1.800	0.016	0.46	0.15	d
WA,25,112	40	5.59		30.77	1.07	4.579	0.028	1.411	0.007	1.817	0.018	0.71	0.13	a
WA,32,83	50	5.44		29.88	0.73	4.605	0.037	1.426	0.007	1.822	0.024	0.96	0.15	
WA,25,61	60	5.34		30.60	0.79	4.562	0.028	1.447	0.007	1.815	0.018	1.02	0.13	
WA,25,51	81	5.29		30.03	1.07	4.550	0.028	1.449	0.008	1.824	0.018	1.02	0.14	a
WA,25,107	97	5.28		30.10	1.06	4.556	0.028	1.459	0.008	1.789	0.018	1.14	0.14	a
WA,25,94	117	5.24		31.48	0.83	4.559	0.028	1.454	0.007	1.809	0.018	1.05	0.13	
WA,25,38	148	5.21		30.25	1.04	4.572	0.028	1.504	0.009	1.796	0.018	1.63	0.15	a
WA,28,68	168	5.20		31.70	0.67	4.615	0.037	1.553	0.008	1.797	0.016	2.14	0.15	
WA,28,36	188	5.20		33.12	0.72	4.611	0.037	1.593	0.009	1.823	0.017	2.40	0.15	
WA,25,55	208	5.21		31.56	0.86	4.654	0.030	1.646	0.007	1.810	0.019	3.12	0.14	
18.11.1991														
WA,50,55	90	5.48	9.68	29.00	0.89	4.641	0.033	1.499	0.009	1.829	0.018	1.54	0.10	
WA,50,624	120	5.28	9.52	30.36	0.83	4.553	0.032	1.524	0.009	1.782	0.017	1.77	0.15	
WA,50,636	150	5.22	8.97	30.22	0.90	4.576	0.032	1.566	0.009	1.804	0.018	2.26	0.16	

GE2 (Gersau, tiefste Stelle)

LC	h	T	O ₂	³ H	δ ³ H	⁴ He	δ ⁴ He	R	δR	²⁰ Ne	δ ²⁰ Ne	τ	δτ	Bem
13.11.1990														
WA,6,109	10	10.39	10.50	28.19	0.92	4.444	0.027	1.363	0.008	1.757	0.034	0.12	0.14	
WA,6,27	38	6.52	8.50	31.62	0.99	4.581	0.028	1.439	0.008	1.815	0.035	1.03	0.13	
WA,6,16	77	5.79	9.10	30.61	0.94	4.636	0.028	1.506	0.008	1.814	0.035	1.86	0.14	
WA,6,22	115	5.58	9.30	31.40	0.90	4.603	0.038	1.528	0.007	1.853	0.037	1.92	0.15	
WA,6,24	154	5.38	8.60	32.59	0.90	4.605	0.029	1.661	0.009	1.827	0.035	3.03	0.15	
WA,6,28	202	5.21	5.60	36.57	1.06	4.645	0.028	1.792	0.008	1.845	0.035	3.81	0.15	
11.3.1991														
WA,26,155	210	5.27		34.01	1.12	4.661	0.029	1.786	0.009	1.831	0.017	4.07	0.17	
17.4.1991														
WA,28,85	0	8.11		30.10	0.61	4.524	0.037	1.369	0.007	1.792	0.016	0.13	0.18	
WA,25,79	40	5.42	10.60	30.62	0.76	4.555	0.028	1.436	0.008	1.804	0.018	0.89	0.13	
WA,25,95	81	5.24	10.80	28.83	0.86	4.579	0.028	1.465	0.008	1.813	0.018	1.31	0.14	
WA,25,67	121	5.20	10.10	30.85	0.81	4.576	0.028	1.510	0.008	1.818	0.018	1.67	0.14	
WA,25,62	161	5.20	8.10	33.22	0.83	4.599	0.028	1.594	0.007	1.843	0.019	2.36	0.13	
WA,25,109	192	5.20	7.60	34.47	0.94	4.614	0.028	1.636	0.008	1.781	0.018	2.69	0.14	
WA,25,42	212	5.21	6.80	32.05	1.03	4.609	0.028	1.655	0.008	1.798	0.018	3.02	0.15	a
24.7.1991														
WA,32,81	208	5.22	4.70	30.66	0.79	4.579	0.037	1.666	0.009	1.798	0.024	3.15	0.17	a
18.11.1991														
WA,50,634	0	9.30	10.64	23.74	0.85	4.468	0.033	1.363	0.009	1.731	0.017	0.15	0.19	
WA,50,625	30	7.47	8.75	27.01	0.87	4.647	0.033	1.424	0.008	1.806	0.017	0.77	0.16	
WA,50,640	60	5.69	9.17	30.44	0.86	4.554	0.032	1.460	0.007			1.16	0.14	g
WA,50,638	90	5.45	9.52	32.64	0.91	4.580	0.032	1.489	0.008	1.815	0.018	1.42	0.14	
WA,50,144	120	5.27	10.78	29.81	0.83	4.627	0.033	1.523	0.009	1.803	0.017	2.01	0.16	
WA,50,631	150	5.22	8.85	31.92	0.84	4.494	0.032	1.557	0.007	1.813	0.019	1.90	0.14	
WA,50,140	180	5.21	8.15	31.60	0.80	4.565	0.032	1.590	0.009	1.837	0.018	2.35	0.15	
WA,50,626	210	5.24	4.24	30.63	1.04	4.617	0.033	1.659	0.010	1.807	0.017	3.21	0.18	a
23.3.1992														
WA,50,10	90	5.07	10.34	28.60	0.78	4.620	0.033	1.457	0.007	1.831	0.017	1.36	0.15	
WA,50,8	150	5.05	9.36	28.35	0.86	4.588	0.033	1.489	0.008	1.813	0.017	1.61	0.16	
WA,50,119	210	5.14	7.47	29.37	1.26	4.650	0.033	1.562	0.009	1.838	0.017	2.49	0.18	d
21.7.1992														
WA,62,234	48	5.70	9.59	26.85	0.60	4.618	0.033	1.420	0.008	1.823	0.020	1.06	0.16	
WA,62,244	101	5.20	9.69	27.08	0.57	4.631	0.033	1.464	0.008	1.830	0.021	1.56	0.16	
WA,62,251	151	5.09	9.19	28.20	0.53	4.632	0.033	1.498	0.007	1.837	0.020	1.86	0.15	f
WA,62,229	182	5.07	7.81	28.18	0.58	4.632	0.033	1.510	0.007	1.822	0.019	1.99	0.15	
WA,62,235	210	5.11	8.29	28.12	0.65	4.611	0.033	1.551	0.008	1.831	0.019	2.36	0.16	a
10.11.1992														
WA,66,135	10	10.36	10.28	22.67	0.84	4.465	0.036	1.352	0.011	1.700	0.019	0.08	0.23	
WA,70,3	40	6.00	8.86	25.90	0.58	4.567	0.028	1.440	0.008	1.808	0.017	1.18	0.16	
WA,66,9	80	5.46	9.13	26.54	1.15	4.572	0.102	1.459	0.013	1.766	0.018	1.35	0.39	a, l
WA,70,105	120	5.20	9.21	26.31	0.61	4.588	0.028	1.496	0.007	1.812	0.014	1.83	0.15	
WA,66,51	150	5.09	8.20	26.66	0.80	4.634	0.037	1.513	0.011	1.827	0.020	2.14	0.20	
WA,70,187	180	5.09	7.93	27.97	0.63	4.648	0.028	1.539	0.008	1.814	0.015	2.36	0.15	
WA,66,113	210	5.15	3.58	27.50	0.63	4.698	0.056	1.543	0.011	1.822	0.026	2.62	0.24	

GE3 (Treibbecken)

LC	h	T	O ₂	³ H	δ ³ H	⁴ He	δ ⁴ He	R	δR	²⁰ Ne	δ ²⁰ Ne	τ	δτ	Bem
13.11.1990														
WA,6,20	115	5.78		30.14	0.83	4.635	0.028	1.495	0.008	1.824	0.035	1.77	0.14	
17.4.1991														
WA,25,90	81	5.31		29.74	0.82	4.555	0.028	1.456	0.007	1.813	0.018	1.11	0.13	
WA,32,98	101	5.28		30.60	0.93	4.605	0.037	1.476	0.008	1.821	0.024	1.44	0.16	d
WA,25,89	121	5.27		31.45	1.05	4.572	0.028	1.479	0.008			1.33	0.14	a, g
18.11.1991														
WA,50,42	90	5.57	9.27	30.05	0.79	4.585	0.033	1.463	0.008	1.818	0.017	1.29	0.15	
WA,50,633	120	5.49	9.29	30.49	0.87	4.623	0.033	1.477	0.008	1.798	0.017	1.52	0.15	
23.3.1992														
WA,50,9	120	5.10	10.09	28.52	0.86	4.646	0.033	1.430	0.008	1.806	0.017	1.16	0.16	

C3.3) Urnersee

UR1 (Morschach)

LC	h	T	O ₂	³ H	δ ³ H	⁴ He	δ ⁴ He	R	δR	²⁰ Ne	δ ²⁰ Ne	τ	δτ	Bem
17.4.1991														
WA,28,60	20	5.73		29.14	0.76	4.707	0.038	1.361	0.007	1.764	0.016	0.60	0.16	a
WA,25,35	60	5.38		29.31	1.01	4.680	0.029	1.397	0.008	1.771	0.018	0.89	0.14	a
WA,25,80	81	5.37		29.30	0.99	4.660	0.028	1.402	0.008	1.796	0.018	0.89	0.14	a
WA,25,44	101	5.37		31.61	0.92	4.610	0.028	1.419	0.008	1.791	0.018	0.85	0.13	
WA,25,47	118	5.36		30.29	1.00	4.622	0.028	1.428	0.008	1.773	0.018	1.01	0.14	d
WA,25,57	138	5.37		30.52	0.82	4.602	0.028	1.418	0.007	1.787	0.018	0.84	0.13	
WA,25,97	158	5.36		29.79	0.92	4.603	0.028	1.446	0.008	1.816	0.018	1.16	0.14	
WA,28,41	179	5.35		30.23	0.67	4.639	0.037	1.451	0.008	1.780	0.016	1.31	0.16	
WA,28,39	196	5.34		29.73	0.72	4.610	0.037	1.454	0.008	1.776	0.016	1.27	0.16	

UR2 (Sisikon)

LC	h	T	O ₂	³ H	δ ³ H	⁴ He	δ ⁴ He	R	δR	²⁰ Ne	δ ²⁰ Ne	τ	δτ	Bem
13.11.1990														
WA,6,14	38	6.37		29.05	0.90	4.882	0.030	1.361	0.007	1.823	0.035	1.17	0.15	
WA,6,34	77	5.81		30.18	0.97	4.961	0.030	1.371	0.008	1.837	0.035	1.42	0.15	
WA,6,9	115	5.67		31.90	1.19	4.830	0.090	1.449	0.008	1.826	0.047	1.78	0.28	
WA,6,3	182	5.66		32.68	1.00	4.768	0.029	1.447	0.008	1.830	0.035	1.55	0.14	
17.4.1991														
WA,28,75	0	6.02		28.34	0.61	4.773	0.039	1.347	0.007	1.760	0.016	0.67	0.16	
WA,25,48	40	5.44		29.93	1.00	4.693	0.029	1.373	0.007	1.813	0.018	0.66	0.13	a
WA,25,99	81	5.34		29.57	0.82	4.652	0.028	1.382	0.007	1.808	0.018	0.63	0.14	
WA,25,72	121	5.34		28.31	1.02	4.655	0.028	1.400	0.008	1.809	0.018	0.87	0.15	a
WA,25,87	192	5.34		31.48	0.84	4.643	0.028	1.439	0.008	1.809	0.018	1.15	0.13	
24.7.1991														
WA,32,106	190	5.36	9.10	30.15	0.69	4.681	0.038	1.443	0.007	1.791	0.023	1.36	0.15	

UR2 (Sisikon) Fortsetzung

LC	h	T	O ₂	³ H	δ ³ H	⁴ He	δ ⁴ He	R	δR	²⁰ Ne	δ ²⁰ Ne	τ	δτ	Bem
18.11.1991														
WA,50,629	30	7.45	10.00	27.06	0.83	4.554	0.032	1.327	0.008	1.750	0.016	0.14	0.20	
WA,50,164	60	5.84	9.36	28.88	0.90	4.822	0.034	1.414	0.007			1.55	0.16	g
WA,50,632	90	5.66	9.14	28.03	0.84	4.746	0.034	1.445	0.008	1.795	0.018	1.69	0.16	
WA,50,641	120	5.43	9.47	32.14	1.00	4.719	0.035	1.436	0.009	1.778	0.017	1.32	0.15	f
WA,50,639	150	5.39	9.40	29.80	0.86	4.694	0.033	1.454	0.009	1.791	0.017	1.52	0.16	
WA,50,43	190	5.38	6.28	29.94	0.86	4.779	0.034	1.476	0.008	1.798	0.017	2.00	0.16	
23.3.1992														
WA,50,6	90	5.09	10.59	27.31	0.84	4.866	0.034	1.361	0.008	1.832	0.019	1.10	0.17	
WA,50,4	150	5.07	10.37	30.52	0.95	4.758	0.034	1.400	0.008	1.845	0.018	1.10	0.15	k
WA,50,134	190	5.09	10.43	27.26	0.88	4.681	0.033	1.405	0.009	1.828	0.017	1.03	0.17	
21.7.1992														
WA,62,228	91	5.31	9.64	27.58	0.55	4.720	0.033	1.404	0.006	1.820	0.019	1.15	0.15	
WA,62,231	121	5.23	9.26	27.71	0.61	4.748	0.034	1.406	0.008	1.833	0.019	1.25	0.16	
WA,62,230	151	5.18	9.41	26.75	0.51	4.766	0.034	1.404	0.008	1.815	0.019	1.33	0.17	
WA,62,226	192	5.17	7.86	27.94	0.72	4.827	0.034	1.401	0.008	1.819	0.019	1.42	0.16	k

C3.4) Vitznauersee

VII (vor Horwer Bucht)

LC	h	T	O ₂	³ H	δ ³ H	⁴ He	δ ⁴ He	R	δR	²⁰ Ne	δ ²⁰ Ne	τ	δτ	Bem
11.3.1991														
WA,26,130	33	5.38		29.09	1.05	4.511	0.028	1.424	0.008	1.812	0.017	0.70	0.09	
WA,26,166	53	4.98		29.08	0.96	4.547	0.028	1.396	0.008	1.818	0.017	0.40	0.09	
WA,26,141	68	4.72		30.87	1.01	4.559	0.028	1.397	0.008	1.855	0.017	0.39	0.08	
WA,26,157	73	4.79		30.23	1.00	4.599	0.028	1.396	0.008	1.809	0.017	0.39	0.08	d

VI3 (Obermatt)

LC	h	T	O ₂	³ H	δ ³ H	⁴ He	δ ⁴ He	R	δR	²⁰ Ne	δ ²⁰ Ne	τ	δτ	Bem
13.11.1990														
WA,6,7	19	10.51	10.10	32.62	0.94	4.454	0.027	1.363	0.008	1.741	0.033	0.13	0.13	d
WA,6,5	58	5.82	8.60	32.88	0.95	4.538	0.028	1.490	0.007	1.830	0.035	1.31	0.12	
WA,6,30	96	5.31	8.20	31.92	0.92	4.584	0.028	1.542	0.008	1.817	0.035	1.95	0.14	
WA,6,8	139	5.20	6.10	33.05	0.95	4.688	0.029	1.623	0.009	1.864	0.036	2.66	0.25	
18.4.1991														
WA,32,108	0	7.69		30.43	0.81	4.477	0.036	1.375	0.007	1.773	0.023	0.17	0.15	d
WA,25,46	20	5.92	11.20	31.02	0.85	4.530	0.029	1.404	0.007	1.732	0.018	0.52	0.13	
WA,25,43	41	5.18	10.20	27.50	1.00	4.554	0.028	1.401	0.007	1.799	0.018	0.57	0.14	a
WA,32,93	51	5.05		30.20	0.68	4.564	0.037	1.434	0.008	1.806	0.024	0.89	0.16	
WA,25,113	58	4.92		31.06	0.81	4.549	0.028	1.425	0.007	1.799	0.018	0.71	0.13	
WA,25,110	78	4.85	10.30	29.52	0.81	4.554	0.028	1.429	0.008	1.802	0.018	0.80	0.14	
WA,25,104	98	4.80	9.80	30.26	0.83	4.562	0.028	1.423	0.007	1.807	0.018	0.75	0.13	
WA,25,102	124	4.81	9.80	31.09	0.89	4.575	0.028	1.441	0.008	1.819	0.018	0.95	0.13	
WA,25,101	149	4.82	9.40	30.87	0.91	4.576	0.028	1.448	0.008	1.773	0.018	1.03	0.13	

VI3 (Obermatt) Fortsetzung

LC	h	T	O ₂	³ H	δ ³ H	⁴ He	δ ⁴ He	R	δR	²⁰ Ne	δ ²⁰ Ne	τ	δτ	Bem
24.7.1991														
WA,32,71	110	4.84	9.50	29.47	0.68	4.573	0.037	1.464	0.008	1.814	0.024	1.23	0.16	
WA,32,37	147	4.82	5.90	30.81	0.72	4.579	0.037	1.487	0.008	1.802	0.024	1.43	0.15	
18.11.1991														
WA,50,621	30	6.64	9.00	28.08	0.93	4.644	0.033	1.419	0.009	1.796	0.018	0.69	0.10	
WA,50,623	60	5.31	8.96	28.63	0.85	4.558	0.033	1.444	0.008	1.788	0.017	1.04	0.16	f
WA,50,627	80	5.02	9.37	28.44	0.82	4.558	0.032	1.476	0.008	1.837	0.019	1.37	0.15	d
WA,50,628	100	4.90	9.19	28.13	0.79	4.578	0.032	1.482	0.008	1.831	0.018	1.51	0.16	
WA,50,630	125	4.89	7.96	29.14	1.11	4.520	0.032	1.492	0.009	1.800	0.018	1.54	0.16	a
WA,50,637	150	4.86	4.06	28.29	0.92	4.568	0.032	1.519	0.008	1.790	0.019	1.86	0.16	
WA,50,76	152	4.86	3.70	30.24	0.82	4.625	0.033	1.521	0.008	1.815	0.017	1.94	0.15	
23.3.1992														
WA,50,173	90	4.71	10.13	27.64	0.86	4.580	0.032	1.440	0.008	1.795	0.018	1.06	0.16	
WA,50,124	120	4.68	10.23	30.45	0.99	4.658	0.033	1.424	0.008	1.856	0.019	1.03	0.15	
WA,50,114	150	4.74	7.95	28.05	0.87	4.600	0.033	1.467	0.008	1.800	0.017	1.40	0.16	
21.7.1992														
WA,62,250	56	5.01	9.64	26.87	0.59	4.598	0.033	1.433	0.011	1.817	0.019	1.09	0.18	
WA,62,238	87	4.77	9.22	26.91	0.56	4.637	0.033	1.448	0.008	1.797	0.019	1.38	0.16	
WA,62,239	117	4.74	8.74	25.75	0.56	4.622	0.033	1.435	0.010	1.840	0.020	1.22	0.19	h
WA,62,232	147	4.76	6.16	26.80	0.60	4.606	0.033	1.472	0.007	1.837	0.019	1.56	0.16	

VI5 (Kreuztrichter)

LC	h	T	O ₂	³ H	δ ³ H	⁴ He	δ ⁴ He	R	δR	²⁰ Ne	δ ²⁰ Ne	τ	δτ	Bem
11.3.1991														
WA,26,171	52	5.12		29.27	0.97	4.519	0.028	1.440	0.008	1.805	0.016	0.84	0.14	
WA,26,138	72	5.07		29.67	0.95	4.527	0.028	1.429	0.008	1.798	0.016	0.73	0.14	
WA,26,158	92	4.82		30.91	1.07	4.540	0.028	1.435	0.009	1.799	0.016	0.79	0.14	k
WA,26,167	102	4.76		28.80	1.01	4.553	0.028	1.395	0.008	1.840	0.017	0.44	0.14	
WA,26,144	107	4.75		30.19	1.06	4.605	0.028	1.389	0.007	1.834	0.017	0.52	0.13	
18.4.1991														
WA,28,50	70	5.02		28.63	0.58	4.550	0.037	1.409	0.008	1.786	0.016	0.61	0.16	
WA,25,45	90	4.93		30.73	0.79	4.560	0.028	1.421	0.007	1.862	0.019	0.72	0.13	
WA,25,63	110	4.90		30.33	1.29	4.542	0.028	1.428	0.007	1.761	0.018	0.74	0.13	
24.7.1991														
WA,32,64	109	4.89	7.70	29.40	0.63	4.584	0.037	1.445	0.007	1.816	0.024	1.07	0.16	
20.11.1991														
WA,50,223	60	5.34	8.80	28.94	0.85	4.570	0.032	1.474	0.009	1.810	0.017	1.25	0.10	
WA,50,158	90	4.98	9.10	28.06	0.78	4.518	0.032	1.477	0.009	1.800	0.017	1.31	0.10	
WA,50,213	110	4.93	7.90	27.61	0.78	4.560	0.032	1.484	0.008	1.821	0.018	1.50	0.16	
23.3.1992														
WA,50,179	60	4.68	11.40	26.90	0.80	4.584	0.033	1.396	0.008	1.829	0.018	0.59	0.16	
WA,50,142	90	4.63	10.81	27.59	1.08	4.593	0.033	1.404	0.007	1.843	0.017	0.69	0.15	a
WA,50,5	110	4.64	10.98	26.66	0.82	4.659	0.033	1.395	0.008	1.840	0.017	0.83	0.17	
21.7.1992														
WA,62,247	90	4.84	9.21	27.59	0.58	4.620	0.033	1.433	0.008	1.834	0.020	1.13	0.16	
WA,62,248	110	4.78	7.94	27.05	0.59	4.630	0.033	1.449	0.007	1.813	0.019	1.36	0.16	

VI4 (Nasenschwelle)

LC	h	T	O ₂	³ H	δ ³ H	⁴ He	δ ⁴ He	R	δR	²⁰ Ne	δ ²⁰ Ne	τ	δτ	Bem
18.4.1991														
WA,32,111	10	7.24		27.65	0.66	4.573	0.037	1.366	0.008	1.802	0.024	0.08	0.09	
WA,25,105	30	5.57		31.31	1.08	4.463	0.027	1.404	0.008	1.848	0.019	0.45	0.08	a
WA,25,103	40	5.39		28.64	1.00	4.557	0.028	1.416	0.006	1.787	0.018	0.63	0.07	d

C4) Laacher See (zu Kap. 8.1.3)

Höhe ü. M.: 275 m.

LA1 (tiefste Stelle)

LC	h	T	O ₂	³ H	δ ³ H	⁴ He	δ ⁴ He	R	δR	²⁰ Ne	δ ²⁰ Ne	τ	δτ	Bem
31.5.1991														
WA,32,100	0	15.83	13.72	32.57	0.65	4.70	0.04	1.637	0.008	1.734	0.023			
WA,32,163	5	12.37	13.99			5.36	0.04	2.243	0.013	1.774	0.023			c
WA,32,173	10	9.60	13.92	32.29	0.70	6.63	0.05	3.217	0.016	1.787	0.023			
WA,32,168	15	6.26	11.82			8.99	0.14	4.281	0.041	1.849	0.025			c, l
WA,32,179	20	5.31	12.00	33.23	0.65	10.85	0.09	4.823	0.019	1.868	0.024			
WA,32,119	25	4.91	12.08	33.23	0.63	13.02	0.11	5.243	0.023	1.841	0.024			
WA,32,131	30	4.79	11.77	32.54	0.65	13.88	0.11	5.378	0.022	1.873	0.025			
WA,32,177	35	4.55	11.58	29.98	0.66	18.08	0.15	5.851	0.019					g
WA,32,132	40	4.34	11.11	34.46	0.72	20.60	0.17	6.087	0.023	1.863	0.024			d
WA,32,172	45	4.27	10.27			22.75	0.18	6.231	0.026	1.868	0.024			
WA,32,114	51	4.32	9.93	31.28	0.61									f, g
4.9.1991														
WA,50,101	0	20.71	9.06	30.96	0.92	5.07	0.11	1.797	0.016	1.621	0.014			k, l
WA,50,79	5	20.66	10.09			4.84	0.03	1.914	0.009	1.634	0.013			c
WA,50,72	10	13.47	14.31	34.27	0.97	11.05	0.07	4.899	0.017	1.764	0.013			
WA,50,46	15	7.26	9.86			13.54	0.09	5.313	0.017	1.861	0.014			c
WA,50,44	20	5.76	8.32	33.40	0.85	25.45	0.16	6.303	0.019	1.834	0.014			
WA,50,109	25	5.26	7.65	31.10	0.86	28.69	0.18	6.480	0.019					g
WA,50,87	30	4.92	8.33	32.57	0.87	25.43	0.16	6.347	0.018	1.843	0.014			
WA,50,62	35	4.66	8.13	33.57	0.47	30.05	0.19	6.510	0.024	1.893	0.015			
WA,50,89	40	4.56	6.75	32.57	0.84	32.54	0.21	6.584	0.026	1.884	0.014			
WA,50,48	45	4.44	2.80	31.04	0.96	39.25	0.25	6.669	0.017	1.854	0.014			
WA,44,102	50	4.44	1.28	32.34	1.05	44.31	0.39	6.814	0.026					g
WA,50,110	50	4.44	1.28			44.51	0.28	6.786	0.025	1.861	0.014			c

LA2 (Lorenzfelsen)

LC	h	T	O ₂	³ H	δ ³ H	⁴ He	δ ⁴ He	R	δR	²⁰ Ne	δ ²⁰ Ne	τ	δτ	Bem
31.5.1991														
WA,32,126	0	16.44	11.11	32.25	0.59	6.62	0.05	3.674	0.018	1.607	0.021			a
WA,32,134	20	5.31	12.00	33.19	0.68	22.83	0.18	6.212	0.025	1.850	0.024			
WA,32,142	28	4.84	11.81	33.28	0.70	18.76	0.15	5.904	0.018	1.827	0.024			

LA3 (hinter Barschbuckel)

LC	h	T	O ₂	³ H	δ ³ H	⁴ He	δ ⁴ He	R	δR	²⁰ Ne	δ ²⁰ Ne	τ	δτ	Bem
4.9.1991														
WA,50,61	15	7.14	11.80	34.99	0.94	14.92	0.11	5.543	0.017	1.860	0.017			
WA,50,113	20	5.56	8.64	36.18	0.96	20.33	0.14	6.020	0.018	1.885	0.020			k