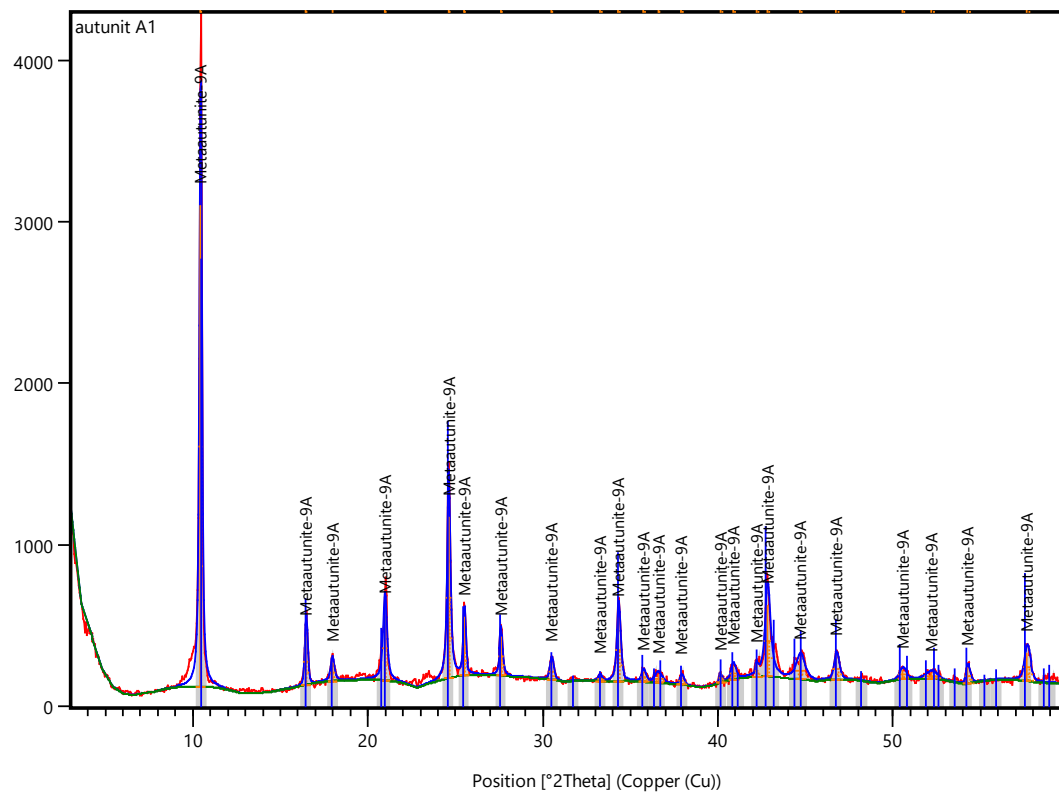


Vzorek č. 1 (metaautunit Assuncao)



$I_{rel}$	$d_{obs}$	$d_{calc}$	h	k	l
100	8,468	8,451	0	0	1
11	5,383	5,384	1	0	1
6	4,935	4,940	1	1	0
22	4,233	4,225	0	0	2
41	3,614	3,615	1	0	2
11	3,492	3,493	2	0	0
10	3,230	3,228	2	0	1
5	2,817	2,817	0	0	3
18	2,613	2,613	1	0	3
3	2,511	2,512	2	1	2
5	2,458	2,447	1	1	3
1	2,245	2,245	3	0	1
4	2,205	2,209	3	1	0
1	2,141	2,137	3	1	1
32	2,110	2,113	0	0	4
14	2,030	2,022	1	0	4
8	1,941	1,942	1	1	4
4	1,806	1,808	2	0	4
4	1,751	1,750	2	1	4
5	1,689	1,690	0	0	5
14	1,598	1,599	1	1	5

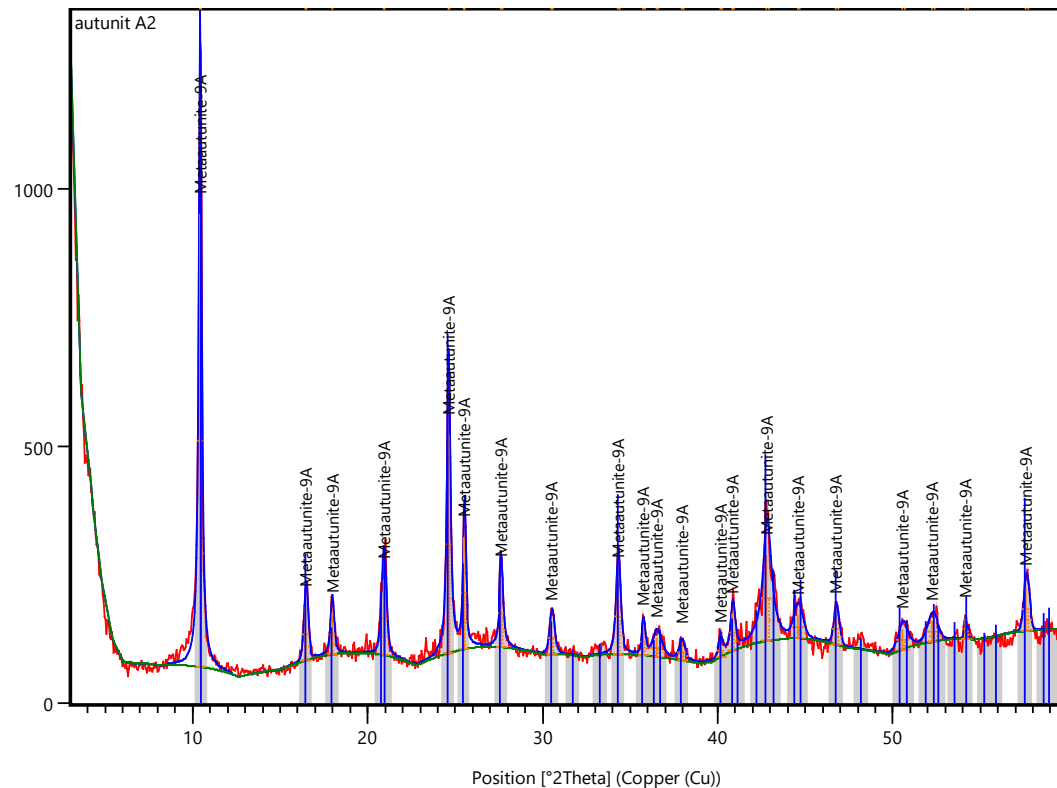
Naměřené ( $d_{obs}$ ) a vypočtené ( $d_{calc}$ ) mezivýškové vzdálenosti, jejich indexy hkl a relativní intenzity ( $I_{rel}$ )

Ref. Code	Score	Mineral Name
00-039-1351	66	Metaautunit-9A

a	b	c	alpha	beta	gamma	vol
6,986	6,986	8,451	90	90	90	412,43

Vypočtené mřížkové parametry; tet. P4/nmm

Vzorek č. 2 (metaautunit Fojtov)



Ref. Code	Score	Mineral Name
00-039-1351	69	Metaautunitite-9A

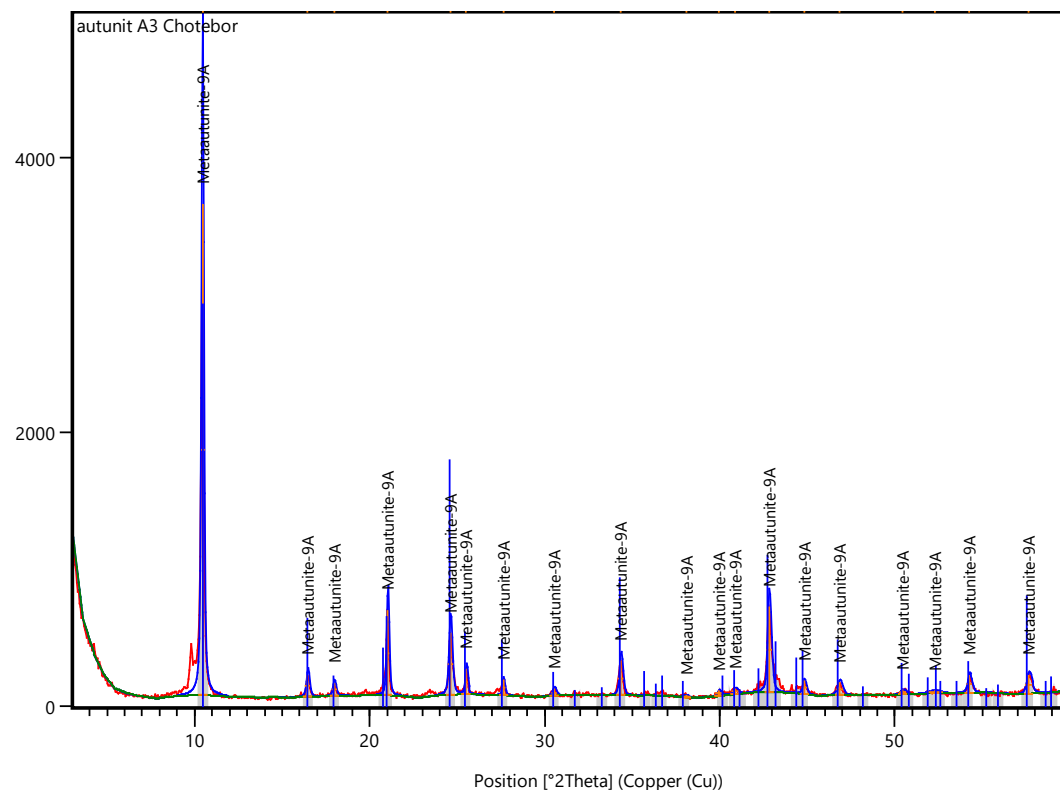
$I_{rel}$	$d_{obs}$	$d_{calc}$	h	k	l
100	8,482	8,448	0	0	1
14	5,381	5,377	1	0	1
10	4,934	4,929	1	1	0
22	4,242	4,258	1	1	1
53	3,614	3,613	1	0	2
22	3,491	3,486	2	0	0
18	3,227	3,222	2	0	1
10	2,928	2,925	2	1	1
22	2,614	2,611	1	0	3
6	2,511	2,508	2	1	2
11	2,457	2,465	2	2	0
6	2,373	2,366	2	2	1
3	2,245	2,240	3	0	1
10	2,207	2,204	3	1	0
50	2,111	2,112	0	0	4
10	2,031	2,036	3	0	2
8	1,940	1,941	1	1	4
13	1,804	1,806	2	0	4
11	1,747	1,749	2	1	4
3	1,691	1,690	0	0	5
13	1,600	1,598	1	1	5

Naměřené ( $d_{obs}$ ) a vypočtené ( $d_{calc}$ ) mezivínné vzdálenosti, jejich indexy hkl a relativní intenzity ( $I_{rel}$ )

a	b	c	alpha	beta	gamma	vol
6,971	6,971	8,448	90	90	90	410,54

Vypočtené mřížkové parametry; tet. P4/nmm

### Vzorek č. 3 (metaautunit Chotěboř)



$I_{rel}$	$d_{obs}$	$d_{calc}$	h	k	l
100	8,467	8,447	0	0	2
5	5,384	5,387	1	0	2
4	4,936	4,945	1	1	0
18	4,225	4,223	0	0	4
18	3,613	3,615	1	0	4
5	3,492	3,497	2	0	0
6	3,230	3,231	2	0	2
2	2,932	2,933	2	1	2
10	2,613	2,612	1	0	6
6	2,440	2,446	2	2	1
2	2,252	2,247	3	0	2
2	2,211	2,211	3	1	0
31	2,111	2,112	0	0	8
5	2,023	2,022	1	0	8
5	1,941	1,942	1	1	8
2	1,807	1,808	2	0	8
1	1,751	1,750	2	1	8
5	1,689	1,689	0	0	10

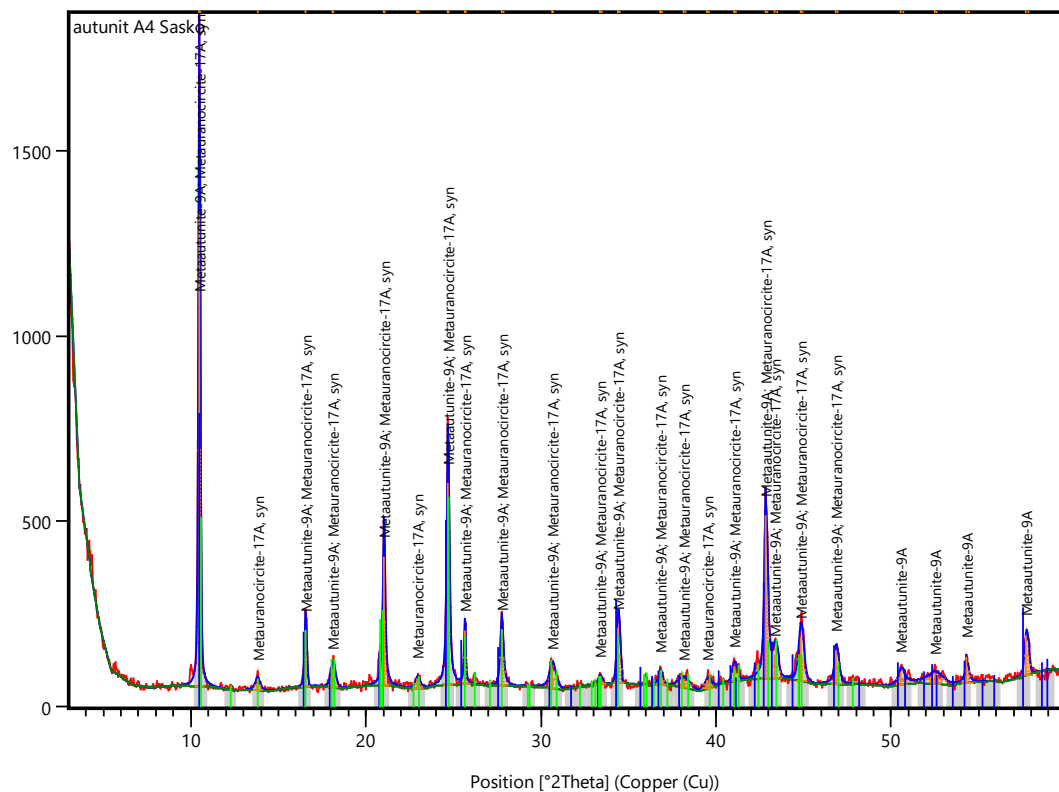
Naměřené ( $d_{obs}$ ) a vypočtené ( $d_{calc}$ ) mezivínné vzdálenosti, jejich indexy hkl a relativní intenzity ( $I_{rel}$ )

Ref. Code	Score	Mineral Name
00-039-1351	71	Metaautunit-9A

a	b	c	alpha	beta	gamma	vol
6,993	6,993	8,447	90	90	90	413,07

Vypočtené mřížkové parametry; tet.  $P4/nmm$

### Vzorek č. 4 (metaautunit Kirchsberg)



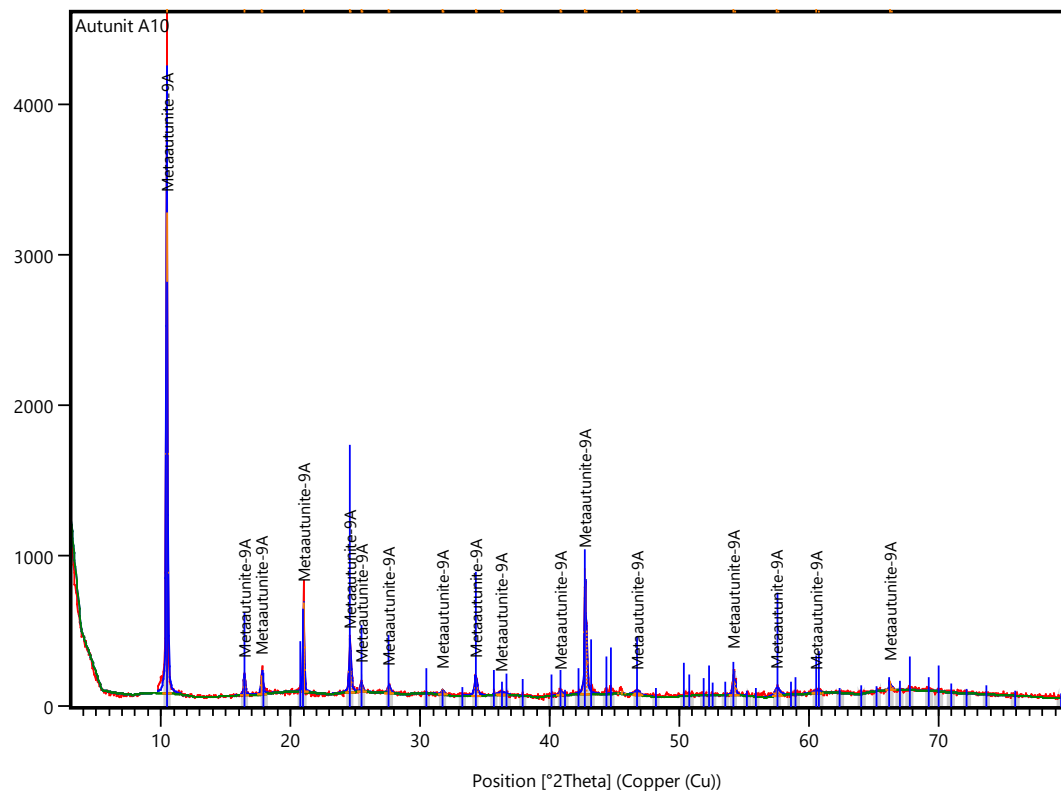
$I_{rel}$	$d_{obs}$	$d_{calc}$	h	k	l
100	8,439	8,303	0	0	1
13	5,360	5,474	1	1	1
10	4,898	5,148	2	0	0
35	4,223	4,152	0	0	2
59	3,605	3,606	1	1	2
11	3,211	3,232	2	0	2
18	2,683	2,673	1	0	3
15	2,606	2,587	1	1	3
3	2,439	2,438	2	0	3
18	2,359	2,353	3	2	2
6	2,198	2,203	2	2	3
9	2,110	2,109	3	1	3
8	2,085	2,076	0	0	4
55	2,020	2,019	5	1	0
12	1,938	1,925	2	0	4
24	1,804	1,803	2	2	4
15	1,743	1,736	5	2	2
10	1,688	1,680	6	0	1
21	1,596	1,596	4	1	4

Naměřené ( $d_{obs}$ ) a vypočtené ( $d_{calc}$ ) mezivínné vzdálenosti, jejich indexy hkl a relativní intenzity ( $I_{rel}$ )

Ref. Code	Score	Mineral Name
00-039-1351	58	Metaautunitite-9A
00-036-0407	30	Metauranocircite-18A

a	b	c	alpha	beta	gamma	vol
6,971	6,971	8,448	90	90	90	410,54

Vzorek č. 10 (metaautunit Medvědí)



$I_{rel}$	$d_{obs}$	$d_{calc}$	h	k	l
100	8,456	8,459	0	0	1
4	5,389	5,389	1	0	1
6	4,980	4,943	1	1	0
15	4,228	4,230	0	0	2
13	3,619	3,619	1	0	2
2	3,496	3,495	2	0	0
2	3,230	3,230	2	0	1
2	2,818	2,820	0	0	3
7	2,615	2,615	1	0	3
1	2,513	2,514	2	1	2
3	2,475	2,471	2	2	0
1	2,210	2,211	3	1	0
27	2,114	2,115	0	0	4
3	1,943	1,944	1	1	4
6	1,691	1,692	0	0	5
6	1,602	1,601	1	1	5
2	1,527	1,528	3	1	4
2	1,410	1,410	0	0	6

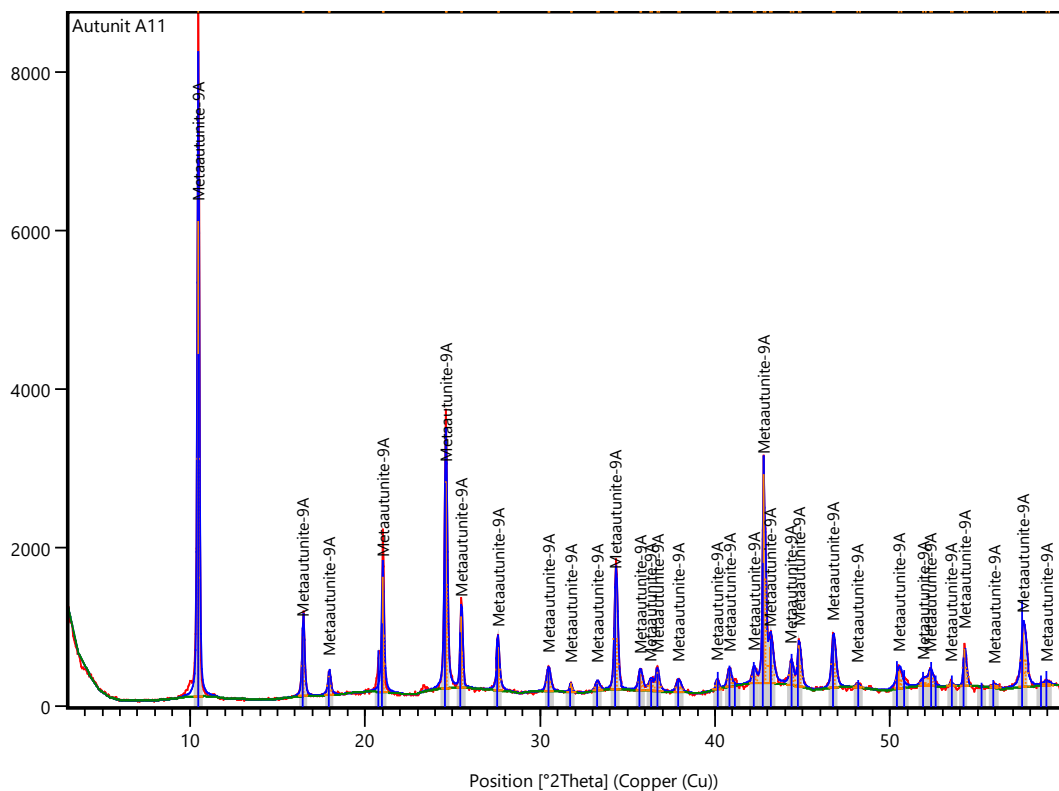
Naměřené ( $d_{obs}$ ) a vypočtené ( $d_{calc}$ ) mezivínné vzdálenosti, jejich indexy hkl a relativní intenzity ( $I_{rel}$ )

Ref. Code	Score	Mineral Name
00-039-1351	55	Metaautunit-9A

a	b	c	alpha	beta	gamma	vol
6,990	6,990	8,459	90	90	90	413,36

Vypočtené mřížkové parametry; tet. P4/nmm

Vzorek č. 11 (metaautunit Commanderie)



Ref. Code	Score	Mineral Name
00-039-1351	61	Metaautunit-9A

a	b	c	alpha	beta	gamma	vol
6,992	6,992	8,449	90	90	90	413,10

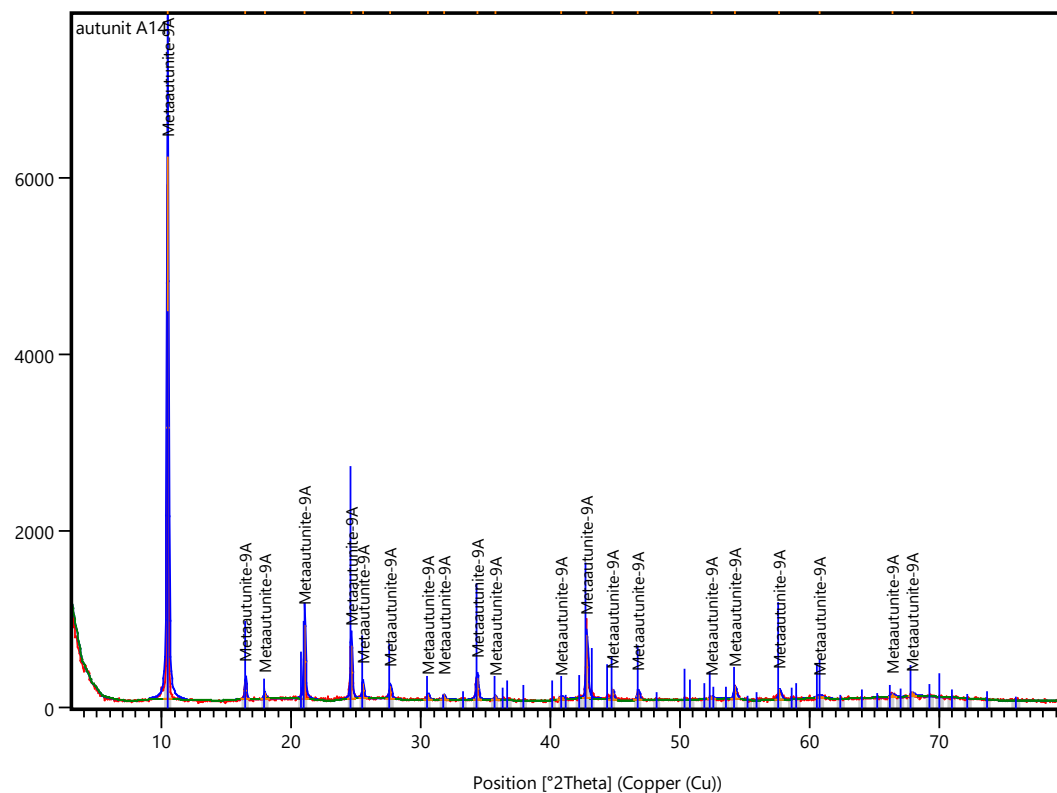
Vypočtené mřížkové parametry; tet. P4/nmm

Příloha 6

$l_{rel}$	$d_{obs}$	$d_{calc}$	h	k	l
100	8,443	8,449	0	0	1
16	5,384	5,387	1	0	1
6	4,939	4,944	1	1	0
27	4,225	4,225	0	0	2
57	3,614	3,616	1	0	2
16	3,494	3,496	2	0	0
15	3,230	3,231	2	0	1
8	2,932	2,933	2	1	1
2	2,816	2,816	0	0	3
3	2,691	2,693	2	0	2
30	2,612	2,612	1	0	3
6	2,512	2,513	2	1	2
5	2,472	2,472	2	2	0
7	2,447	2,447	1	1	3
5	2,373	2,373	2	2	1
3	2,247	2,247	3	0	1
6	2,210	2,211	3	1	0
4	2,139	2,139	3	1	1
47	2,113	2,112	0	0	4
17	2,095	2,093	2	1	3
8	2,041	2,041	3	0	2
13	2,022	2,022	1	0	4
17	1,942	1,942	1	1	4
1	1,889	1,890	3	2	1
12	1,806	1,808	2	0	4
3	1,761	1,762	3	2	2
7	1,748	1,748	4	0	0
1	1,713	1,712	4	0	1
9	1,690	1,690	0	0	5
2	1,642	1,643	1	0	5
28	1,599	1,599	1	1	5

Naměřené ( $d_{obs}$ ) a vypočtené ( $d_{calc}$ ) mezirovinné vzdálenosti, jejich indexy hkl a relativní intenzity ( $I_{rel}$ )

Vzorek č. 14 (metaautunit Chotěboř)



$I_{rel}$	$d_{obs}$	$d_{calc}$	h	k	l
100	8,450	8,448	0	0	1
5	5,382	5,382	1	0	1
1	4,934	4,938	1	1	0
15	4,225	4,224	0	0	2
18	3,615	3,614	1	0	2
3	3,491	3,492	2	0	0
5	3,229	3,227	2	0	1
3	2,928	2,929	2	1	1
1	2,817	2,816	0	0	3
7	2,612	2,612	1	0	3
1	2,512	2,511	2	1	2
1	2,208	2,208	3	1	0
22	2,112	2,112	0	0	4
7	2,023	2,022	1	0	4
4	1,942	1,942	1	1	4
1	1,747	1,746	4	0	0
4	1,690	1,690	0	0	5
8	1,598	1,599	1	1	5
1	1,519	1,521	2	0	5
1	1,409	1,408	0	0	6
1	1,380	1,380	1	0	6

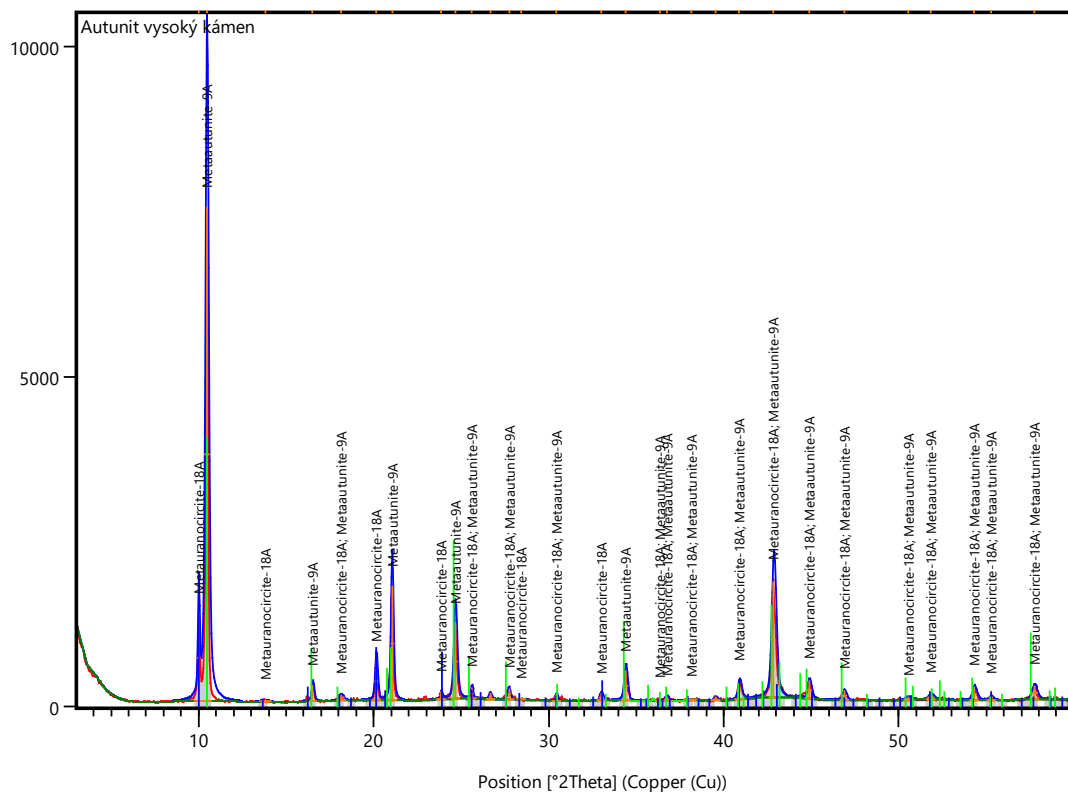
Naměřené ( $d_{obs}$ ) a vypočtené ( $d_{calc}$ ) mezivínné vzdálenosti, jejich indexy hkl a relativní intenzity ( $I_{rel}$ )

Ref. Code	Score	Mineral Name
00-039-1351	54	Metaautunit-9A

a	b	c	alpha	beta	gamma	vol
6,983	6,983	8,448	90	90	90	411,97

Vypočtené mřížkové parametry; tet. P4/nmm

### Vzorek č. 17 (metaautunit Vysoký Kámen)



<b>l</b>	<b>d<sub>obs</sub></b>	<b>d<sub>calc</sub></b>	<b>h</b>	<b>k</b>	<b>l</b>
100	8,436	8,435	0	0	1
2	5,365	5,378	1	1	1
1	4,887	4,937	2	0	0
17	4,216	4,217	0	0	2
15	3,606	3,610	1	1	2
2	3,478	3,491	2	2	0
2	3,214	3,207	2	0	2
1	2,935	2,928	3	1	1
6	2,607	2,608	1	1	3
0	2,470	2,468	4	0	0
1	2,443	2,443	2	0	3
1	2,357	2,369	4	0	1
3	2,205	2,208	4	2	0
29	2,109	2,109	0	0	4
3	2,018	2,019	1	1	4
2	1,937	1,936	5	1	0
1	1,804	1,805	2	2	4
1	1,763	1,760	5	1	2
3	1,688	1,687	0	0	5
1	1,661	1,660	5	3	1
4	1,596	1,596	2	0	5

Naměřené ( $d_{obs}$ ) a vypočtené ( $d_{calc}$ ) mezivírovinné vzdálenosti, jejich indexy hkl a relativní intenzity ( $I_{rel}$ )

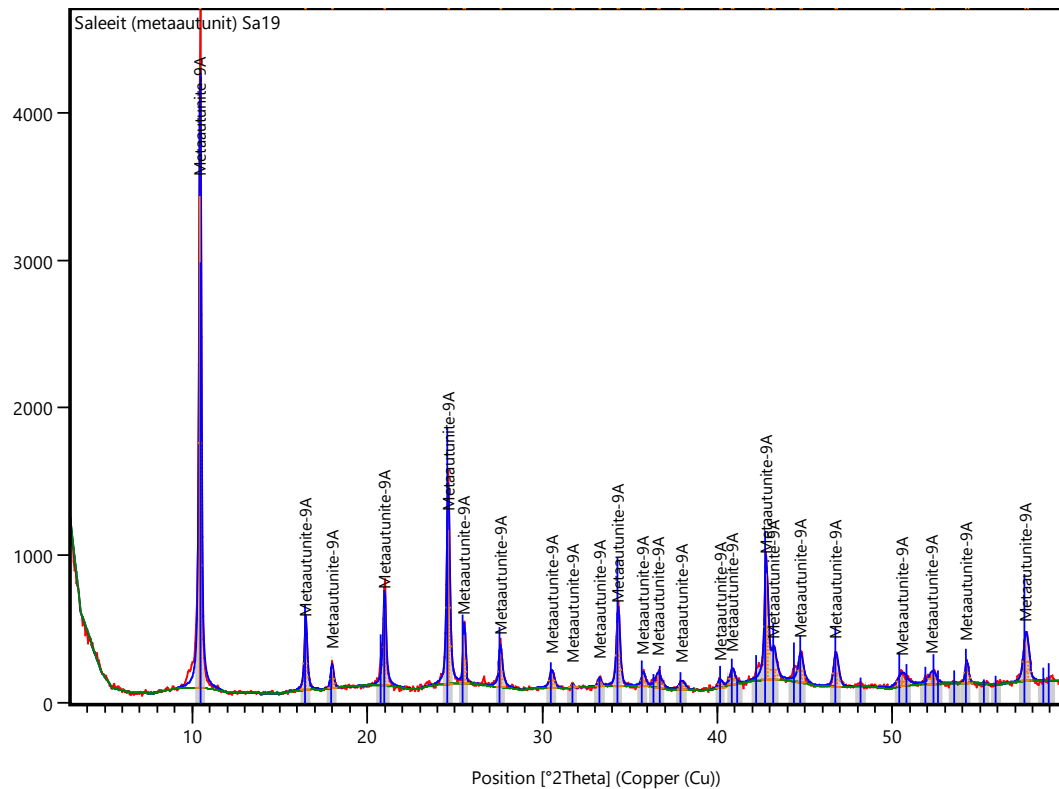
Ref. Code	Score	Mineral Name
00-039-1351	55	Metaautunit-9A
00-036-0407	44	Metauranocircite-18A

<b>a</b>	<b>b</b>	<b>c</b>	<b>alpha</b>	<b>beta</b>	<b>gamma</b>	<b>vol</b>
6,87	6,87	8,43	90	90	90	411,16

Vypočtené mřížkové parametry; tet. P4/nmm



### Vzorek č. 19 (metaautunit Kladská)



Ref. Code	Score	Mineral Name
00-039-1351	67	Metaautunit-9A

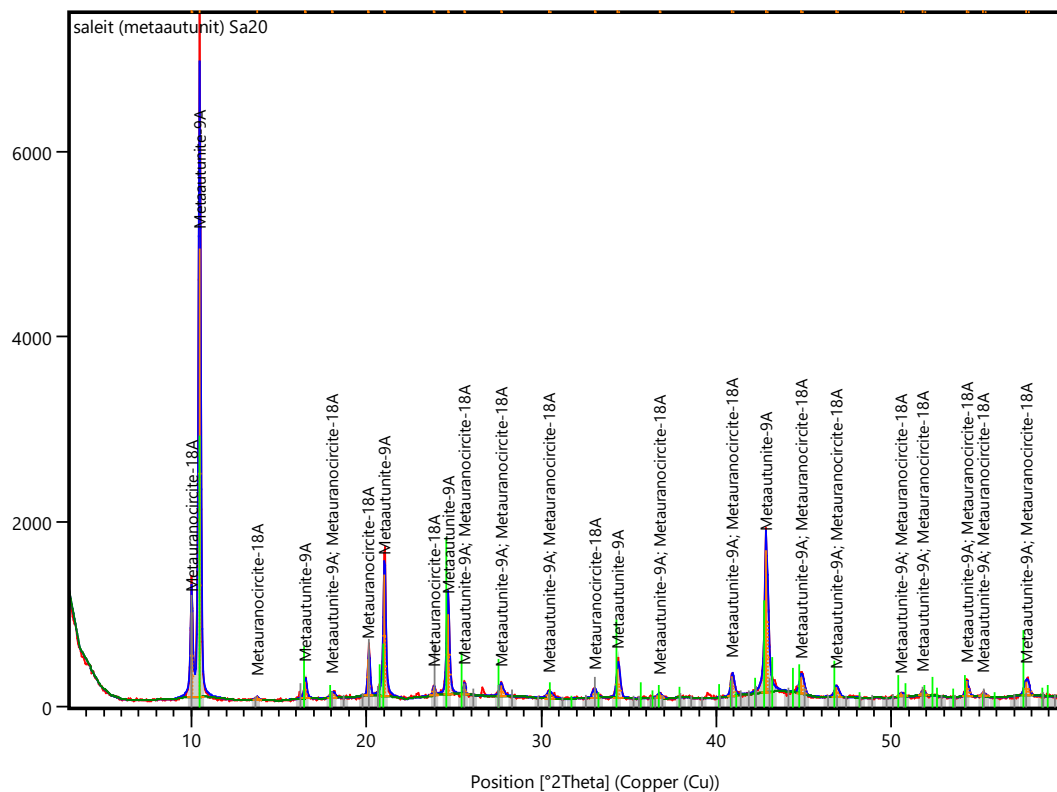
$I_{rel}$	$d_{obs}$	$d_{calc}$	h	k	l
100	8,465	8,453	0	0	1
14	5,382	5,383	1	0	1
5	4,933	4,936	1	1	0
20	4,232	4,226	0	0	2
41	3,615	3,615	1	0	2
9	3,489	3,491	2	0	0
12	3,229	3,226	2	0	1
5	2,927	2,929	2	1	1
1	2,819	2,818	0	0	3
2	2,692	2,691	2	0	2
17	2,613	2,613	1	0	3
3	2,510	2,511	2	1	2
7	2,452	2,447	1	1	3
3	2,370	2,369	2	2	1
2	2,245	2,244	3	0	1
5	2,208	2,208	3	1	0
30	2,113	2,113	0	0	4
9	2,093	2,092	2	1	3
11	2,025	2,023	1	0	4
10	1,942	1,943	1	1	4
10	1,805	1,808	2	0	4
7	1,750	1,750	2	1	4
5	1,691	1,691	0	0	5
16	1,599	1,599	1	1	5

Naměřené ( $d_{obs}$ ) a vypočtené ( $d_{calc}$ ) mezirovinné vzdálenosti, jejich indexy hkl a relativní intenzity ( $I_{rel}$ )

a	b	c	alpha	beta	gamma	vol
6,981	6,981	8,453	90	90	90	411,96

Vypočtené mřížkové parametry; tet. P4/nmm

### Vzorek č. 20 (metaautunit Kladská)



Ref. Code	Score	Mineral Name
00-039-1351	52	Metaautunit-9A
00-036-0407	38	Metauranocircite-18A

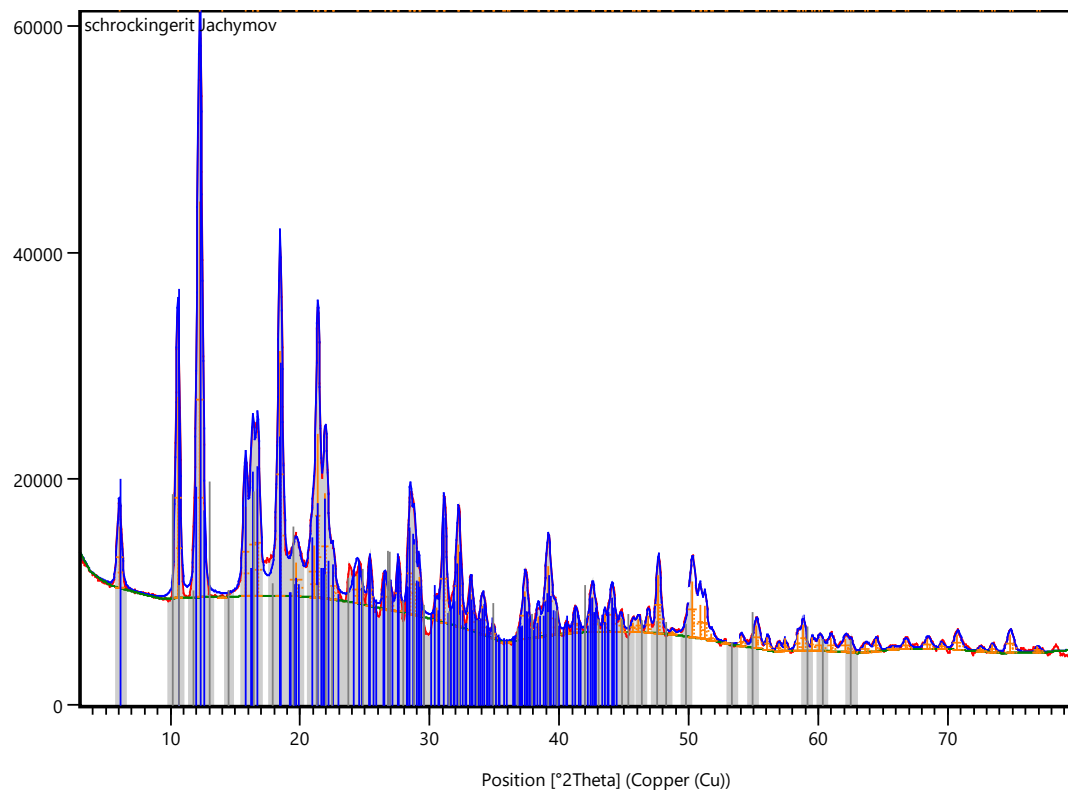
$I_{rel}$	$d_{obs}$	$d_{calc}$	h	k	l
100	8,441	8,445	0	0	2
4	5,375	5,371	1	0	2
1	4,930	4,909	1	1	0
26	4,221	4,221	0	0	4
17	3,611	3,609	1	0	4
2	3,486	3,480	2	0	0
2	3,222	3,217	2	0	2
1	2,925	2,935	2	1	2
1	2,727	2,709	2	1	3
6	2,609	2,608	1	0	6
1	2,444	2,444	1	1	6
4	2,205	2,205	3	1	0
31	2,110	2,110	0	0	8
3	2,020	2,020	1	0	8
2	1,940	1,939	1	1	8
1	1,805	1,805	2	0	8
1	1,758	1,764	3	2	4
3	1,688	1,689	0	0	10
1	1,665	1,662	4	0	3
3	1,597	1,597	1	1	10

Naměřené ( $d_{obs}$ ) a vypočtené ( $d_{calc}$ ) mezivínné vzdálenosti, jejich indexy hkl a relativní intenzity ( $I_{rel}$ )

a	b	c	alpha	beta	gamma	vol
6,972	6,972	8,441	90	90	90	410,29

Vypočtené mřížkové parametry; tet.  $P4/nmm$

### Vzorek č. 5 (schröckingerit Jáchymov)



Ref. Code	Score	Mineral Name
00-006-0054	55	Schroekingerite
00-011-0296	31	Liebigite

a	b	c	alpha	beta	gamma	vol
9,65	9,81	14,45	90,5	90,85	120,2	1181,93

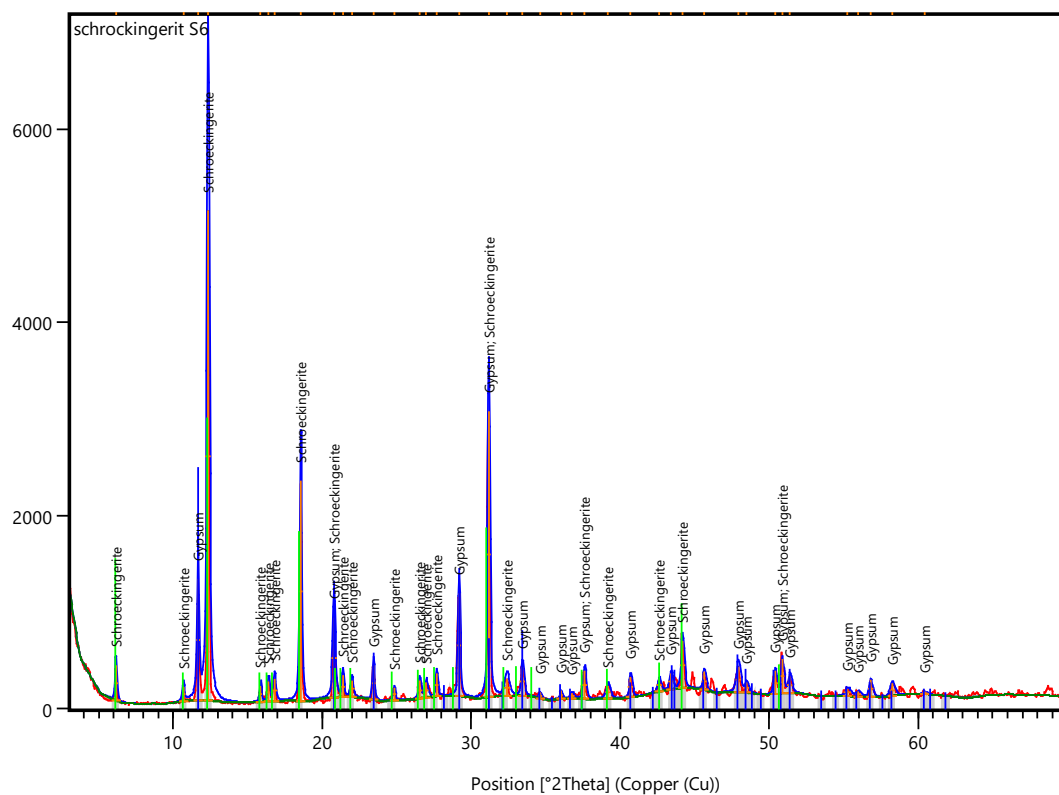
Vypočtené mřížkové parametry; tricl. P-1

### Příloha 11

$I_{rel}$	$d_{obs}$	$d_{calc}$	h	k	l
15	14,562	14,523	0	0	1
50	8,360	8,341	0	1	-1
100	7,192	7,166	1	1	0
21	5,615	5,825	1	0	2
21	5,275	5,134	1	1	-2
61	4,798	4,801	0	2	-1
7	4,498	4,504	2	-1	0
3	4,261	4,287	2	-1	1
31	4,151	4,163	2	0	-2
22	4,042	4,031	1	1	-3
4	3,932	3,963	1	1	3
5	3,607	3,611	0	0	4
8	3,502	3,509	2	0	-3
5	3,374	3,383	0	3	0
2	3,299	3,300	0	3	-1
77	3,227	3,228	1	-1	-4
20	3,134	3,129	1	-3	1
1	3,097	3,101	3	-1	1
4	3,048	3,052	0	3	2
3	2,936	2,940	3	1	-2
19	2,867	2,859	2	-2	3
21	2,771	2,771	2	3	-1
8	2,698	2,696	1	1	-5
7	2,629	2,633	3	2	-2
2	2,565	2,567	2	2	-4
1	2,489	2,488	4	0	-1
13	2,401	2,401	0	4	-2
3	2,350	2,350	3	3	1
17	2,297	2,295	1	1	-6
4	2,262	2,262	2	-4	0
1	2,222	2,221	4	-2	1
4	2,190	2,190	4	-1	-3

Naměřené ( $d_{obs}$ ) a vypočtené ( $d_{calc}$ ) mezivířinné vzdálenosti, jejich indexy hkl a relativní intenzity ( $I_{rel}$ )

## Vzorek č. 6 (schröckingerit Bukov)



Ref. Code	Score	Mineral Name
00-006-0054	58	Schroëckingerite
00-006-0046	25	Gypsum

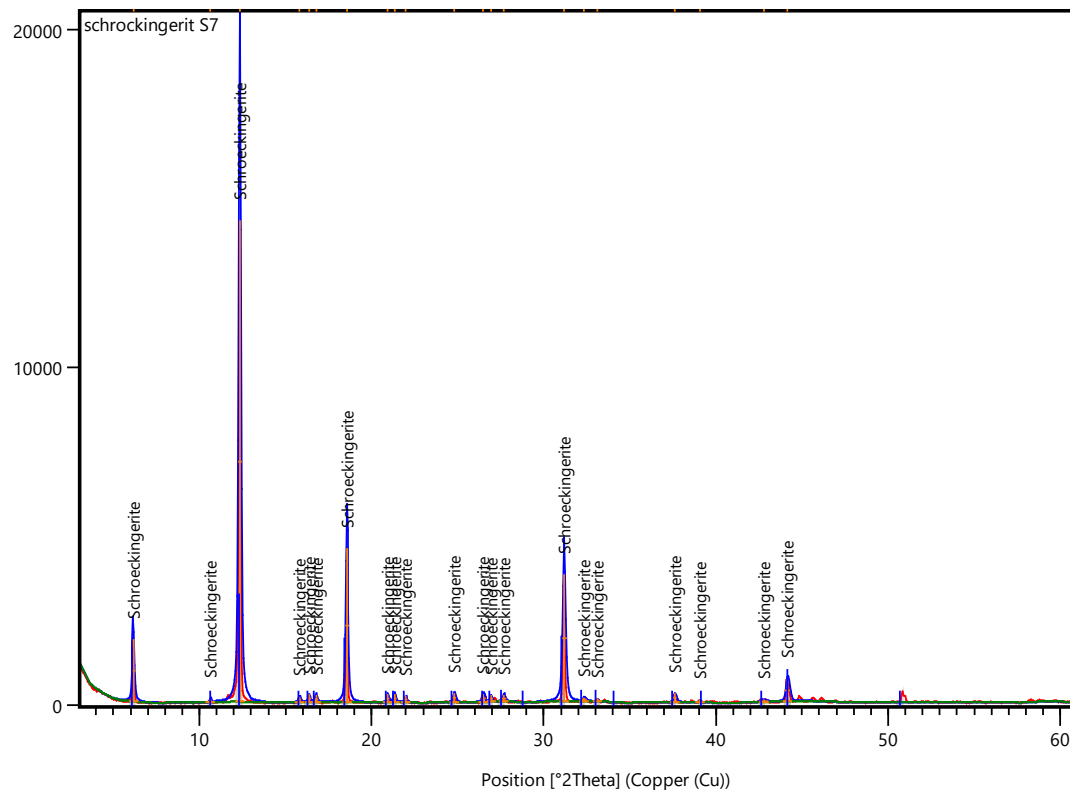
a	b	c	alpha	beta	gamma	vol
9,69	9,69	14,34	89,9	91,76	120,1	1164,21

Vypočtené mřížkové parametry; tricl. P-1

$I_{rel}$	$d_{obs}$	$d_{calc}$	h	k	l
6	14,332	14,331	0	0	1
3	8,279	8,311	1	0	0
100	7,170	7,167	0	1	1
4	5,577	5,514	1	0	-2
6	5,405	5,404	0	1	2
5	5,280	5,344	1	0	2
41	4,781	4,777	0	0	3
20	4,269	4,199	1	0	-3
6	4,157	4,162	0	2	0
5	4,039	4,049	2	-1	-2
3	3,587	3,583	0	0	4
6	3,357	3,346	1	1	3
7	3,298	3,303	0	1	-4
6	3,224	3,253	1	0	4
33	3,061	3,056	3	-2	1
70	2,771	2,774	0	3	0
7	2,680	2,672	2	0	4
13	2,595	2,595	3	-2	3
2	2,493	2,496	2	-1	-5
2	2,393	2,395	2	0	-5
11	2,299	2,299	4	-2	-2
10	2,216	2,216	4	-3	-2
6	2,119	2,119	1	-3	5
5	2,078	2,078	1	-4	-3
9	2,050	2,051	4	-1	3

Naměřené ( $d_{obs}$ ) a vypočtené ( $d_{calc}$ ) mezirovinné vzdálenosti, jejich indexy hkl a relativní intenzity ( $I_{rel}$ )

### Vzorek č. 7 (schröckingerit Jáchymov)



Ref. Code	Score	Mineral Name
01-075-1487	56	Schroekingerite

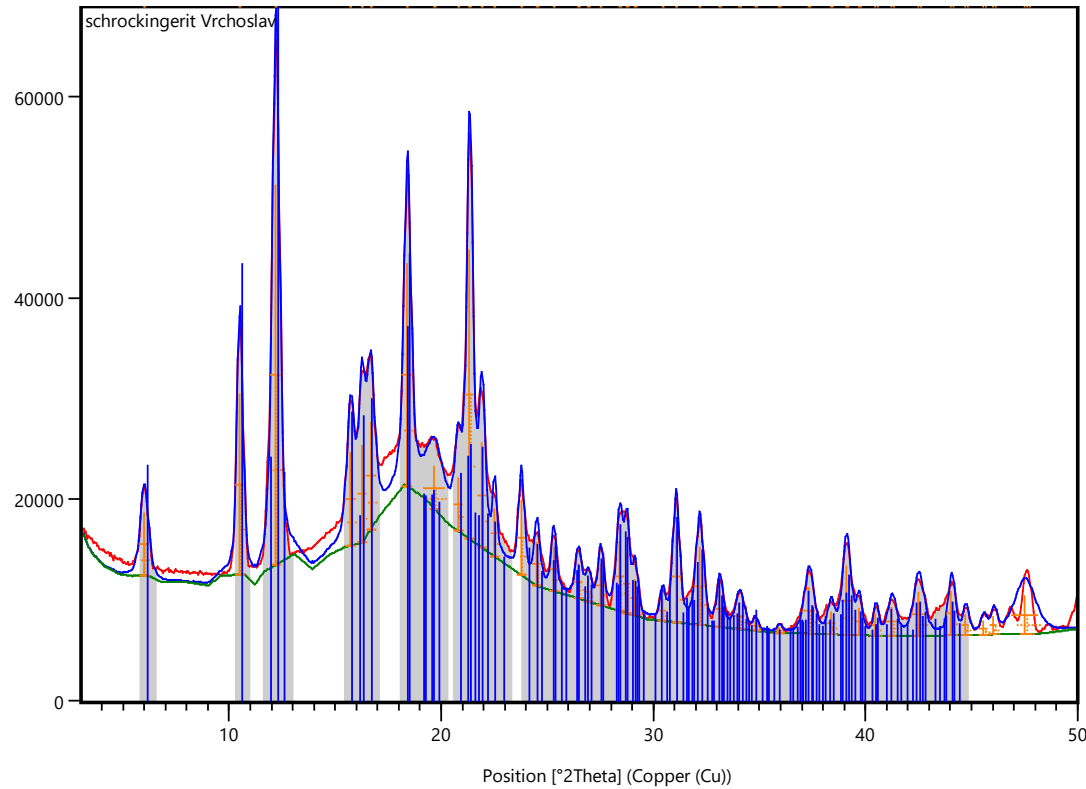
a	b	c	alpha	beta	gamma	vol
9,66	9,41	14,34	90	90	120,1	1127,74

Vypočtené mřížkové parametry; tricl. P-1

$l_{rel}$	$d_{obs}$	$d_{calc}$	h	k	l
11	14,341	14,339	0	0	1
1	8,303	8,778	1	-1	0
100	7,169	7,169	0	0	2
1	5,600	5,604	1	0	-2
2	5,411	5,456	1	-1	2
2	5,280	5,231	1	1	0
29	4,779	4,780	0	0	3
1	4,240	4,241	2	-2	-1
2	4,162	4,155	2	-2	1
1	4,040	4,075	2	-1	2
2	3,586	3,585	0	0	4
2	3,364	3,362	1	-1	-4
2	3,307	3,308	2	1	-1
2	3,220	3,215	3	-1	1
32	2,868	2,868	0	0	5
1	2,765	2,767	0	3	-2
1	2,704	2,700	2	-3	3
2	2,390	2,390	0	0	6
1	2,304	2,304	2	2	3
2	2,113	2,113	2	0	-6
7	2,049	2,049	3	0	5

Naměřené ( $d_{obs}$ ) a vypočtené ( $d_{calc}$ ) mezivínné vzdálenosti, jejich indexy hkl a relativní intenzity ( $l_{rel}$ )

### Vzorek č. 9 (schröckingerit Vrchoslav)



Ref. Code	Score	Mineral Name
01-075-1487	78	Schroeckingerite

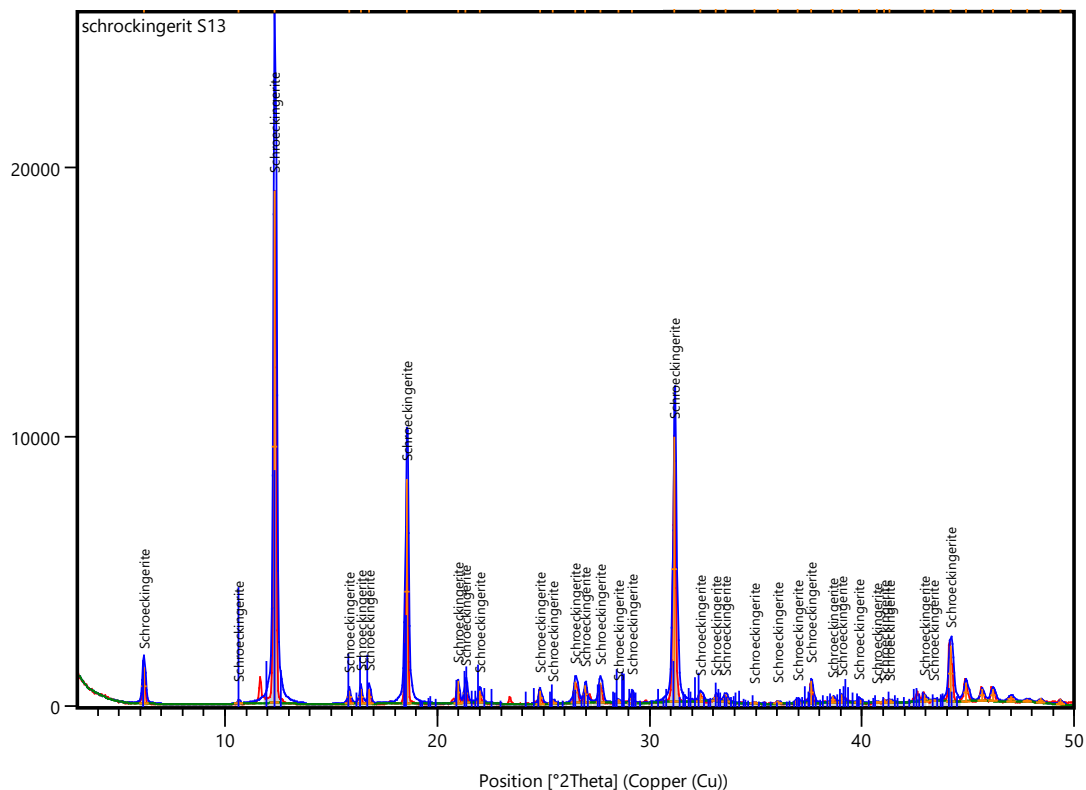
a	b	c	alpha	beta	gamma	vol
9,61	9,51	14,91	90	90	120	1180,08

Vypočtené mřížkové parametry; tricl. P-1

$I_{rel}$	$d_{obs}$	$d_{calc}$	h	k	l
100	14,702	14,981	0	0	1
201	8,418	8,331	1	0	0
538	7,250	7,249	1	-1	-1
112	5,632	5,638	1	0	2
113	5,456	5,474	0	1	-2
188	4,819	4,807	1	1	0
350	4,534	4,536	1	1	-1
149	4,270	4,260	1	-1	3
65	4,163	4,166	2	0	0
369	4,053	4,053	2	-1	2
151	3,946	3,961	0	2	-1
36	3,633	3,624	2	-2	-2
61	3,518	3,519	1	1	3
57	3,367	3,374	0	1	-4
60	3,240	3,238	2	0	3
31	3,139	3,141	3	-1	0
54	3,102	3,101	2	1	1
111	3,065	3,065	3	-2	1
53	2,936	2,936	2	-1	-4
38	2,878	2,881	3	-1	-2
19	2,781	2,782	2	-2	-4
125	2,703	2,703	3	-3	1
120	2,631	2,629	2	1	-3
42	2,576	2,577	3	-3	2
45	2,497	2,497	0	0	6
8	2,408	2,408	1	0	6
4	2,345	2,344	2	-4	1
87	2,302	2,304	1	3	0
29	2,270	2,268	2	2	-2
114	2,193	2,194	4	-1	-2

Naměřené ( $d_{obs}$ ) a vypočtené ( $d_{calc}$ ) mezivínné vzdálenosti, jejich indexy hkl a relativní intenzity ( $I_{rel}$ )

### Vzorek č. 13 (schröckingerit Příbram)



Ref. Code	Score	Mineral Name
01-075-1487	73	Schroeckingerite

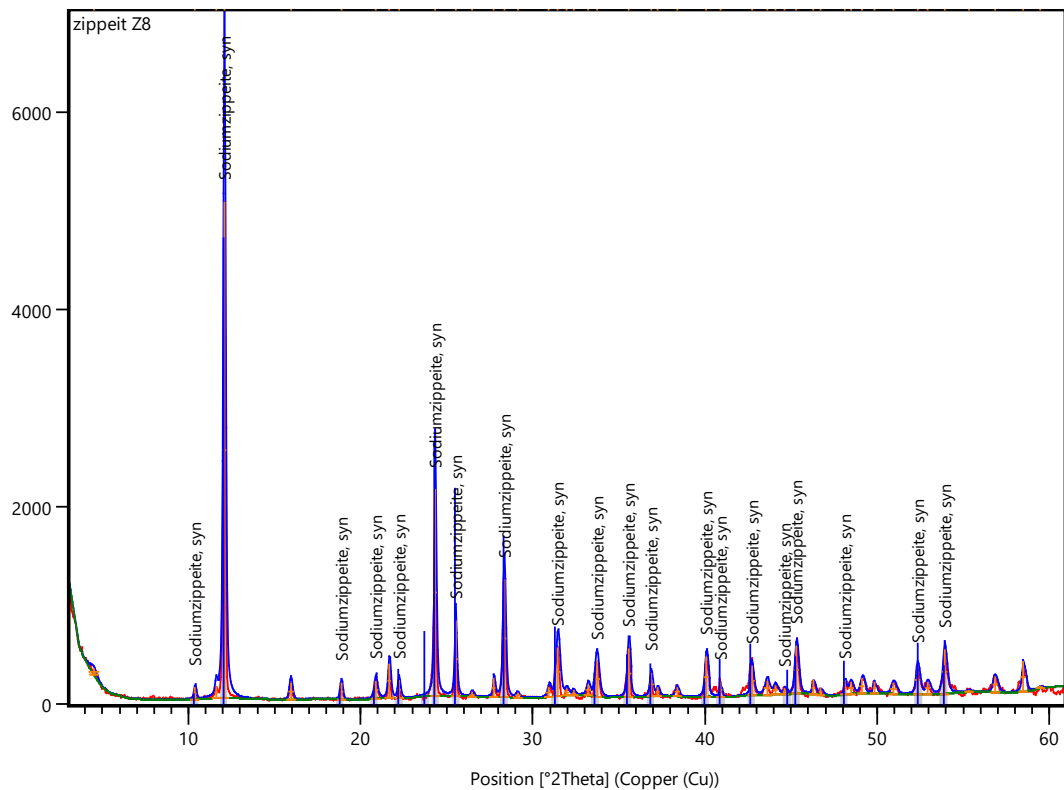
a	b	c	alpha	beta	gamma	vol
9,64	9,52	14,24	88,67	91,93	119,63	1135,28

Vypočtené mřížkové parametry; tricl. P-1

$I_{rel}$	$d_{obs}$	$d_{calc}$	h	k	l
7	14,301	14,222	0	0	1
1	8,305	8,281	1	-1	0
100	7,167	7,177	0	1	1
2	5,592	5,493	1	0	-2
3	5,410	5,414	0	1	2
4	5,285	5,310	1	-1	2
40	4,780	4,760	1	-2	0
5	4,240	4,192	2	0	0
4	4,163	4,173	1	0	-3
3	4,040	4,049	2	0	-1
3	3,587	3,589	0	2	2
1	3,500	3,528	2	-2	2
6	3,362	3,362	1	1	3
6	3,303	3,304	1	0	-4
5	3,224	3,229	1	-1	4
1	3,131	3,129	0	2	3
3	3,062	3,064	2	-3	-1
62	2,870	2,872	1	2	2
3	2,765	2,760	3	-3	0
2	2,704	2,705	0	3	-1
2	2,672	2,671	3	-1	-3
2	2,569	2,566	0	3	-2
1	2,493	2,487	2	-1	-5
1	2,429	2,435	3	0	-3
5	2,392	2,392	0	3	3
1	2,330	2,327	3	-1	4
1	2,304	2,306	4	-3	0
1	2,196	2,196	3	1	2
3	2,186	2,188	0	3	4
1	2,113	2,114	1	2	-5
5	2,086	2,086	2	0	-6

Naměřené ( $d_{obs}$ ) a vypočtené ( $d_{calc}$ ) mezivínné vzdálenosti, jejich indexy hkl a relativní intenzity ( $I_{rel}$ )

### Vzorek č. 8 (natrozippeit Jáchymov)



Ref. Code	Score	Mineral Name
00-029-1285	61	Sodiumzippeite

a	b	c	alpha	beta	gamma	vol
8,66	8,13	14,04	90	112,43	90	913,71

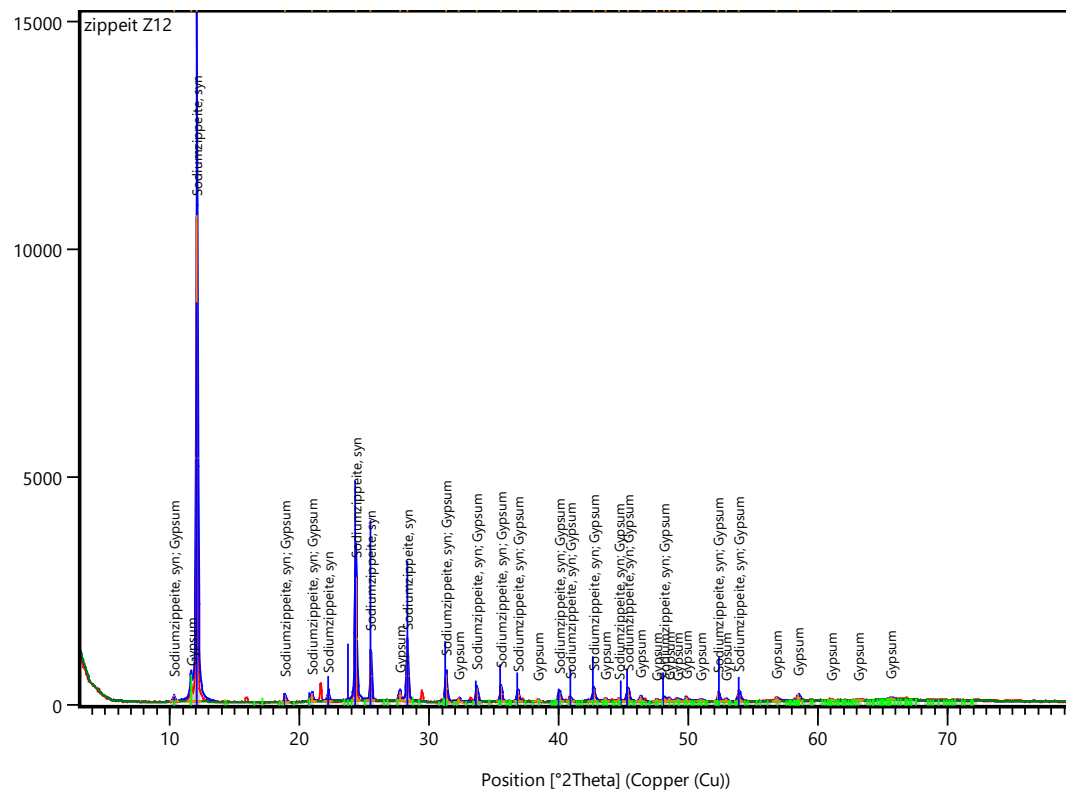
Vypočtené mřížkové parametry; mon. P21/c

$l_{rel}$	$d_{obs}$	$d_{calc}$	h	k	l
100	7,318	7,346	0	1	0
5	5,559	5,544	0	1	1
7	4,256	4,259	1	0	0
5	4,104	4,101	1	0	1
2	3,997	3,993	1	0	-1
49	3,660	3,663	1	1	1
16	3,491	3,488	1	0	-2
4	3,215	3,220	1	1	-3
29	3,151	3,149	1	-1	-1
16	2,847	2,810	1	2	1
13	2,656	2,656	1	-1	4
15	2,526	2,525	1	0	-4
2	2,443	2,441	1	-1	-3
13	2,249	2,254	0	3	1
2	2,222	2,218	1	2	3
16	2,117	2,116	2	0	1
16	2,001	2,002	2	1	2
4	1,960	1,960	1	-2	6
4	1,878	1,877	2	0	-3
6	1,853	1,852	0	0	7
1	1,822	1,821	1	4	-5
5	1,791	1,790	2	-1	4
10	1,747	1,748	2	-2	1
5	1,732	1,732	2	2	-5
20	1,700	1,702	2	3	1
8	1,619	1,620	0	0	8
2	1,583	1,584	1	1	7

Naměřené ( $d_{obs}$ ) a vypočtené ( $d_{calc}$ ) mezivířkové vzdálenosti, jejich indexy hkl a relativní intenzity ( $I_{rel}$ )



### Vzorek č. 12 (natrozippeit Příbram)



Ref. Code	Score	Mineral Name
00-029-1285	58	Sodiumzippeite
00-006-0046	30	Gypsum

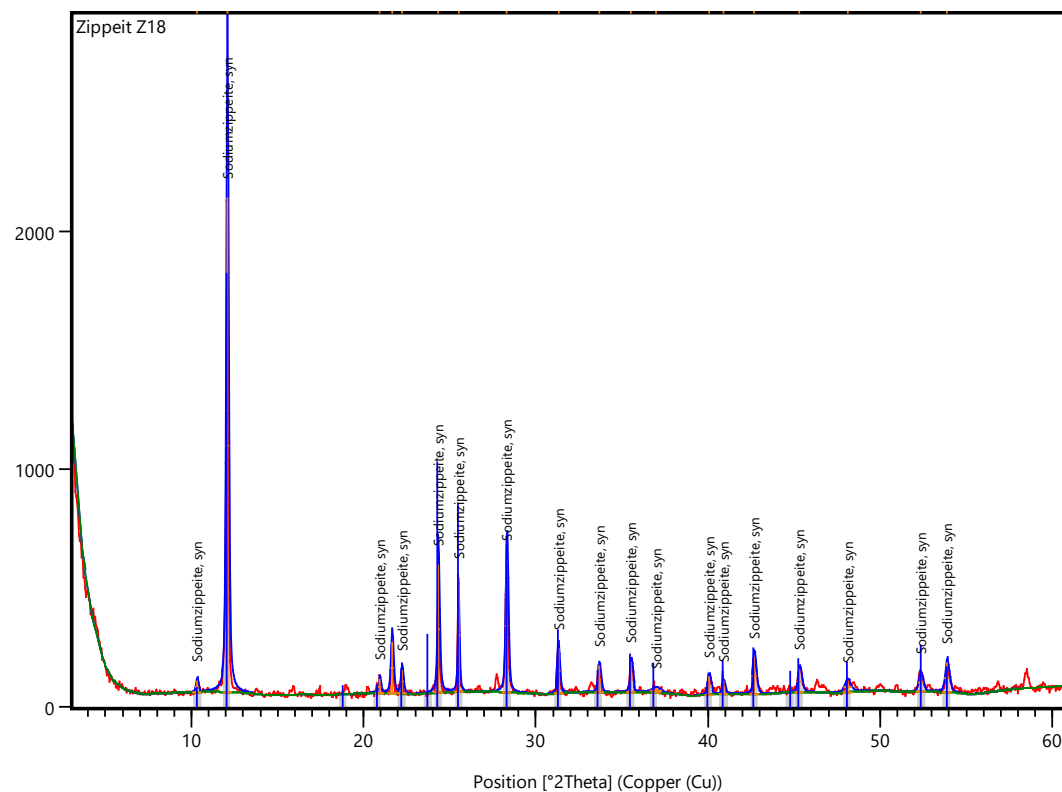
a	b	c	alpha	beta	gamma	vol
8,52	8,41	14,32	90	119,41	90	893,86

Vypočtené mřížkové parametry; mon. P21/c

$I_{rel}$	$d_{obs}$	$d_{calc}$	h	k	l
100	7,321	7,306	0	1	0
2	4,252	4,249	1	1	0
4	4,108	4,091	1	1	1
1	3,999	3,996	1	-1	-3
27	3,658	3,653	0	2	0
9	3,493	3,522	2	-2	1
2	3,218	3,215	1	-1	-4
14	3,152	3,148	1	1	-3
8	2,857	2,862	0	0	5
4	2,661	2,660	1	-1	5
4	2,526	2,536	0	2	-4
3	2,251	2,254	2	-2	-5
4	2,117	2,116	4	-2	0
4	2,001	2,000	3	-1	5
1	1,959	1,959	3	1	-2
1	1,888	1,889	3	1	3
1	1,855	1,854	3	-3	-5
1	1,825	1,825	2	1	6
1	1,791	1,790	1	-3	6
3	1,748	1,748	1	-4	4
1	1,732	1,731	0	1	-8
5	1,700	1,701	2	-4	-5
2	1,620	1,620	2	-5	2
0	1,584	1,584	2	-4	-6
0	1,519	1,519	3	2	-4

Naměřené ( $d_{obs}$ ) a vypočtené ( $d_{calc}$ ) mezirovinné vzdálenosti, jejich indexy hkl a relativní intenzity ( $I_{rel}$ )

### Vzorek č. 18 (natrozippeit Příbram)



Ref. Code	Score	Mineral Name
00-029-1285	59	Sodiumzippeite

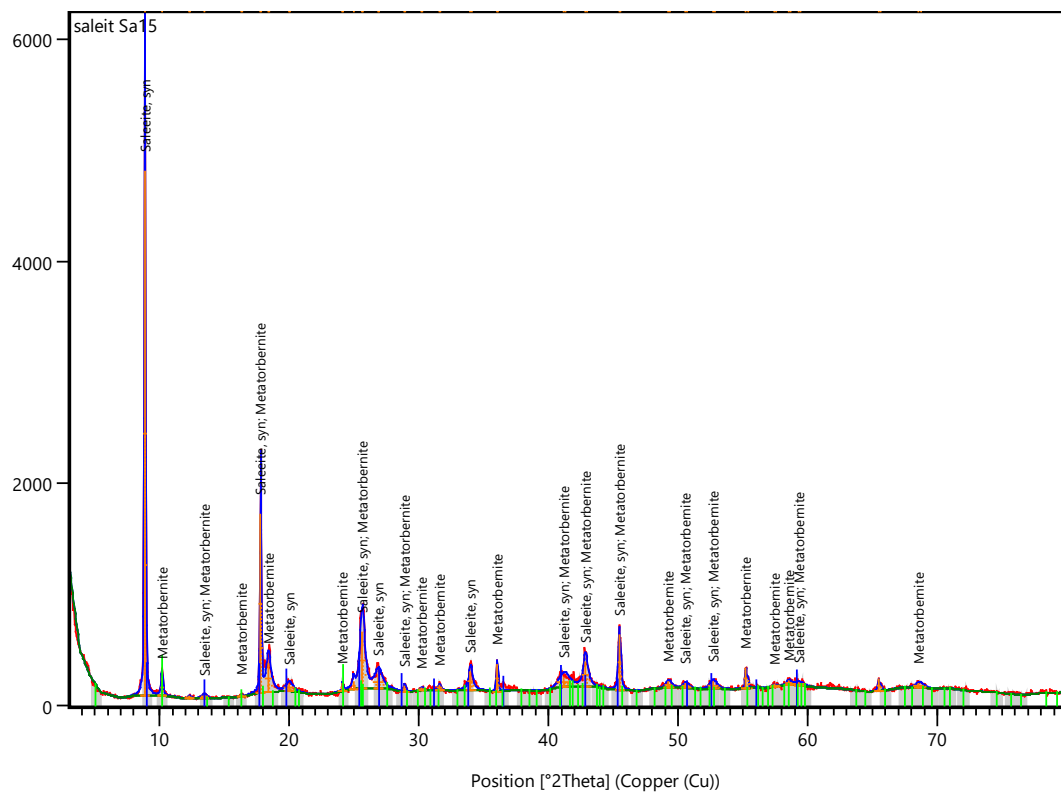
a	b	c	alpha	beta	gamma	vol
8,62	8,53	14,64	89,4	114,21	90,1	981,78

Vypočtené mřížkové parametry; mon. P21/c

$I_{ret}$	$d_{obs}$	$d_{calc}$	h	k	l
100	7,317	7,304	0	0	2
2	5,580	5,586	1	1	1
4	4,246	4,248	0	1	3
9	4,105	4,104	2	0	-1
5	3,998	4,057	0	2	-1
26	3,656	3,652	0	0	4
21	3,492	3,430	2	-1	2
5	3,216	3,220	0	2	3
32	3,152	3,150	1	1	4
11	2,856	2,867	3	0	0
7	2,661	2,658	1	-3	-1
9	2,526	2,526	1	-3	2
8	2,251	2,250	0	3	4
1	2,221	2,221	0	3	-4
15	2,116	2,116	2	2	5
9	2,000	2,002	3	2	4
5	1,954	1,953	2	3	-4
6	1,885	1,883	4	2	-1
2	1,824	1,823	0	4	-4
1	1,792	1,792	1	-4	4
8	1,747	1,747	1	-1	-8
11	1,700	1,702	2	-3	6
4	1,621	1,621	3	-4	3
6	1,578	1,578	5	1	-3

Naměřené ( $d_{obs}$ ) a vypočtené ( $d_{calc}$ ) mezivínné vzdálenosti, jejich indexy hkl a relativní intenzity ( $I_{rel}$ )

## Vzorek č. 15 (saléit Medvědín)



Ref. Code	Score	Mineral Name
00-029-0874	52	Saléite
00-036-0406	40	Metatorbernite

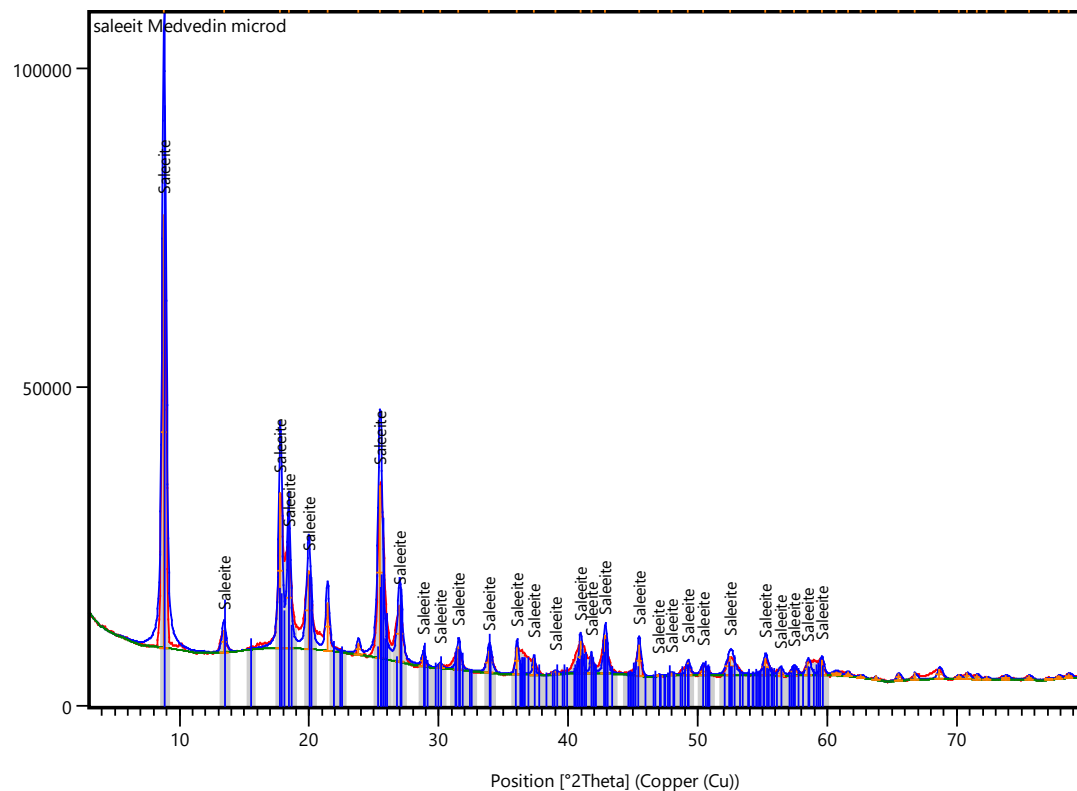
a	b	c	alpha	beta	gamma	vol
9,916	9,941	9,844	90	90	90	967,93

Vypočtené mřížkové parametry; tet. P4/nmm

$I_{rel}$	$d_{obs}$	$d_{calc}$	h	k	l
100	10,035	9,970	0	2	0
5	6,593	6,589	1	1	1
30	4,987	4,985	0	4	0
20	4,812	4,811	2	1	0
20	4,442	4,439	2	2	0
45	3,493	3,495	2	0	-2
15	3,301	3,302	1	4	2
2	3,095	3,097	3	1	-1
1	2,968	2,964	2	5	-1
5	2,835	2,835	3	3	-1
5	2,642	2,643	1	4	-3
4	2,490	2,493	0	8	0
2	2,407	2,407	2	6	2
1	2,308	2,308	0	3	-4
5	2,203	2,203	2	0	4
2	2,161	2,160	4	2	2
7	2,109	2,109	3	4	3
6	1,994	1,994	0	10	0
1	1,934	1,934	5	1	1
1	1,896	1,895	1	2	5
2	1,849	1,850	2	10	0
2	1,809	1,810	5	2	-2
8	1,741	1,741	4	1	-4
4	1,662	1,663	2	5	5
2	1,631	1,630	6	2	0
2	1,603	1,604	2	6	-5
3	1,576	1,576	2	12	0
3	1,551	1,552	5	8	0

Naměřené ( $d_{obs}$ ) a vypočtené ( $d_{calc}$ ) mezirovinné vzdálenosti, jejich indexy hkl a relativní intenzity ( $I_{rel}$ )

### Vzorek č. 16 (saléit Medvědíň)



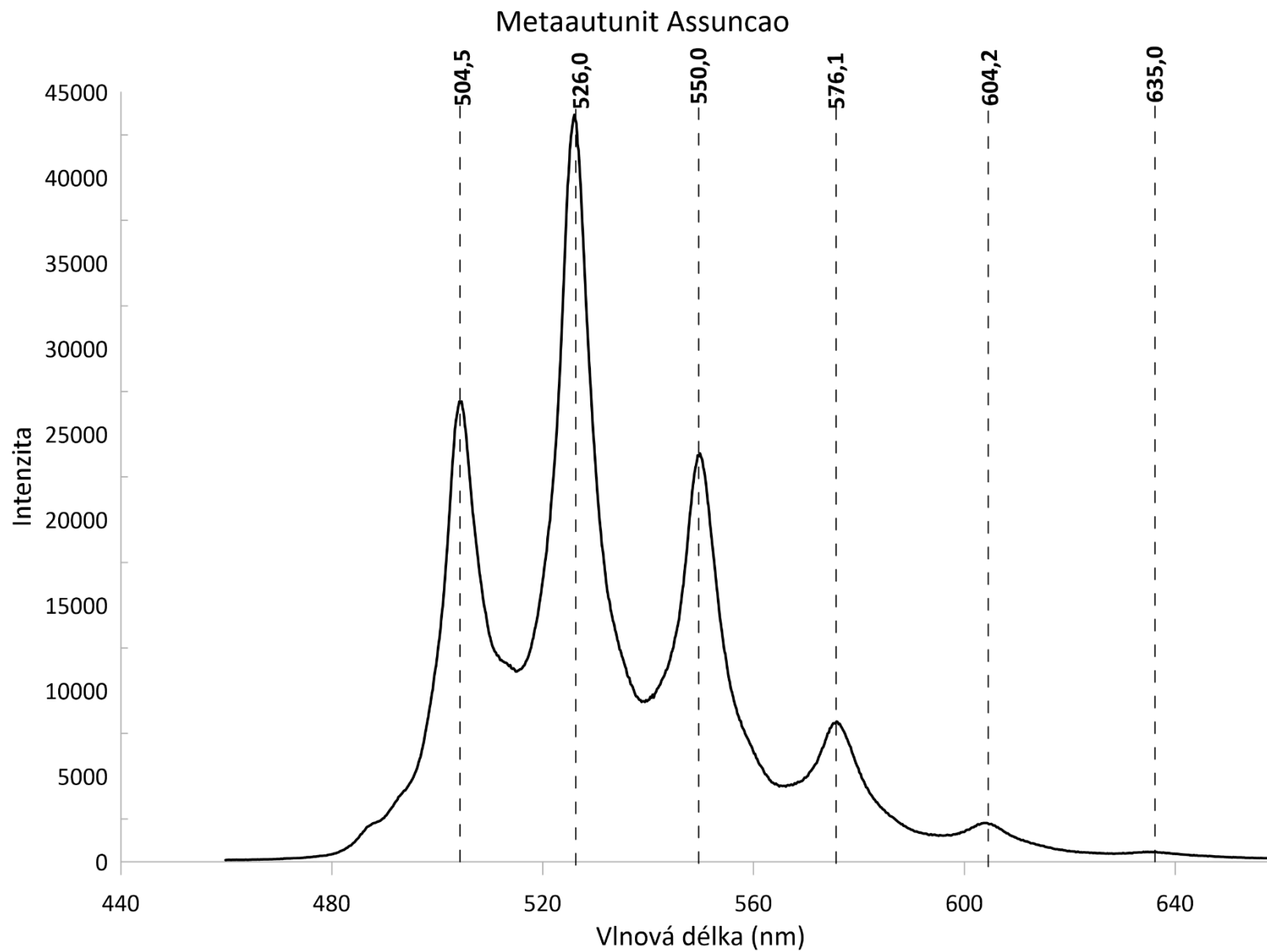
Ref. Code	Score	Mineral Name
00-029-0874	62	Saléite

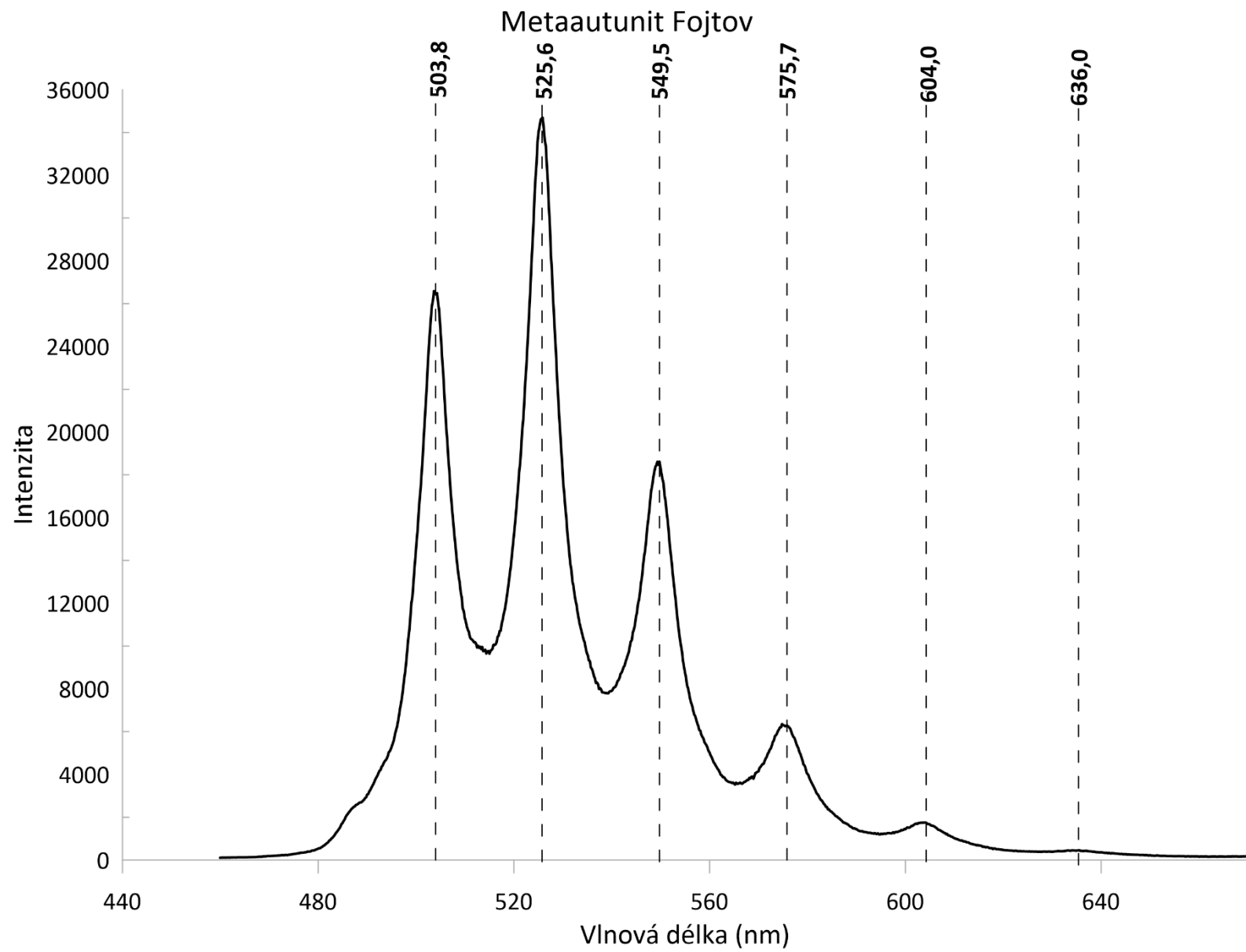
a	b	c	alpha	beta	gamma	vol
9,93	9,97	9,88	90	90	90	1957,11

Vypočtené mřížkové parametry; tet. P4/nmm

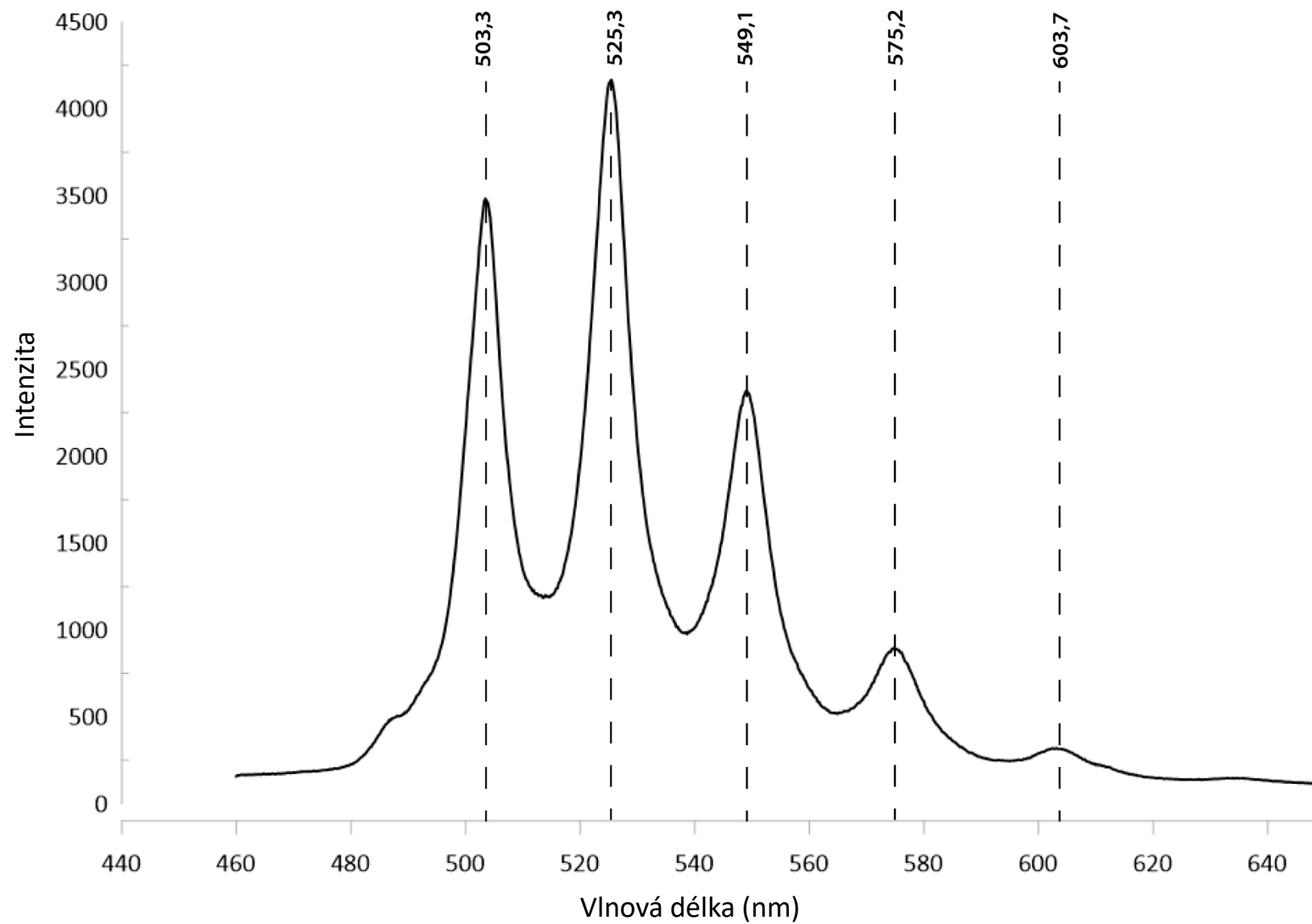
$I_{rel}$	$d_{obs}$	$d_{calc}$	h	k	l
100	10,054	9,980	0	2	0
7	6,615	6,618	1	1	-1
40	4,982	4,990	0	4	0
46	4,829	4,827	1	3	-1
37	4,446	4,441	2	2	0
66	4,150	4,066	1	4	-1
22	3,733	3,703	1	5	0
2	3,486	3,496	2	0	2
1	3,308	3,309	2	2	-2
9	3,097	3,095	2	3	2
7	2,961	2,961	3	3	0
11	2,843	2,839	3	3	-1
12	2,641	2,640	1	7	1
0	2,480	2,480	4	0	0
23	2,429	2,420	1	8	0
2	2,313	2,315	3	1	3
13	2,202	2,202	2	1	-4
8	2,164	2,164	0	9	1
0	2,111	2,110	3	7	-1
1	1,996	1,996	0	10	0
5	1,939	1,940	4	5	-2
3	1,897	1,897	4	3	3
10	1,854	1,852	2	10	0
6	1,806	1,805	2	2	5
2	1,740	1,741	4	1	4
2	1,662	1,663	0	12	0
10	1,636	1,640	0	12	-1
4	1,605	1,605	1	7	-5

Naměřené ( $d_{obs}$ ) a vypočtené ( $d_{calc}$ ) mezivířkové vzdálenosti, jejich indexy hkl a relativní intenzity ( $I_{rel}$ )

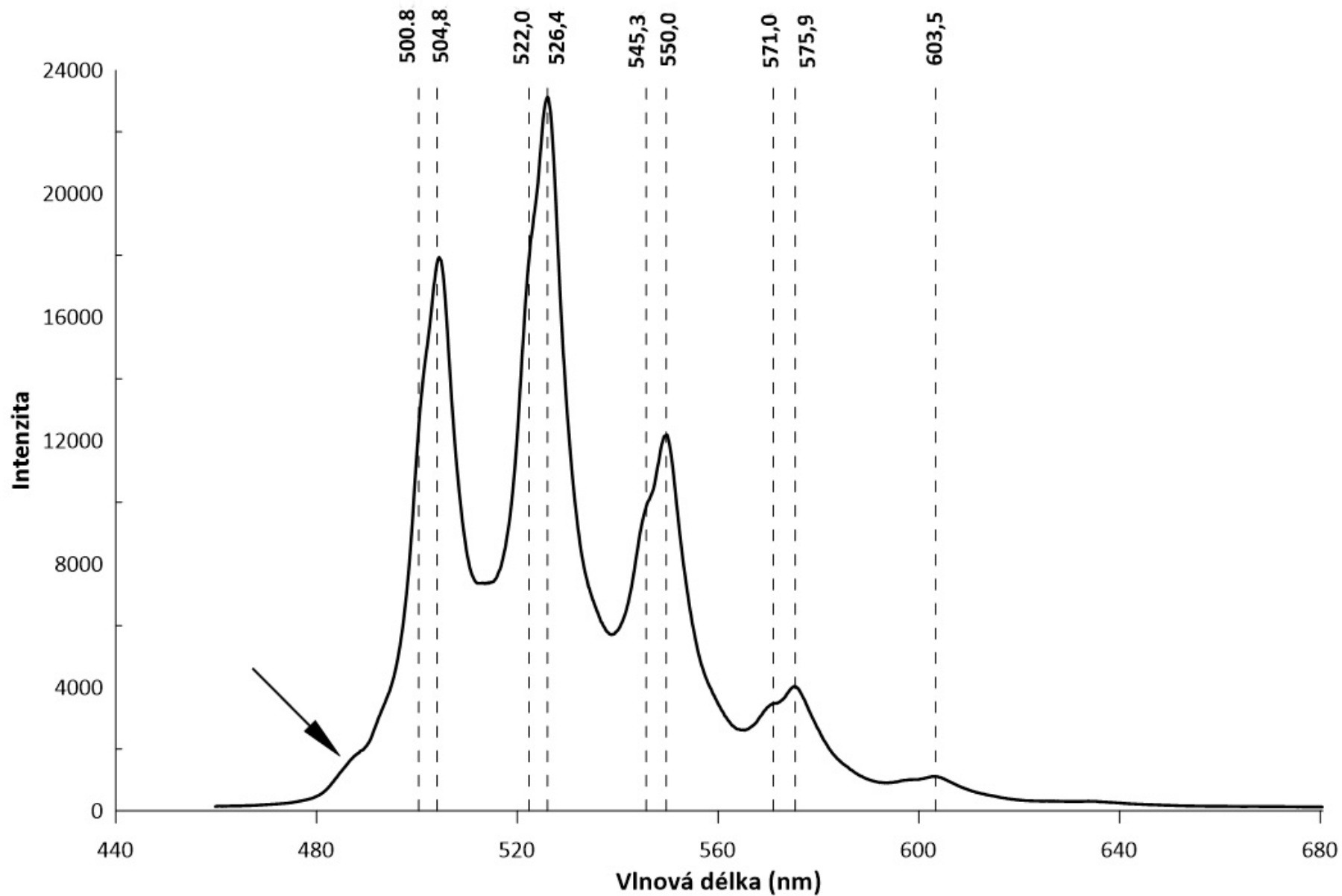




### Metaautunit Chotěboř

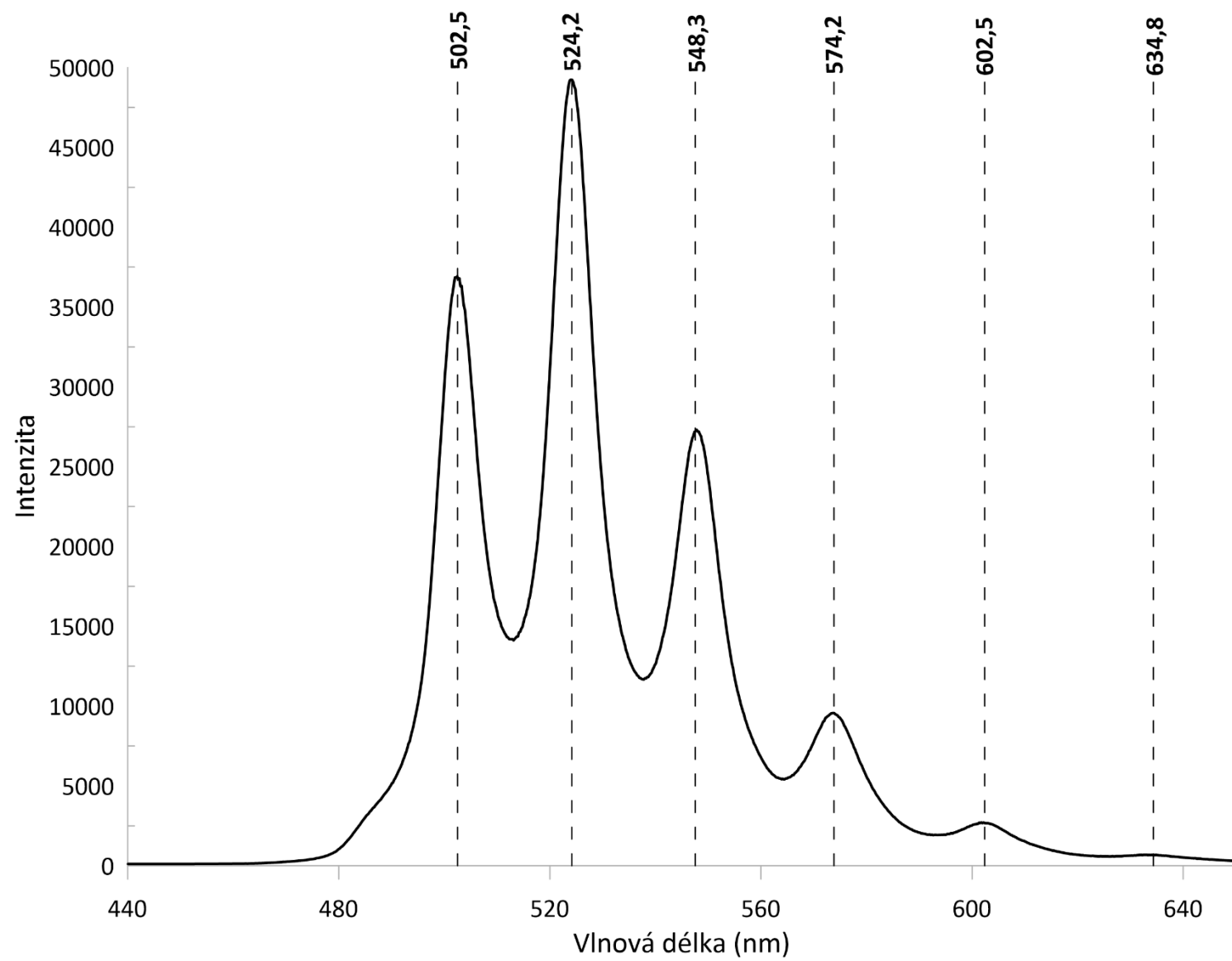


### Metaautunut Kirchsberg

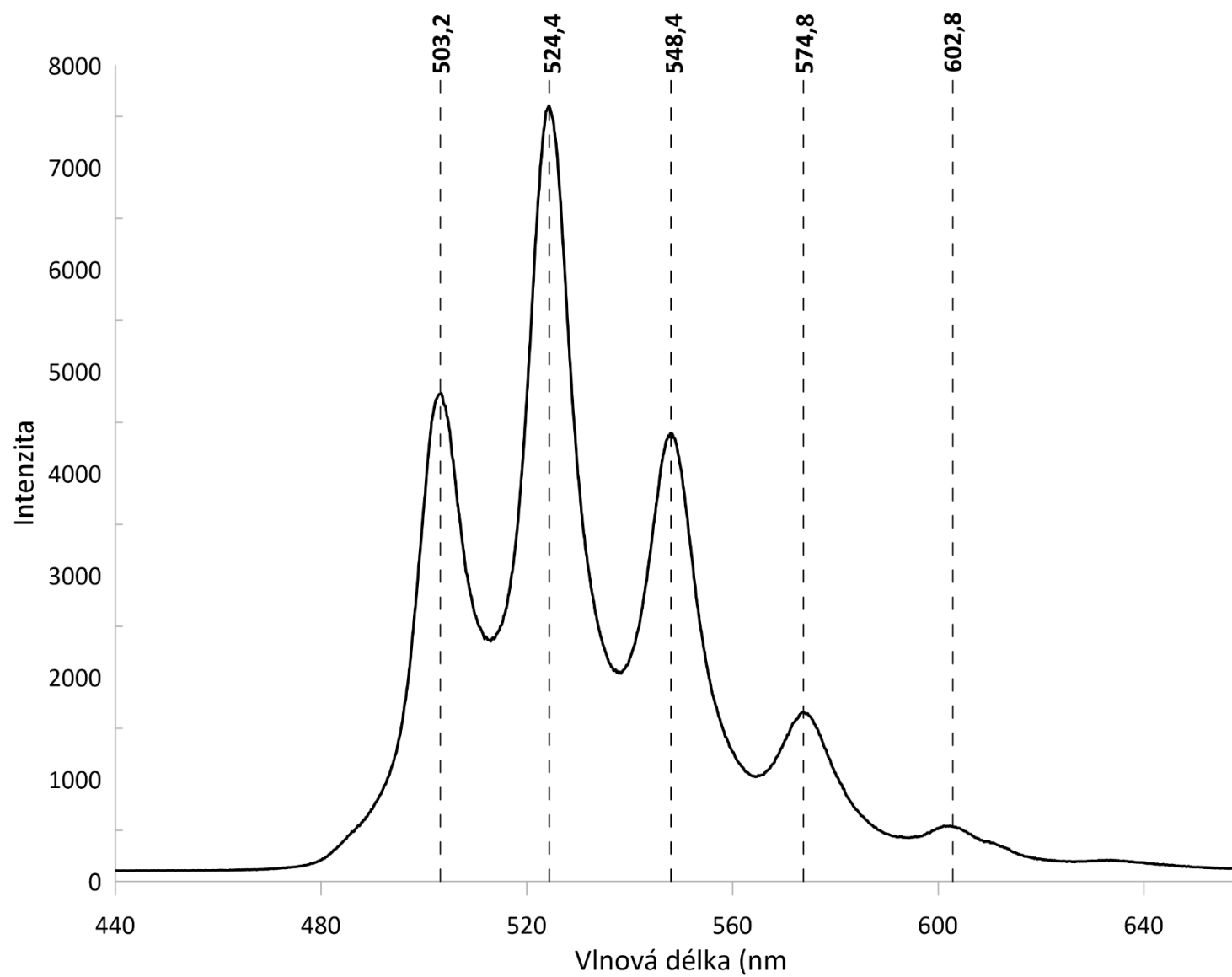




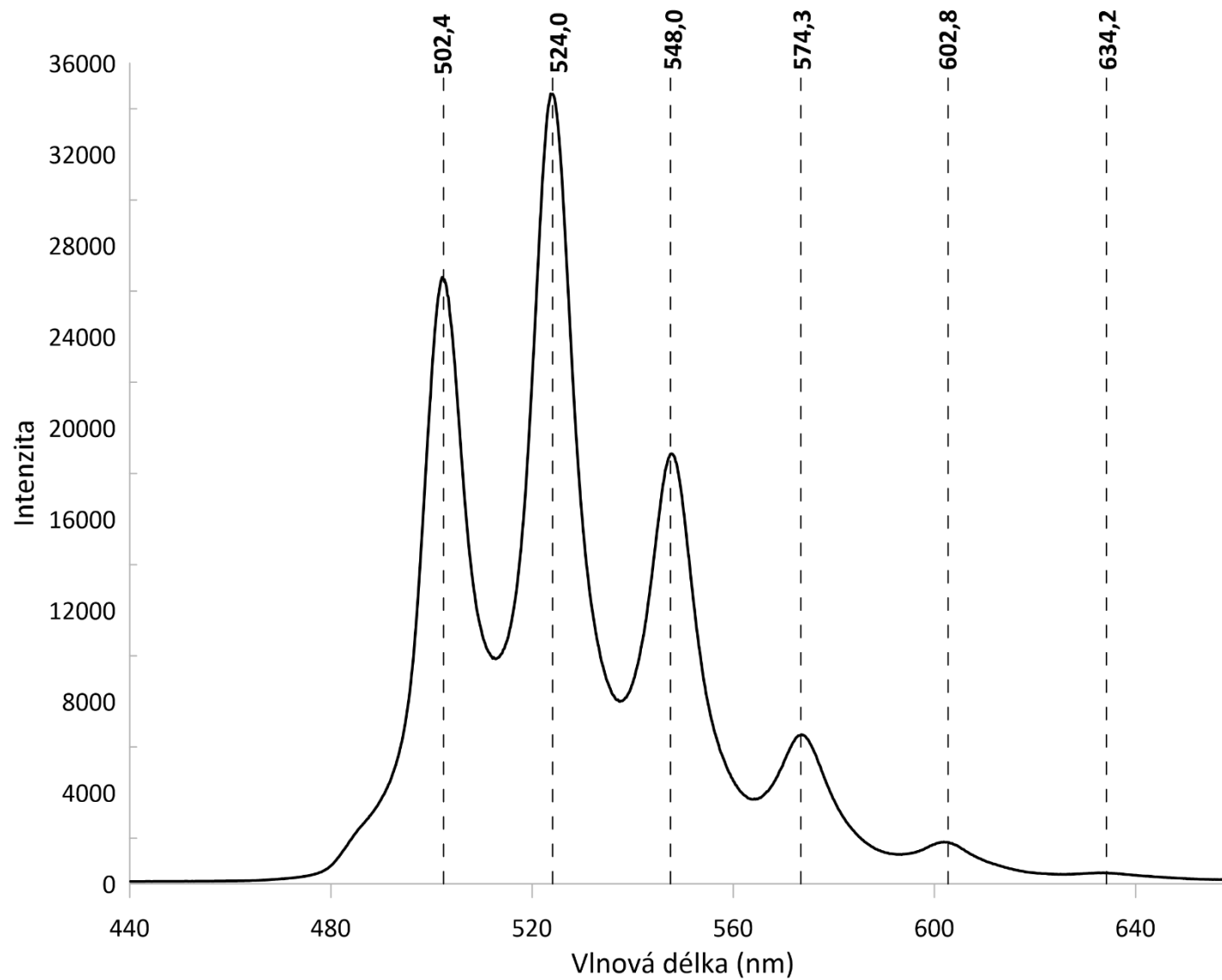
### Metaautunit Medvědin



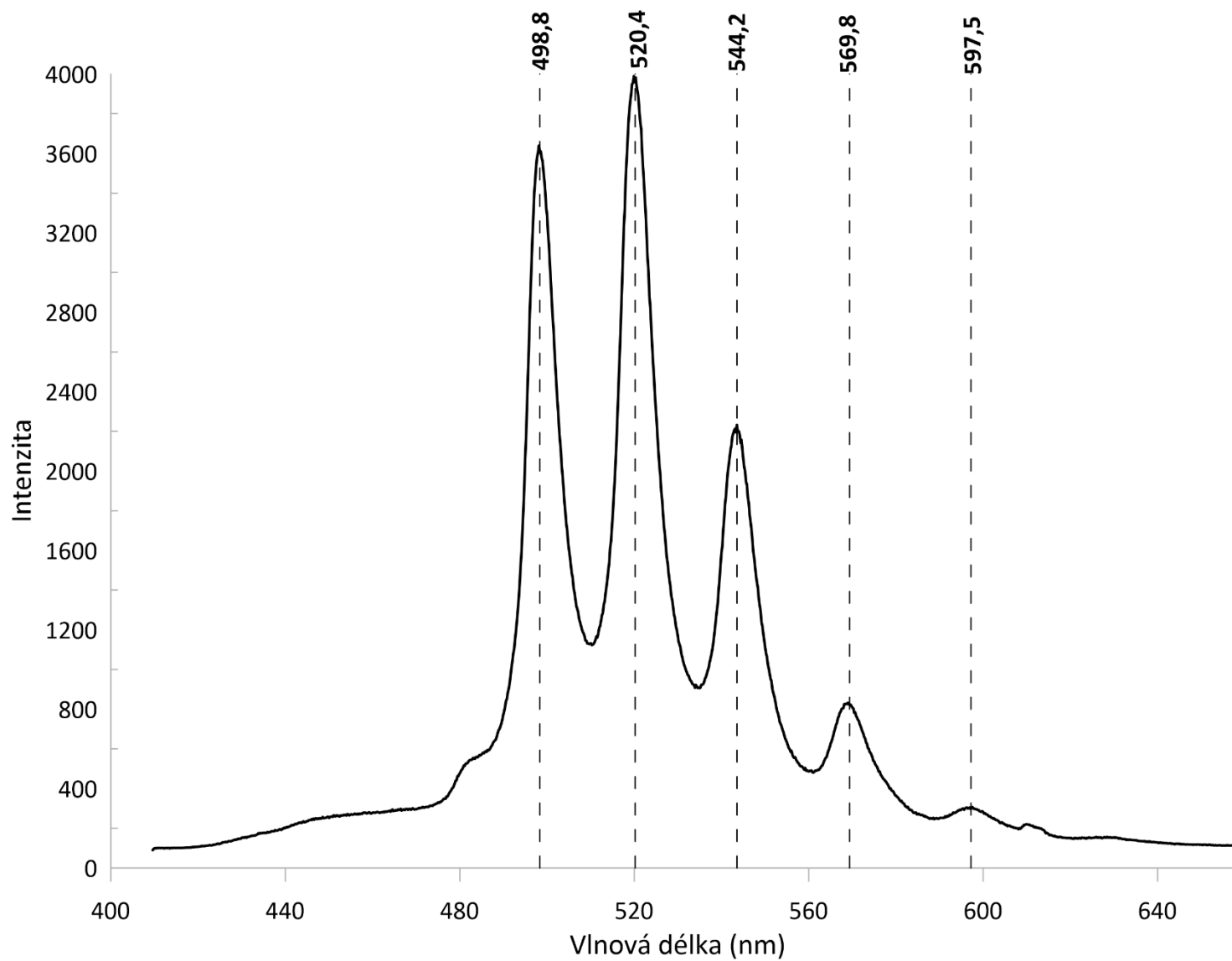
# Metaautunit Commanderie



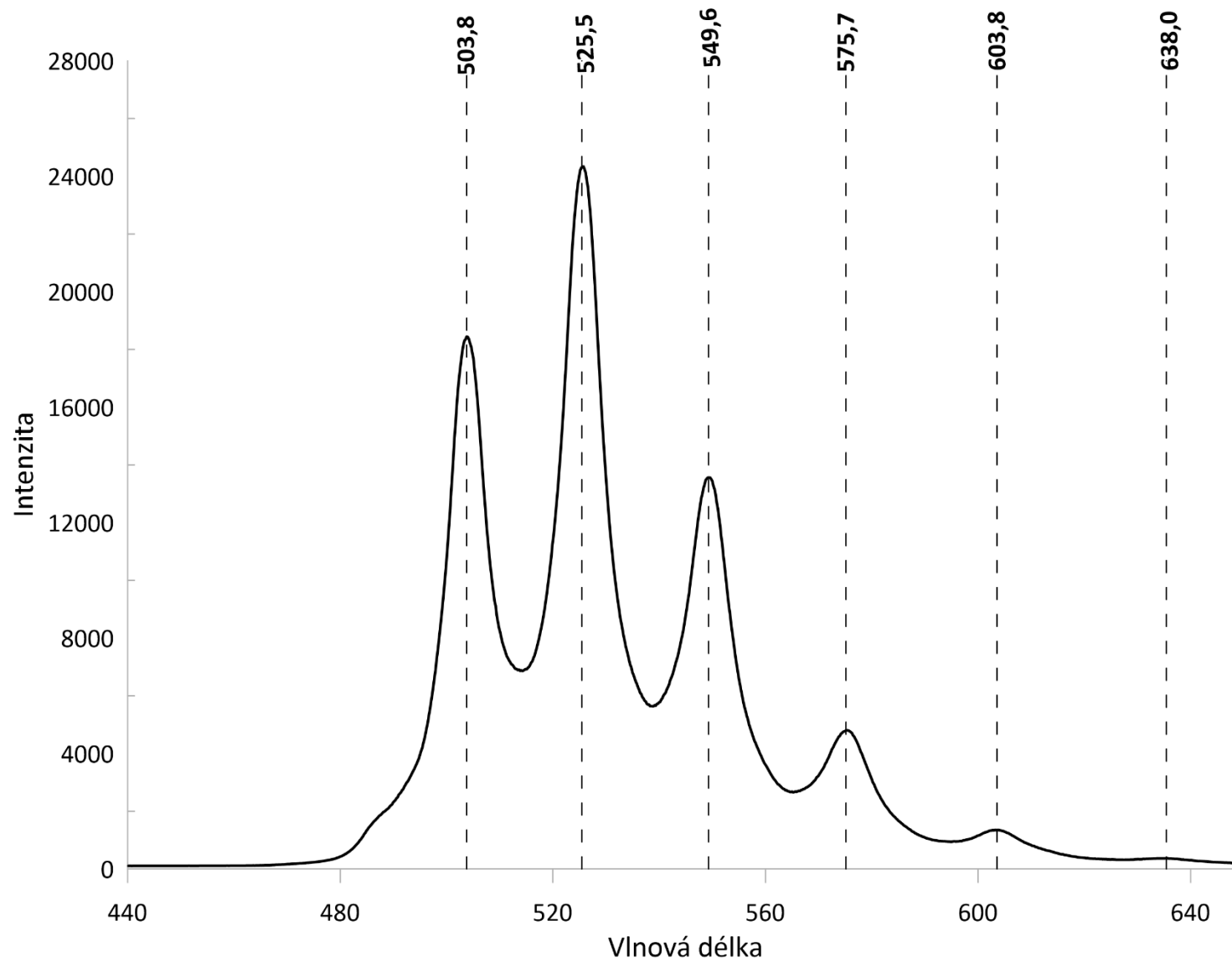
# Metaautunit Chotěboř



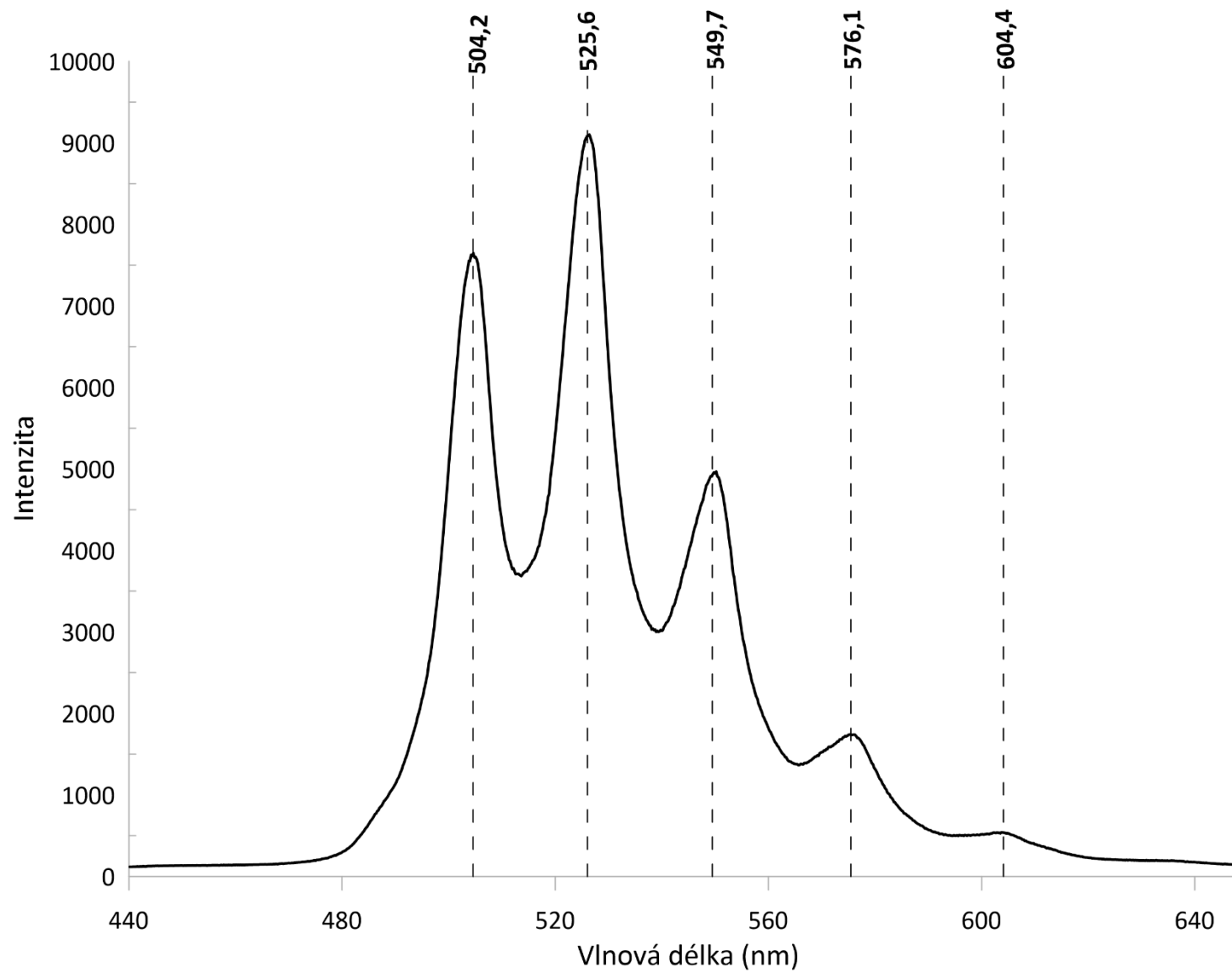
# Metaautunit Vysoký Kámen



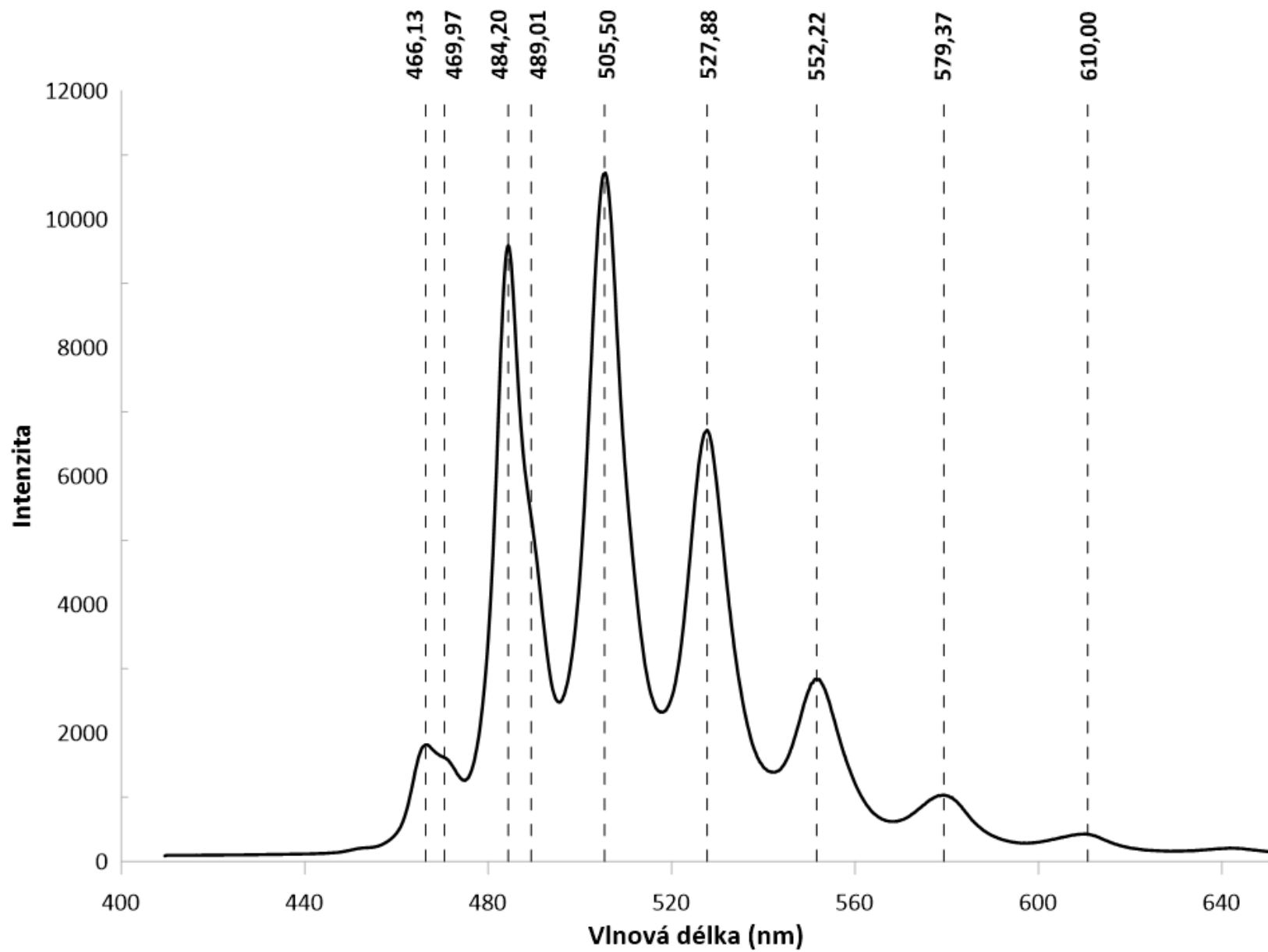
### Metaautunit Kladská

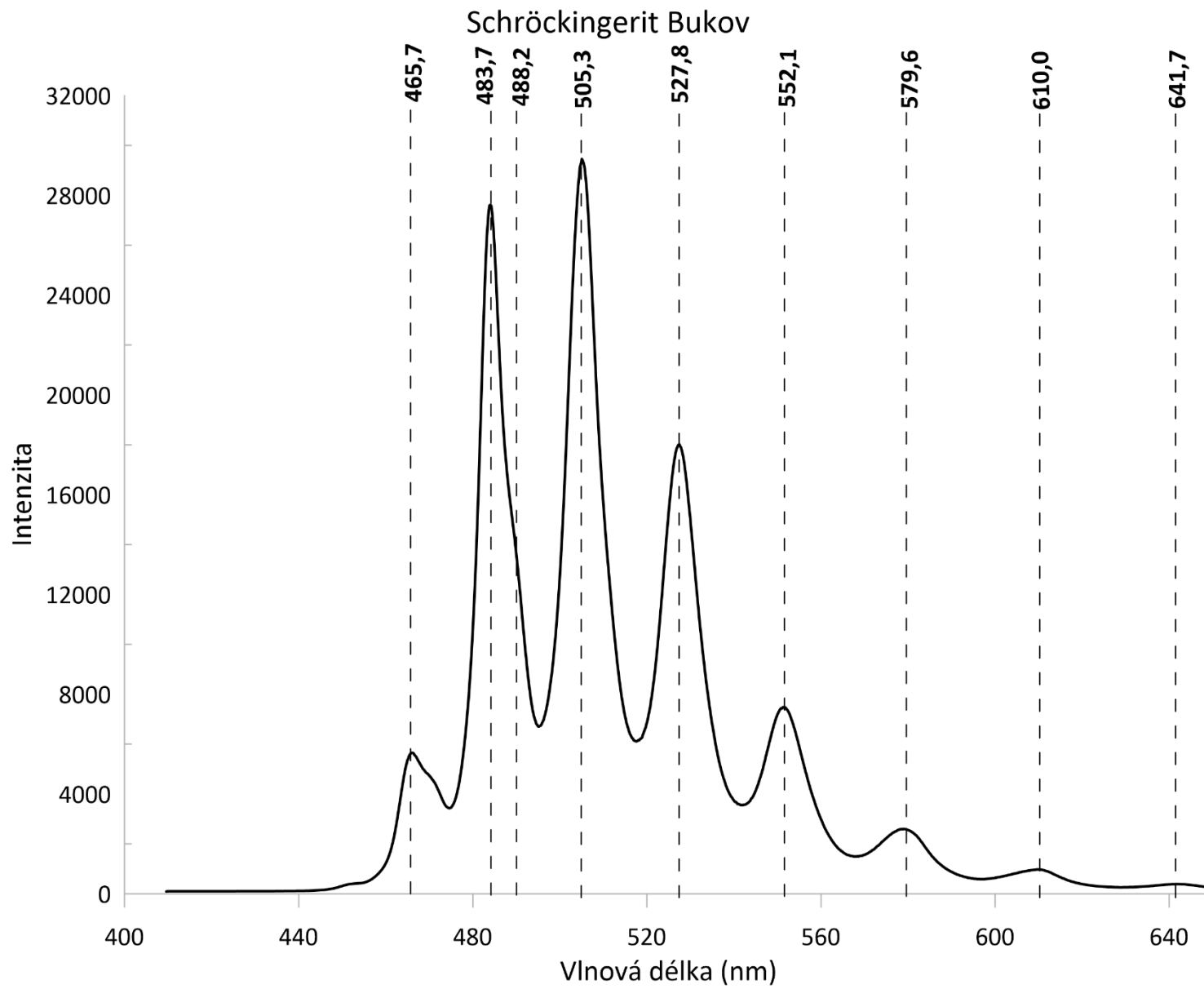


### Metaautunit Kladská

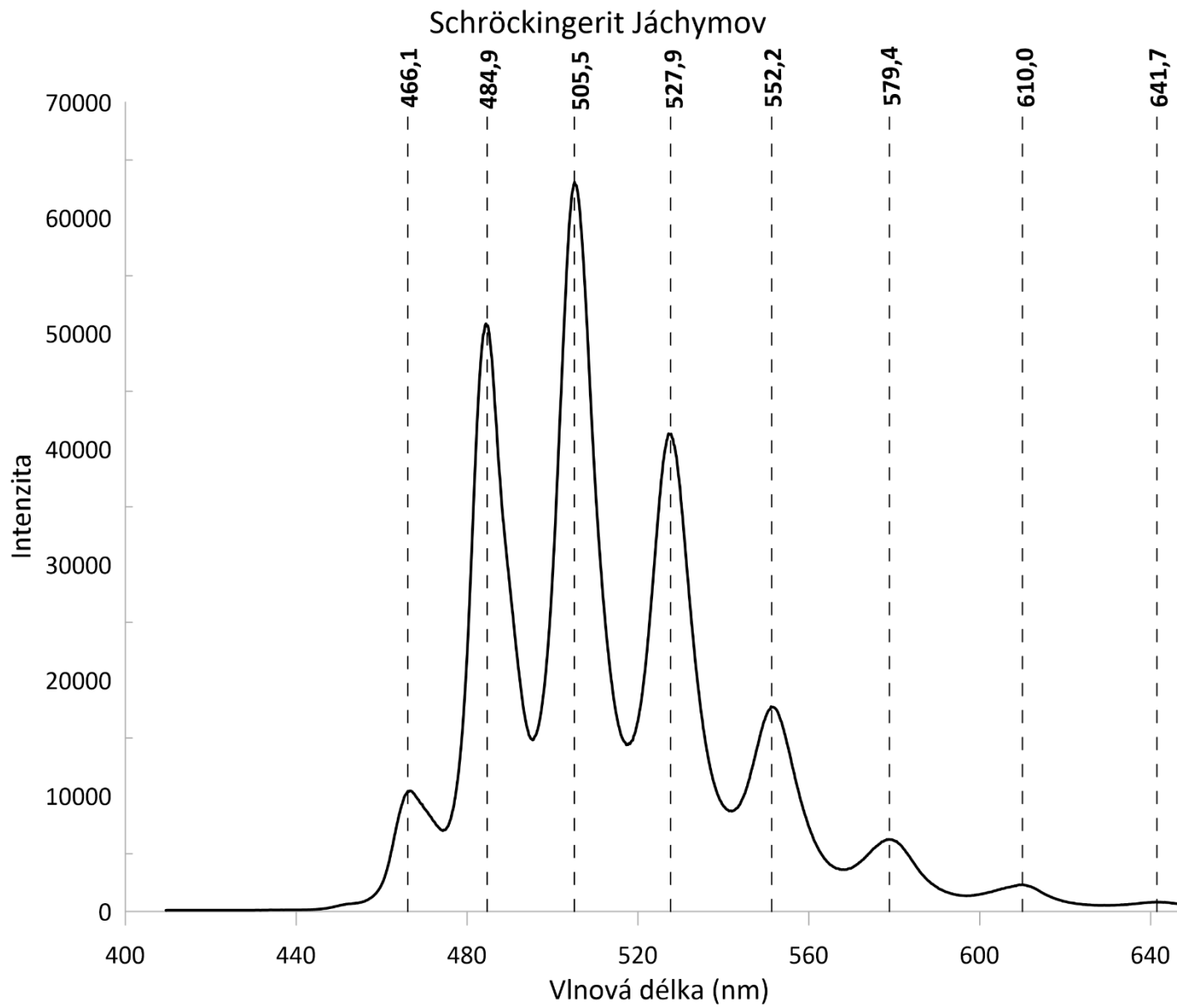


### Schröckingerit Jáchymov

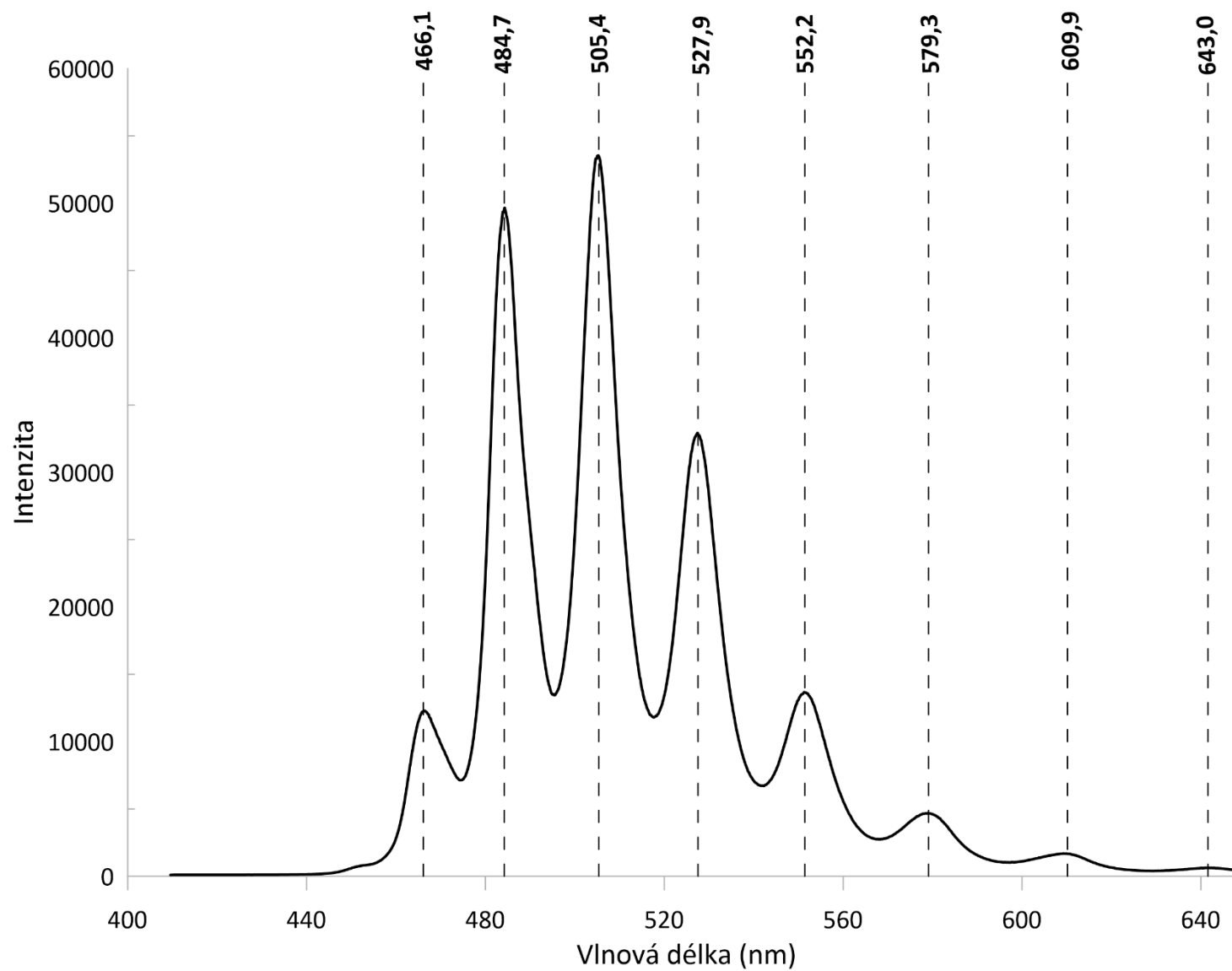


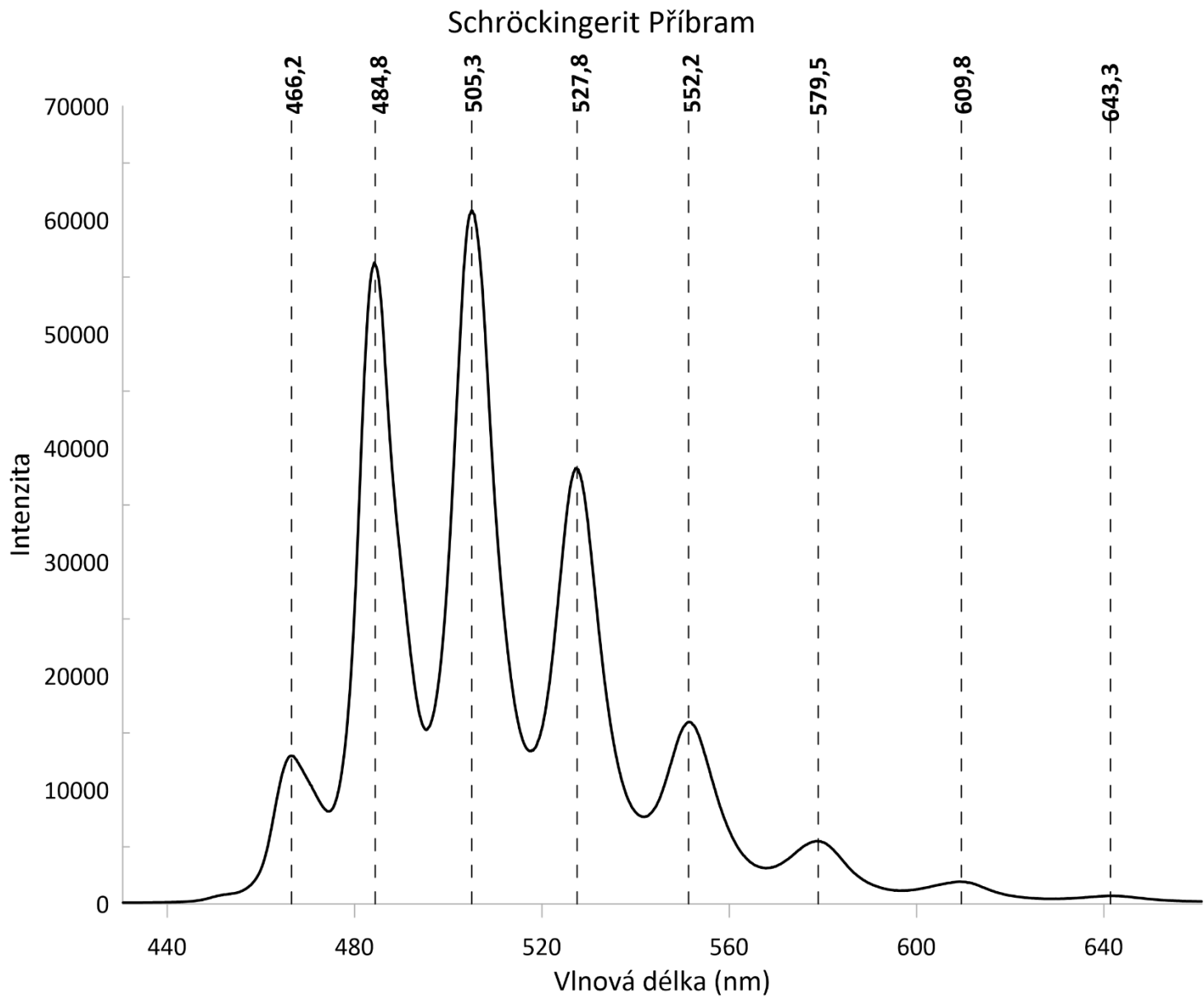




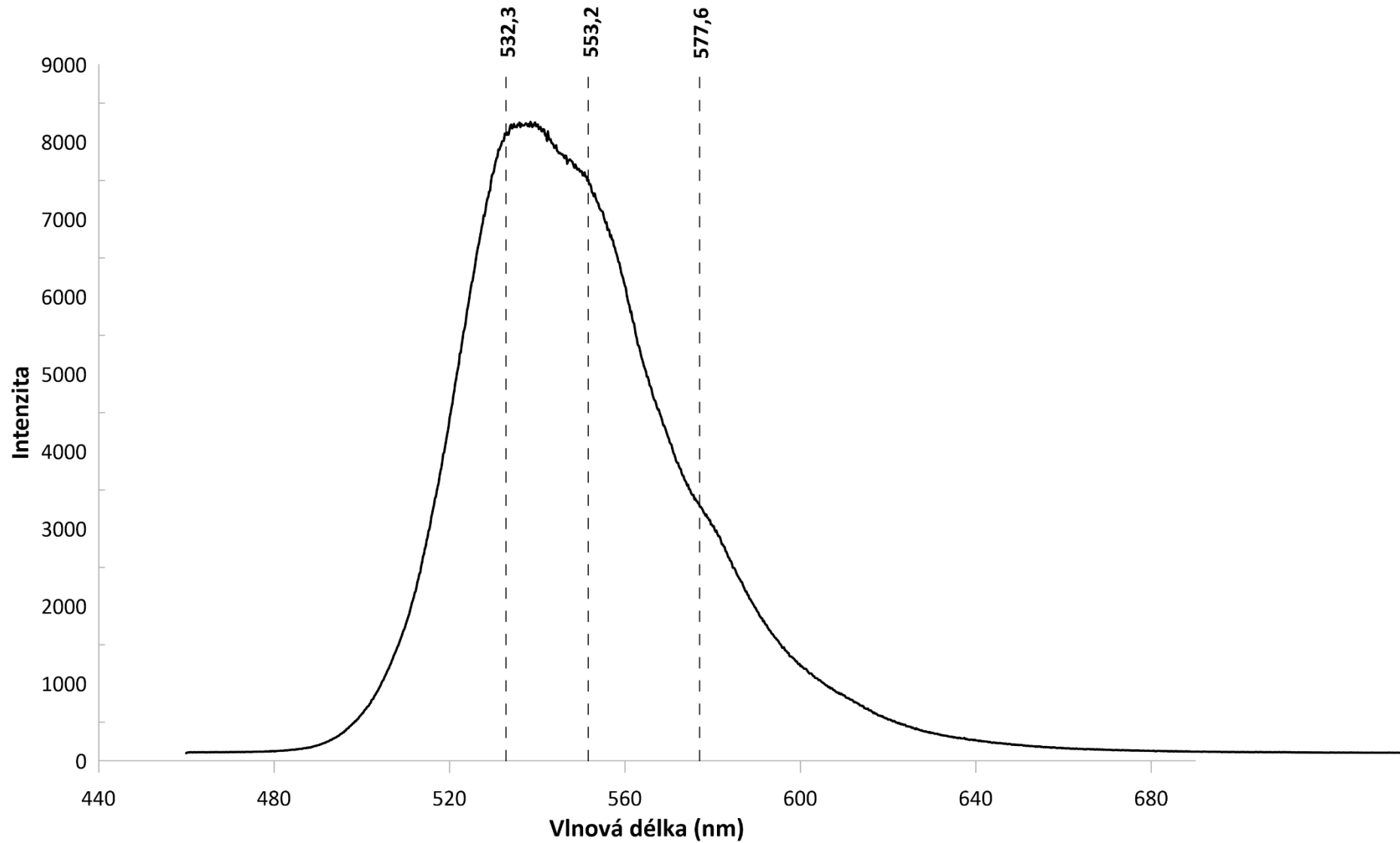


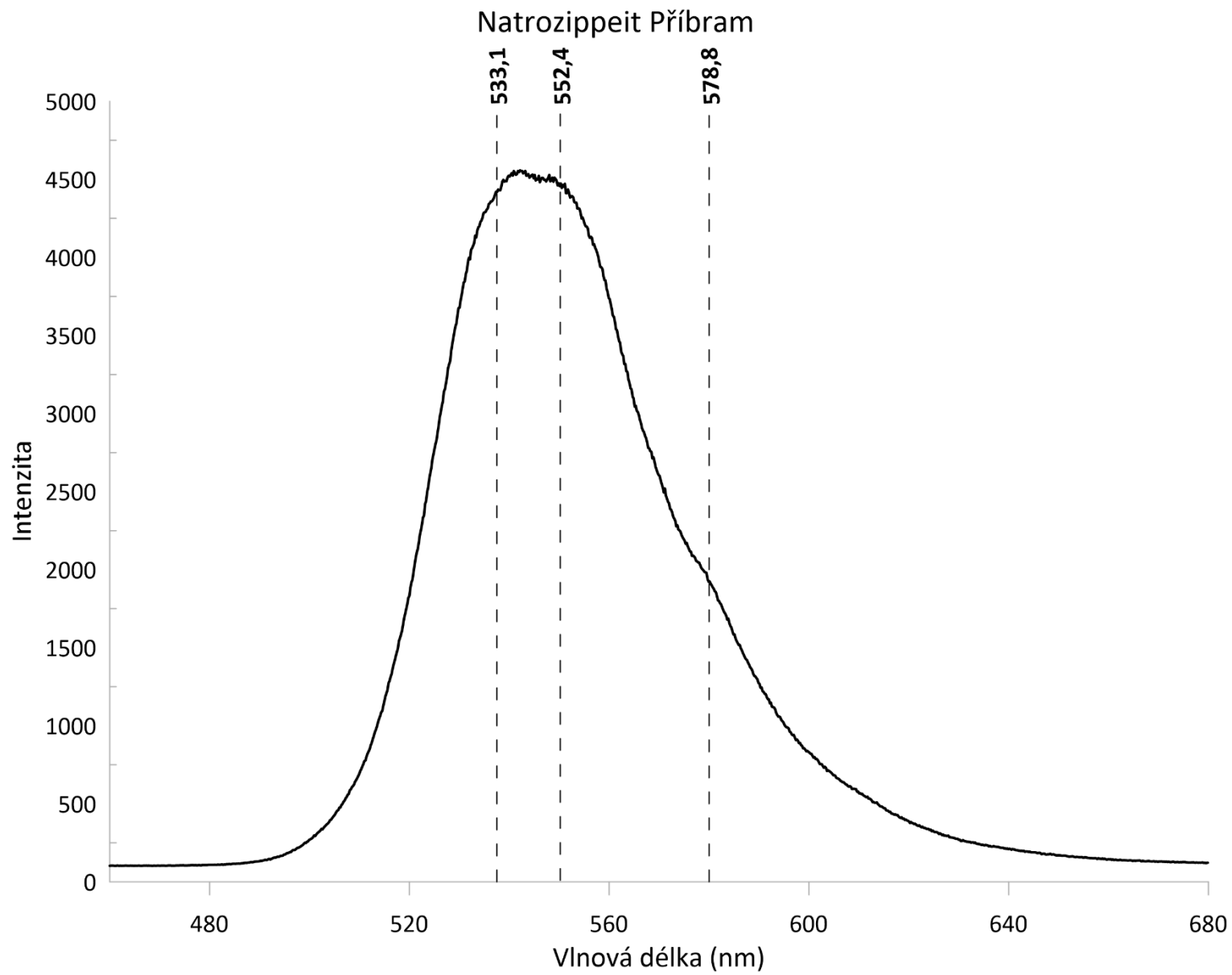
### Schröckingerit Vrchoslav



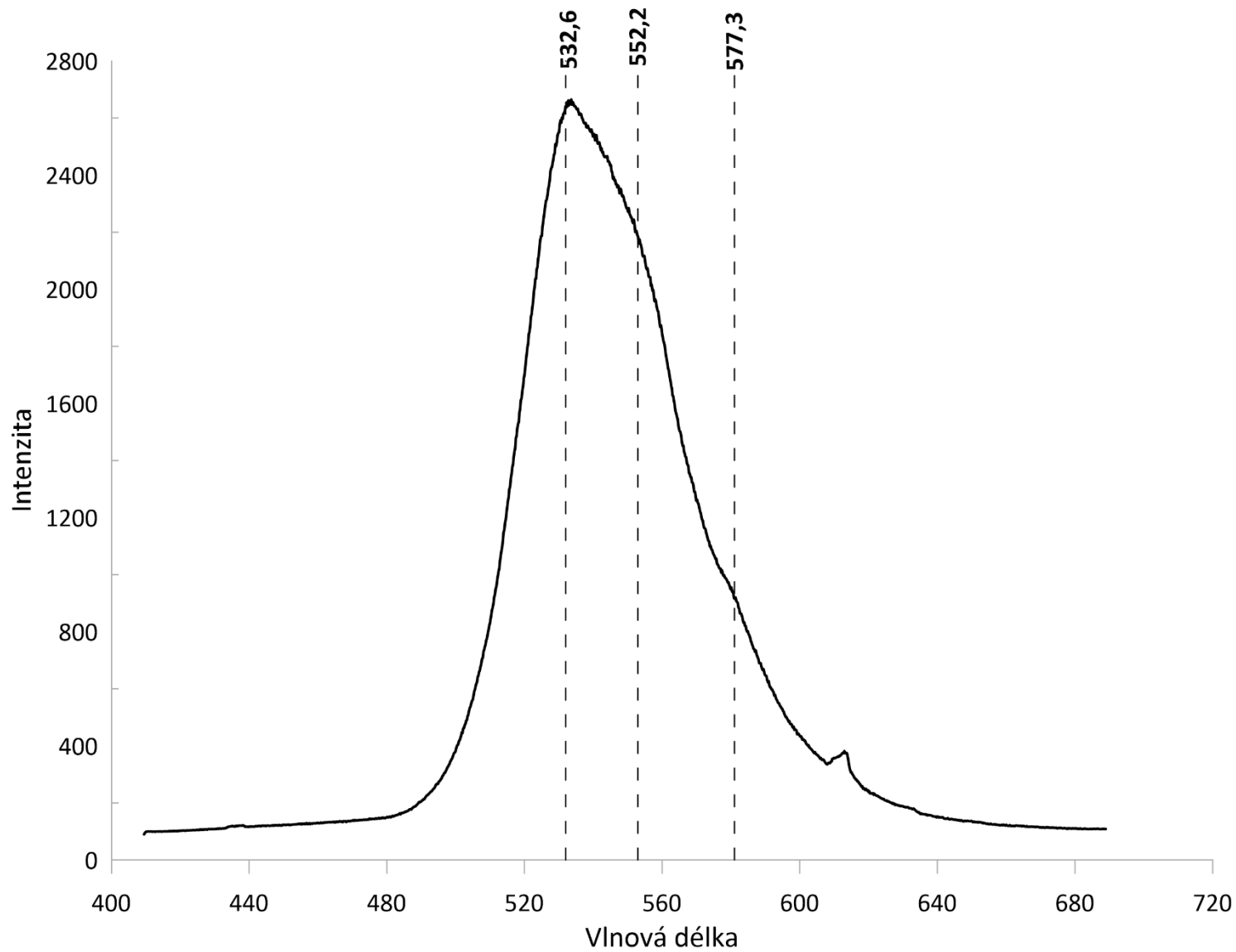


# Natrozippeit Jáchymov

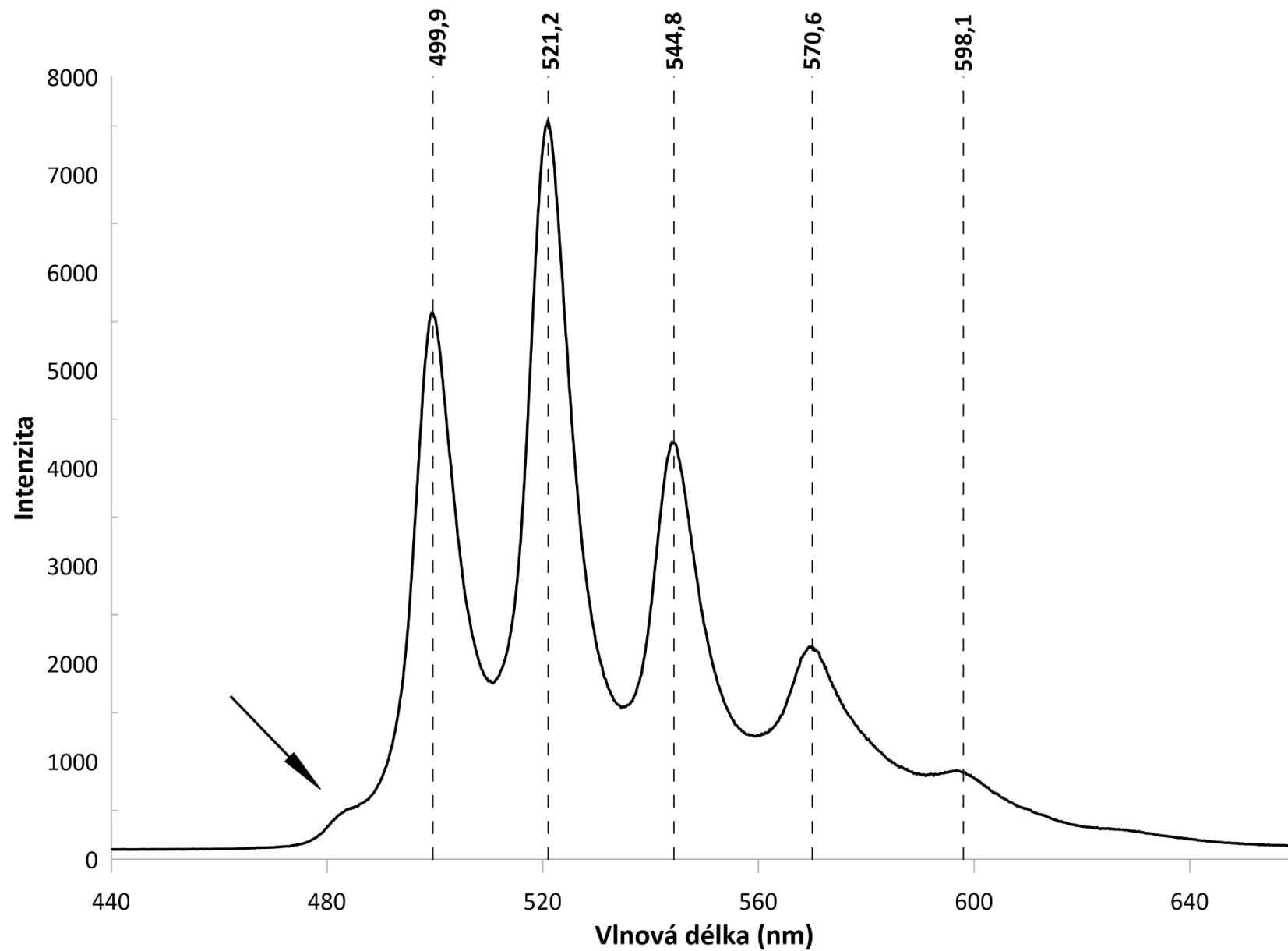




# Natrozippeit Příbram



# Saléit Medvědí



Saléit Medvědí

