

ČESKÉ VYSOKÉ UČENÍ TECHNICKÉ V PRAZE
FAKULTA ELEKTROTECHNICKÁ
KATEDRA KYBERNETIKY
OBOR BIOMEDICÍNSKÉ INŽENÝRSTVÍ



B. Příloha CD – výsledné hodnoty experimentální
části diplomové práce

Diplomová práce: Experimentální stanovení parametrů neutronového svazku
pro použití na pracovišti neutronové záchytové terapie

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Vedoucí práce: Ing. Miroslav Vinš

Rok: 2016

B. Příloha CD – výsledné hodnoty experimentální části diplomové práce

B.1 Tabulka s výslednými hodnotami z experimentu 2D pole 12x12 cm

Tab. 1: Hodnoty z 1. experimentu

Soubor	Začátek měření [datum, čas]	Centrální kanál [-]	Energie [keV]	S _p [imp]	Chyba S _p [imp]	S _{pk} [imp]
output1	03/31/2016 18:54:50.0000	549.92	2240.94	11070	105.2	1164564
output2	03/31/2016 18:59:12.0000	549.98	2241.21	19470	139.5	2716065
output3	03/31/2016 19:03:34.0000	548.78	2236.28	31040	176.2	5469248
output4	03/31/2016 19:07:56.0000	548.40	2234.74	43440	208.4	9052896
output5	03/31/2016 19:12:18.0000	548.36	2234.59	55430	235.4	13048222
output6	03/31/2016 19:16:40.0000	547.70	2231.92	64330	253.6	16314088
output7	03/31/2016 19:21:02.0000	547.57	2231.38	67680	260.2	17610336
output8	03/31/2016 19:25:24.0000	547.41	2230.72	65590	256.1	16797599
output9	03/31/2016 19:29:46.0000	547.89	2232.67	60010	245.0	14702450
output10	03/31/2016 19:34:08.0000	548.05	2233.31	52760	229.7	12118972
output11	03/31/2016 19:38:30.0000	549.00	2237.19	45380	213.0	9665940
output12	03/31/2016 19:42:52.0000	548.69	2235.94	39120	197.8	7737936
output13	03/31/2016 19:47:14.0000	548.41	2234.80	45880	214.2	9827496
output14	03/31/2016 19:51:36.0000	547.99	2233.08	54610	233.7	12762357
output15	03/31/2016 19:55:58.0000	548.13	2233.65	67390	259.6	17494444
output16	03/31/2016 20:00:20.0000	547.54	2231.25	82320	286.9	23617608
output17	03/31/2016 20:04:42.0000	547.50	2231.09	91460	302.4	27657504
output18	03/31/2016 20:09:04.0000	547.38	2230.60	94130	306.8	28879084
output19	03/31/2016 20:13:26.0000	547.42	2230.77	95060	308.3	29306998
output20	03/31/2016 20:17:48.0000	547.55	2231.29	90760	301.3	27345988
output21	03/31/2016 20:22:10.0000	547.14	2229.61	82290	286.9	23609001
output22	03/31/2016 20:26:32.0000	547.83	2232.42	69540	263.7	18337698
output23	03/31/2016 20:30:54.0000	548.09	2233.49	55640	235.9	13125476
output24	03/31/2016 20:35:16.0000	548.41	2234.77	45950	214.4	9851680
output25	03/31/2016 20:39:38.0000	547.98	2233.06	56580	237.9	13460382
output26	03/31/2016 20:44:00.0000	547.94	2232.89	73460	271.0	19907660
output27	03/31/2016 20:48:22.0000	547.39	2230.65	90980	301.6	27439568
output28	03/31/2016 20:52:44.0000	547.12	2229.54	102900	320.7	33000030
output29	03/31/2016 20:57:06.0000	546.87	2228.52	108300	329.1	35641530
output30	03/31/2016 21:01:28.0000	547.61	2231.55	111700	334.3	37341310
output31	03/31/2016 21:05:50.0000	547.78	2232.22	109700	331.2	36332640
output32	03/31/2016 21:10:12.0000	547.19	2229.81	107000	327.1	34999700
output33	03/31/2016 21:14:34.0000	547.69	2231.86	102400	320.0	32768000
output34	03/31/2016 21:18:56.0000	547.67	2231.78	88950	298.3	26533785
output35	03/31/2016 21:23:18.0000	547.65	2231.69	70970	266.4	18906408
output36	03/31/2016 21:27:40.0000	548.40	2234.75	54040	232.5	12564300
output37	03/31/2016 21:32:02.0000	547.77	2232.19	68340	261.4	17864076

Soubor	Začátek měření [datum, čas]	Centrální kanál [-]	Energie [keV]	S _p [imp]	Chyba S _p [imp]	S _{pk} [imp]
output38	03/31/2016 21:36:24.0000	547.54	2231.23	89470	299.1	26760477
output39	03/31/2016 21:40:46.0000	547.93	2232.82	104900	323.8	33966620
output40	03/31/2016 21:45:08.0000	547.61	2231.52	114100	337.7	38531570
output41	03/31/2016 21:49:30.0000	547.81	2232.36	115100	339.3	39053430
output42	03/31/2016 21:53:52.0000	547.41	2230.72	115100	339.2	39041920
output43	03/31/2016 21:58:14.0000	547.83	2232.43	117000	342.0	40014000
output44	03/31/2016 22:02:36.0000	547.33	2230.39	115600	340.0	39304000
output45	03/31/2016 22:06:58.0000	547.71	2231.96	113100	336.3	38035530
output46	03/31/2016 22:11:20.0000	547.68	2231.82	108000	328.7	35499600
output47	03/31/2016 22:15:42.0000	547.88	2232.61	91680	302.8	27760704
output48	03/31/2016 22:20:04.0000	547.88	2232.64	70640	265.8	18776112
output49	03/31/2016 22:24:26.0000	548.10	2233.54	82400	287.0	23648800
output50	03/31/2016 22:28:48.0000	547.70	2231.90	103700	322.1	33401770
output51	03/31/2016 22:33:10.0000	547.67	2231.78	111500	333.9	37229850
output52	03/31/2016 22:37:32.0000	547.69	2231.85	117900	343.4	40486860
output53	03/31/2016 22:41:54.0000	547.32	2230.36	119600	345.9	41369640
output54	03/31/2016 22:46:16.0000	547.31	2230.32	118300	344.0	40695200
output55	03/31/2016 22:50:38.0000	546.95	2228.84	118400	344.1	40741440
output56	03/31/2016 22:55:00.0000	547.75	2232.11	119600	345.8	41357680
output57	03/31/2016 22:59:22.0000	547.35	2230.47	117000	342.1	40025700
output58	03/31/2016 23:03:44.0000	547.82	2232.39	114100	337.8	38542980
output59	03/31/2016 23:08:06.0000	547.90	2232.70	101700	319.0	32442300
output60	03/31/2016 23:12:28.0000	548.18	2233.85	81050	284.7	23074935
output61	03/31/2016 23:16:50.0000	547.60	2231.50	89270	298.8	26673876
output62	03/31/2016 23:21:12.0000	548.16	2233.78	108600	329.6	35794560
output63	03/31/2016 23:25:34.0000	547.42	2230.77	114300	338.1	38644830
output64	03/31/2016 23:29:56.0000	547.78	2232.21	117900	343.4	40486860
output65	03/31/2016 23:34:18.0000	547.25	2230.08	121900	349.2	42567480
output66	03/31/2016 23:38:40.0000	547.48	2231.01	119400	345.6	41264640
output67	03/31/2016 23:43:02.0000	547.55	2231.28	121400	348.4	42295760
output68	03/31/2016 23:47:24.0000	547.64	2231.63	117900	343.4	40486860
output69	03/31/2016 23:51:46.0000	547.08	2229.38	117900	343.3	40475070
output70	03/31/2016 23:56:08.0000	547.97	2233.01	116500	341.3	39761450
output71	04/01/2016 00:00:30.0000	547.39	2230.64	108700	329.6	35827520
output72	04/01/2016 00:04:52.0000	548.52	2235.24	92640	304.4	28199616
output73	04/01/2016 00:09:14.0000	548.22	2234.01	96060	309.9	29768994
output74	04/01/2016 00:13:36.0000	547.38	2230.58	111100	333.2	37018520
output75	04/01/2016 00:17:58.0000	547.69	2231.84	115800	340.3	39406740
output76	04/01/2016 00:22:20.0000	547.76	2232.13	120200	346.7	41673340
output77	04/01/2016 00:26:42.0000	547.96	2232.95	119100	345.1	41101410
output78	04/01/2016 00:31:04.0000	547.24	2230.03	120700	347.4	41931180
output79	04/01/2016 00:35:25.0000	547.22	2229.94	119300	345.3	41194290
output80	04/01/2016 00:39:47.0000	547.37	2230.57	122000	349.3	42614600
output81	04/01/2016 00:44:09.0000	547.58	2231.41	116900	341.9	39968110

Soubor	Začátek měření [datum, čas]	Centrální kanál [-]	Energie [keV]	S _p [imp]	Chyba S _p [imp]	S _{pk} [imp]
output82	04/01/2016 00:48:31.0000	547.55	2231.27	118000	343.5	40533000
output83	04/01/2016 00:52:53.0000	547.11	2229.51	111200	333.5	37085200
output84	04/01/2016 00:57:15.0000	547.64	2231.65	94780	307.9	29182762
output85	04/01/2016 01:01:37.0000	548.02	2233.20	93810	306.3	28734003
output86	04/01/2016 01:05:59.0000	547.95	2232.92	111300	333.6	37129680
output87	04/01/2016 01:10:21.0000	547.50	2231.08	115000	339.1	38996500
output88	04/01/2016 01:14:43.0000	547.35	2230.48	118500	344.2	40787700
output89	04/01/2016 01:19:05.0000	547.21	2229.91	118700	344.5	40892150
output90	04/01/2016 01:23:27.0000	547.21	2229.92	118600	344.4	40845840
output91	04/01/2016 01:27:49.0000	547.04	2229.21	120000	346.4	41568000
output92	04/01/2016 01:32:11.0000	547.17	2229.73	118800	344.7	40950360
output93	04/01/2016 01:36:33.0000	547.17	2229.75	118000	343.5	40533000
output94	04/01/2016 01:40:55.0000	547.00	2229.06	116000	340.6	39509600
output95	04/01/2016 01:45:17.0000	547.44	2230.82	111100	333.3	37029630
output96	04/01/2016 01:49:39.0000	547.72	2231.97	97140	311.7	30278538
output97	04/01/2016 01:54:01.0000	547.57	2231.38	91810	303.0	27818430
output98	04/01/2016 01:58:23.0000	547.59	2231.43	109400	330.8	36189520
output99	04/01/2016 02:02:45.0000	547.41	2230.73	114400	338.2	38690080
output100	04/01/2016 02:07:07.0000	547.12	2229.52	116800	341.7	39910560
output101	04/01/2016 02:11:29.0000	546.52	2227.10	114700	338.6	38837420
output102	04/01/2016 02:15:51.0000	547.10	2229.45	117500	342.7	40267250
output103	04/01/2016 02:20:13.0000	546.80	2228.25	118800	344.6	40938480
output104	04/01/2016 02:24:35.0000	547.17	2229.72	118800	344.7	40950360
output105	04/01/2016 02:28:57.0000	547.26	2230.11	116400	341.2	39715680
output106	04/01/2016 02:33:19.0000	547.32	2230.36	114100	337.8	38542980
output107	04/01/2016 02:37:41.0000	548.08	2233.45	107200	327.5	35108000
output108	04/01/2016 02:42:03.0000	548.03	2233.26	91200	302.0	27542400
output109	04/01/2016 02:46:25.0000	547.56	2231.34	82580	287.4	23733492
output110	04/01/2016 02:50:47.0000	547.30	2230.29	102100	319.5	32620950
output111	04/01/2016 02:55:08.0000	547.04	2229.21	110600	332.5	36774500
output112	04/01/2016 02:59:30.0000	547.07	2229.34	113500	336.8	38226800
output113	04/01/2016 03:03:52.0000	547.80	2232.30	116600	341.5	39818900
output114	04/01/2016 03:08:14.0000	546.89	2228.59	116100	340.7	39555270
output115	04/01/2016 03:12:36.0000	546.73	2227.96	116700	341.6	39864720
output116	04/01/2016 03:16:58.0000	547.09	2229.42	115000	339.1	38996500
output117	04/01/2016 03:21:20.0000	547.06	2229.29	114500	338.4	38746800
output118	04/01/2016 03:25:42.0000	547.33	2230.39	111000	333.2	36985200
output119	04/01/2016 03:30:04.0000	548.12	2233.62	101300	318.2	32233660
output120	04/01/2016 03:34:26.0000	547.94	2232.86	83470	288.9	24114483
output121	04/01/2016 03:38:48.0000	547.56	2231.32	72240	268.8	19418112
output122	04/01/2016 03:43:10.0000	547.43	2230.81	91450	302.4	27654480
output123	04/01/2016 03:47:32.0000	547.18	2229.79	107100	327.3	35053830
output124	04/01/2016 03:51:54.0000	547.41	2230.70	111600	334.1	37285560
output125	04/01/2016 03:56:16.0000	546.72	2227.89	112600	335.6	37788560

Soubor	Začátek měření [datum, čas]	Centrální kanál [-]	Energie [keV]	S _p [imp]	Chyba S _p [imp]	S _{pk} [imp]
output126	04/01/2016 04:00:38.0000	547.36	2230.52	114000	337.6	38486400
output127	04/01/2016 04:05:00.0000	547.55	2231.29	114200	338.0	38599600
output128	04/01/2016 04:09:22.0000	547.00	2229.04	111600	334.1	37285560
output129	04/01/2016 04:13:44.0000	547.35	2230.47	112900	336.1	37945690
output130	04/01/2016 04:18:06.0000	547.04	2229.21	106200	325.9	34610580
output131	04/01/2016 04:22:28.0000	547.61	2231.53	90860	301.4	27385204
output132	04/01/2016 04:26:50.0000	547.98	2233.02	69640	263.9	18377996
output133	04/01/2016 04:31:12.0000	547.73	2232.03	55910	236.5	13222715
output134	04/01/2016 04:35:34.0000	547.78	2232.23	75610	275.0	20792750
output135	04/01/2016 04:39:56.0000	547.75	2232.10	94160	306.9	28897704
output136	04/01/2016 04:44:17.0000	547.60	2231.48	103200	321.3	33158160
output137	04/01/2016 04:48:40.0000	547.59	2231.46	108100	328.8	35543280
output138	04/01/2016 04:53:02.0000	547.11	2229.48	109600	331.1	36288560
output139	04/01/2016 04:57:24.0000	547.23	2229.99	108200	329.0	35597800
output140	04/01/2016 05:01:46.0000	546.70	2227.83	108600	329.5	35783700
output141	04/01/2016 05:06:07.0000	548.27	2234.20	102000	319.4	32578800
output142	04/01/2016 05:10:29.0000	547.33	2230.37	93400	305.6	28543040
output143	04/01/2016 05:14:51.0000	547.84	2232.45	76500	276.6	21159900
output144	04/01/2016 05:19:13.0000	547.64	2231.66	57830	240.5	13908115

B.2 Tabulka s výslednými hodnotami z experimentu 3D pole 16x16 cm (x = 0 cm)

Tab. 2: Hodnoty z 3. experimentu (x = 0 cm)

Soubor	Začátek měření [datum, čas]	Centrální kanál [-]	Energie [keV]	S _p [imp]	Chyba S _p [imp]	S _{pk} [imp]
output1	05/03/2016 14:53:34.0000	535.11	2180.60	3503	59.2	3777
output2	05/03/2016 14:56:57.0000	534.22	2176.95	3676	60.6	3498
output3	05/03/2016 15:00:19.0000	535.06	2180.38	3800	61.6	3647
output4	05/03/2016 15:03:41.0000	535.36	2181.61	3979	63.1	3883
output5	05/03/2016 15:07:04.0000	535.00	2180.16	4466	66.8	4449
output6	05/03/2016 15:10:27.0000	536.23	2185.17	4608	67.9	4574
output7	05/03/2016 15:13:49.0000	535.92	2183.91	5128	71.6	5118
output8	05/03/2016 15:17:12.0000	536.43	2185.98	5582	74.7	5597
output9	05/03/2016 15:20:35.0000	535.65	2182.78	6051	77.8	6113
output10	05/03/2016 15:23:57.0000	536.59	2186.61	6220	78.9	6339
output11	05/03/2016 15:27:20.0000	536.66	2186.91	6395	80.0	6459
output12	05/03/2016 15:30:42.0000	537.04	2188.46	6508	80.7	6480
output13	05/03/2016 15:34:05.0000	537.58	2190.66	6701	81.9	6685
output14	05/03/2016 15:37:27.0000	537.11	2188.74	7164	84.6	7129
output15	05/03/2016 15:40:50.0000	537.23	2189.21	6891	83.0	6854

Soubor	Začátek měření [datum,čas]	Centrální kanál [-]	Energie [keV]	S _p [imp]	Chyba S _p [imp]	S _{pk} [imp]
output16	05/03/2016 15:44:12.0000	537.78	2191.46	6830	82.6	6876
output17	05/03/2016 15:47:34.0000	537.47	2190.22	6952	83.4	7032
output18	05/03/2016 15:50:57.0000	537.73	2191.29	7933	89.1	8110
output19	05/03/2016 15:54:18.0000	537.20	2189.09	8638	92.9	8974
output20	05/03/2016 15:57:41.0000	537.97	2192.24	10250	101.2	10720
output21	05/03/2016 16:01:03.0000	536.34	2185.60	12880	113.5	13276
output22	05/03/2016 16:04:25.0000	536.63	2186.77	16540	128.6	16975
output23	05/03/2016 16:07:48.0000	536.49	2186.22	21240	145.7	21824
output24	05/03/2016 16:11:11.0000	536.86	2187.71	24480	156.5	25146
output25	05/03/2016 16:14:33.0000	537.17	2188.99	26060	161.4	26835
output26	05/03/2016 16:17:55.0000	536.53	2186.39	25700	160.3	26511
output27	05/03/2016 16:21:18.0000	536.56	2186.51	24120	155.3	24226
output28	05/03/2016 16:24:40.0000	537.25	2189.29	20230	142.2	20333
output29	05/03/2016 16:28:03.0000	537.31	2189.57	16680	129.1	17150
output30	05/03/2016 16:31:26.0000	538.71	2195.28	14350	119.8	14827
output31	05/03/2016 16:34:48.0000	538.44	2194.17	12850	113.4	13241
output32	05/03/2016 16:38:10.0000	538.41	2194.06	11660	108.0	12096
output33	05/03/2016 16:41:33.0000	538.03	2192.47	12270	110.8	12630
output34	05/03/2016 16:44:55.0000	538.28	2193.51	14420	120.1	14784
output35	05/03/2016 16:48:18.0000	537.75	2191.35	18620	136.4	18880
output36	05/03/2016 16:51:40.0000	537.59	2190.68	26330	162.3	26443
output37	05/03/2016 16:55:03.0000	537.10	2188.69	35430	188.2	35739
output38	05/03/2016 16:58:25.0000	536.77	2187.37	42560	206.3	42992
output39	05/03/2016 17:01:48.0000	535.85	2183.63	49190	221.8	49679
output40	05/03/2016 17:05:10.0000	535.36	2181.63	49840	223.3	50244
output41	05/03/2016 17:08:33.0000	536.23	2185.15	51010	225.9	51326
output42	05/03/2016 17:11:55.0000	536.01	2184.25	50220	224.1	50351
output43	05/03/2016 17:15:18.0000	536.19	2184.99	46920	216.6	47073
output44	05/03/2016 17:18:41.0000	536.91	2187.93	40300	200.7	40219
output45	05/03/2016 17:22:03.0000	537.18	2189.01	30980	176.0	31024
output46	05/03/2016 17:25:26.0000	537.55	2190.55	23440	153.1	23518
output47	05/03/2016 17:28:48.0000	537.75	2191.35	19370	139.2	19492
output48	05/03/2016 17:32:11.0000	538.20	2193.19	17180	131.1	17306
output49	05/03/2016 17:35:33.0000	538.17	2193.08	18220	135.0	18322
output50	05/03/2016 17:38:56.0000	537.89	2191.93	22390	149.6	22644
output51	05/03/2016 17:42:19.0000	536.95	2188.08	30670	175.1	31073
output52	05/03/2016 17:45:41.0000	536.38	2185.78	42380	205.9	43051
output53	05/03/2016 17:49:04.0000	535.91	2183.86	52510	229.2	53444
output54	05/03/2016 17:52:26.0000	535.98	2184.12	59420	243.8	60441
output55	05/03/2016 17:55:49.0000	535.63	2182.70	63440	251.9	64381
output56	05/03/2016 17:59:12.0000	535.50	2182.19	64360	253.7	64839
output57	05/03/2016 18:02:34.0000	535.50	2182.19	66440	257.8	67180
output58	05/03/2016 18:05:57.0000	535.43	2181.92	66020	256.9	66728
output59	05/03/2016 18:09:19.0000	535.24	2181.11	65580	256.1	66207

Soubor	Začátek měření [datum,čas]	Centrální kanál [-]	Energie [keV]	S _p [imp]	Chyba S _p [imp]	S _{pk} [imp]
output60	05/03/2016 18:12:41.0000	536.10	2184.63	60440	245.8	61143
output61	05/03/2016 18:16:04.0000	536.71	2187.13	51520	227.0	52325
output62	05/03/2016 18:19:26.0000	536.71	2187.12	40100	200.2	40630
output63	05/03/2016 18:22:49.0000	537.47	2190.21	29150	170.7	29533
output64	05/03/2016 18:26:11.0000	537.39	2189.90	23140	152.1	23389
output65	05/03/2016 18:29:34.0000	537.51	2190.37	25160	158.6	25436
output66	05/03/2016 18:32:56.0000	537.55	2190.55	33680	183.5	34003
output67	05/03/2016 18:36:19.0000	536.27	2185.34	50200	224.1	50617
output68	05/03/2016 18:39:41.0000	536.07	2184.49	62410	249.8	63051
output69	05/03/2016 18:43:04.0000	535.74	2183.15	70680	265.9	71270
output70	05/03/2016 18:46:27.0000	535.38	2181.70	71750	267.9	72314
output71	05/03/2016 18:49:49.0000	535.13	2180.66	75420	274.6	76165
output72	05/03/2016 18:53:12.0000	535.33	2181.49	75540	274.8	76241
output73	05/03/2016 18:56:34.0000	534.76	2179.17	73630	271.3	74233
output74	05/03/2016 18:59:57.0000	535.25	2181.15	75360	274.5	76151
output75	05/03/2016 19:03:19.0000	535.55	2182.38	76350	276.3	77084
output76	05/03/2016 19:06:42.0000	535.35	2181.59	72000	268.3	72665
output77	05/03/2016 19:10:05.0000	535.61	2182.62	64990	254.9	65478
output78	05/03/2016 19:13:28.0000	535.74	2183.16	49860	223.3	50361
output79	05/03/2016 19:16:50.0000	536.80	2187.47	35490	188.4	35790
output80	05/03/2016 19:20:13.0000	536.91	2187.91	27170	164.8	27378
output81	05/03/2016 19:23:36.0000	537.13	2188.82	29050	170.4	29225
output82	05/03/2016 19:26:58.0000	536.35	2185.63	40710	201.8	41028
output83	05/03/2016 19:30:21.0000	535.48	2182.10	58400	241.7	58878
output84	05/03/2016 19:33:44.0000	535.49	2182.16	72890	270.0	73429
output85	05/03/2016 19:37:06.0000	535.05	2180.35	75670	275.1	76172
output86	05/03/2016 19:40:29.0000	534.84	2179.50	81340	285.2	81846
output87	05/03/2016 19:43:52.0000	535.23	2181.10	79690	282.3	80100
output88	05/03/2016 19:47:14.0000	535.04	2180.33	80780	284.2	81496
output89	05/03/2016 19:50:37.0000	534.77	2179.19	82530	287.3	83080
output90	05/03/2016 19:53:59.0000	534.71	2178.95	80150	283.1	80619
output91	05/03/2016 19:57:22.0000	535.20	2180.98	79260	281.5	79792
output92	05/03/2016 20:00:45.0000	535.04	2180.30	77700	278.7	78158
output93	05/03/2016 20:04:07.0000	534.77	2179.21	73130	270.4	73549
output94	05/03/2016 20:07:30.0000	535.59	2182.53	65370	255.7	65640
output95	05/03/2016 20:10:52.0000	536.30	2185.45	47180	217.2	47476
output96	05/03/2016 20:14:15.0000	536.38	2185.77	33600	183.3	33815
output97	05/03/2016 20:17:37.0000	536.34	2185.59	34480	185.7	34777
output98	05/03/2016 20:21:00.0000	536.21	2185.08	49310	222.0	50050
output99	05/03/2016 20:24:22.0000	534.78	2179.25	67820	260.4	68674
output100	05/03/2016 20:27:44.0000	535.21	2181.00	75460	274.7	76314
output101	05/03/2016 20:31:07.0000	534.62	2178.59	81920	286.2	82679
output102	05/03/2016 20:34:29.0000	534.35	2177.50	84040	289.9	84771
output103	05/03/2016 20:37:52.0000	534.41	2177.74	83900	289.7	84671

Soubor	Začátek měření [datum,čas]	Centrální kanál [-]	Energie [keV]	S _p [imp]	Chyba S _p [imp]	S _{pk} [imp]
output104	05/03/2016 20:41:14.0000	534.65	2178.71	85520	292.4	86374
output105	05/03/2016 20:44:37.0000	534.14	2176.63	83820	289.5	84376
output106	05/03/2016 20:47:59.0000	534.38	2177.61	84990	291.5	85795
output107	05/03/2016 20:51:22.0000	534.08	2176.39	83590	289.1	84374
output108	05/03/2016 20:54:44.0000	534.16	2176.71	82710	287.6	83509
output109	05/03/2016 20:58:06.0000	534.37	2177.58	79270	281.5	80109
output110	05/03/2016 21:01:29.0000	534.23	2177.01	65820	256.6	66669
output111	05/03/2016 21:04:52.0000	535.59	2182.55	45650	213.7	46019
output112	05/03/2016 21:08:14.0000	535.85	2183.62	32500	180.3	32748
output113	05/03/2016 21:11:36.0000	535.51	2182.24	32880	181.3	33135
output114	05/03/2016 21:14:59.0000	535.58	2182.52	46720	216.2	47140
output115	05/03/2016 21:18:21.0000	534.25	2177.08	65880	256.7	66391
output116	05/03/2016 21:21:44.0000	534.45	2177.91	78430	280.1	79122
output117	05/03/2016 21:25:06.0000	534.28	2177.19	80180	283.2	80284
output118	05/03/2016 21:28:29.0000	534.01	2176.13	83730	289.4	83809
output119	05/03/2016 21:31:51.0000	533.77	2175.15	84510	290.7	84302
output120	05/03/2016 21:35:14.0000	534.07	2176.34	84580	290.8	84297
output121	05/03/2016 21:38:36.0000	533.81	2175.30	83440	288.9	83374
output122	05/03/2016 21:41:59.0000	533.68	2174.75	83840	289.6	83738
output123	05/03/2016 21:45:21.0000	534.01	2176.11	83680	289.3	83518
output124	05/03/2016 21:48:44.0000	534.12	2176.56	79650	282.2	79286
output125	05/03/2016 21:52:06.0000	534.23	2176.99	78770	280.7	78349
output126	05/03/2016 21:55:29.0000	534.94	2179.89	67560	259.9	67189
output127	05/03/2016 21:58:52.0000	535.53	2182.31	49010	221.4	48694
output128	05/03/2016 22:02:14.0000	536.02	2184.30	35570	188.6	35300
output129	05/03/2016 22:05:37.0000	535.57	2182.47	33480	183.0	33098
output130	05/03/2016 22:08:59.0000	535.21	2181.00	47570	218.1	47246
output131	05/03/2016 22:12:22.0000	534.42	2177.80	64960	254.9	64506
output132	05/03/2016 22:15:44.0000	534.25	2177.09	74680	273.3	74164
output133	05/03/2016 22:19:07.0000	533.75	2175.03	78680	280.5	78210
output134	05/03/2016 22:22:29.0000	533.38	2173.53	80140	283.1	79535
output135	05/03/2016 22:25:52.0000	533.90	2175.67	81610	285.7	81035
output136	05/03/2016 22:29:14.0000	533.37	2173.52	83030	288.2	82654
output137	05/03/2016 22:32:37.0000	533.34	2173.38	81210	285.0	80675
output138	05/03/2016 22:35:59.0000	533.54	2174.18	80510	283.7	80167
output139	05/03/2016 22:39:22.0000	533.46	2173.86	80600	283.9	80046
output140	05/03/2016 22:42:45.0000	533.78	2175.19	79270	281.6	78419
output141	05/03/2016 22:46:07.0000	533.53	2174.14	72520	269.3	71912
output142	05/03/2016 22:49:30.0000	533.94	2175.81	61380	247.8	61103
output143	05/03/2016 22:52:52.0000	534.17	2176.74	43750	209.2	43518
output144	05/03/2016 22:56:15.0000	535.40	2181.77	31050	176.2	30941
output145	05/03/2016 22:59:37.0000	535.54	2182.33	29960	173.1	29779
output146	05/03/2016 23:03:00.0000	534.97	2180.01	39580	198.9	39307
output147	05/03/2016 23:06:23.0000	533.74	2174.99	56320	237.3	56003

Soubor	Začátek měření [datum,čas]	Centrální kanál [-]	Energie [keV]	S _p [imp]	Chyba S _p [imp]	S _{pk} [imp]
output148	05/03/2016 23:09:45.0000	533.53	2174.16	69010	262.7	68720
output149	05/03/2016 23:13:08.0000	533.17	2172.68	78000	279.3	77591
output150	05/03/2016 23:16:30.0000	533.01	2172.03	76980	277.4	76452
output151	05/03/2016 23:19:53.0000	533.00	2171.99	80930	284.5	80636
output152	05/03/2016 23:23:16.0000	532.82	2171.25	83140	288.3	82770
output153	05/03/2016 23:26:38.0000	532.99	2171.95	82900	287.9	82498
output154	05/03/2016 23:30:01.0000	532.86	2171.44	79410	281.8	79308
output155	05/03/2016 23:33:23.0000	533.05	2172.19	78090	279.5	77897
output156	05/03/2016 23:36:46.0000	532.48	2169.86	76670	276.9	76675
output157	05/03/2016 23:40:08.0000	533.37	2173.52	71820	268.0	71593
output158	05/03/2016 23:43:31.0000	533.78	2175.16	59280	243.5	59098
output159	05/03/2016 23:46:54.0000	534.47	2178.00	41900	204.7	41698
output160	05/03/2016 23:50:17.0000	535.20	2180.97	30880	175.7	30754
output161	05/03/2016 23:53:39.0000	534.74	2179.09	28490	168.8	28393
output162	05/03/2016 23:57:02.0000	534.84	2179.51	36320	190.6	36225
output163	05/04/2016 00:00:24.0000	534.22	2176.98	50410	224.5	50137
output164	05/04/2016 00:03:47.0000	533.17	2172.68	64290	253.6	62674
output165	05/04/2016 00:07:09.0000	532.84	2171.34	73360	270.8	71516
output166	05/04/2016 00:10:32.0000	532.97	2171.87	78670	280.5	78244
output167	05/04/2016 00:13:54.0000	532.82	2171.26	81870	286.1	81427
output168	05/04/2016 00:17:17.0000	532.71	2170.82	79140	281.3	77151
output169	05/04/2016 00:20:40.0000	533.32	2173.30	80400	283.6	79965
output170	05/04/2016 00:24:02.0000	532.89	2171.56	78000	279.3	77578
output171	05/04/2016 00:27:25.0000	532.23	2168.84	77900	279.1	75942
output172	05/04/2016 00:30:47.0000	532.81	2171.21	71000	266.5	69216
output173	05/04/2016 00:34:10.0000	533.30	2173.20	62980	251.0	62639
output174	05/04/2016 00:37:32.0000	533.62	2174.51	46390	215.4	46139
output175	05/04/2016 00:40:55.0000	534.28	2177.22	33800	183.9	32951
output176	05/04/2016 00:44:17.0000	535.08	2180.47	27420	165.6	26731
output177	05/04/2016 00:47:40.0000	534.68	2178.85	25430	159.5	25292
output178	05/04/2016 00:51:02.0000	534.23	2177.01	30160	173.7	29997
output179	05/04/2016 00:54:25.0000	533.90	2175.66	38510	196.2	37542
output180	05/04/2016 00:57:48.0000	533.54	2174.18	50750	225.3	49475
output181	05/04/2016 01:01:10.0000	533.04	2172.15	63720	252.4	63375
output182	05/04/2016 01:04:33.0000	532.92	2171.66	69380	263.4	69004
output183	05/04/2016 01:07:56.0000	532.23	2168.86	75610	275.0	73710
output184	05/04/2016 01:11:18.0000	532.95	2171.80	75500	274.8	73603
output185	05/04/2016 01:14:41.0000	532.88	2171.49	77330	278.1	76911
output186	05/04/2016 01:18:04.0000	532.21	2168.77	75560	274.9	75151
output187	05/04/2016 01:21:26.0000	533.33	2173.35	71590	267.6	69791
output188	05/04/2016 01:24:48.0000	532.85	2171.40	66520	257.9	64848
output189	05/04/2016 01:28:11.0000	533.52	2174.11	51800	227.6	51520
output190	05/04/2016 01:31:34.0000	533.84	2175.42	40630	201.6	40410
output191	05/04/2016 01:34:56.0000	534.43	2177.83	31250	176.8	30465

Soubor	Začátek měření [datum,čas]	Centrální kanál [-]	Energie [keV]	S _p [imp]	Chyba S _p [imp]	S _{pk} [imp]
output192	05/04/2016 01:38:19.0000	534.74	2179.07	25910	161.0	25259
output193	05/04/2016 01:41:41.0000	534.42	2177.78	23710	154.0	23582
output194	05/04/2016 01:45:04.0000	534.78	2179.26	27820	166.8	27669
output195	05/04/2016 01:48:26.0000	534.54	2178.28	32420	180.1	31605
output196	05/04/2016 01:51:49.0000	533.92	2175.74	40640	201.6	39619
output197	05/04/2016 01:55:11.0000	533.77	2175.13	50380	224.4	50107
output198	05/04/2016 01:58:34.0000	532.95	2171.79	61480	247.9	61147
output199	05/04/2016 02:01:57.0000	533.02	2172.06	64390	253.7	62772
output200	05/04/2016 02:05:19.0000	533.08	2172.30	67130	259.1	65443
output201	05/04/2016 02:08:42.0000	532.73	2170.89	66990	258.8	66627
output202	05/04/2016 02:12:04.0000	533.27	2173.10	64550	254.1	64200
output203	05/04/2016 02:15:27.0000	532.87	2171.45	57390	239.6	55948
output204	05/04/2016 02:18:49.0000	533.23	2172.92	47430	217.8	46238
output205	05/04/2016 02:22:12.0000	533.90	2175.65	37690	194.1	37486
output206	05/04/2016 02:25:34.0000	534.14	2176.64	31620	177.8	31449
output207	05/04/2016 02:28:57.0000	534.42	2177.77	26850	163.9	26175
output208	05/04/2016 02:32:20.0000	534.17	2176.74	22930	151.4	22806

B.3 Tabulka s výslednými hodnotami z experimentu 3D pole 16x16 cm (x = 5 cm)

Tab. 3: Hodnoty z 3. experimentu (x = 5 cm)

Soubor	Začátek měření [datum, čas]	Centrální kanál [-]	Energie [keV]	S _p [imp]	Chyba S _p [imp]	S _{pk} [imp]
output1	05/05/2016 14:24:35.0000	522.46	2129.05	1447	38.0	1270
output2	05/05/2016 14:26:23.0000	523.12	2131.73	1500	38.7	1327
output3	05/05/2016 14:28:10.0000	522.53	2129.35	1523	39.0	1344
output4	05/05/2016 14:29:58.0000	521.89	2126.73	1643	40.5	1445
output5	05/05/2016 14:31:45.0000	522.48	2129.11	1690	41.1	1479
output6	05/05/2016 14:33:32.0000	523.42	2132.96	1704	41.3	1499
output7	05/05/2016 14:35:19.0000	522.33	2128.50	1787	42.3	1569
output8	05/05/2016 14:37:07.0000	523.06	2131.49	1773	42.1	1557
output9	05/05/2016 14:38:55.0000	521.35	2124.54	1858	43.1	1631
output10	05/05/2016 14:40:42.0000	523.43	2133.01	1896	43.5	1667
output11	05/05/2016 14:42:29.0000	523.13	2131.76	1973	44.4	1740
output12	05/05/2016 14:44:17.0000	523.25	2132.27	1820	42.7	1598
output13	05/05/2016 14:46:04.0000	523.76	2134.35	1835	42.8	1615
output14	05/05/2016 14:47:52.0000	523.75	2134.30	1874	43.3	1648
output15	05/05/2016 14:49:40.0000	523.67	2133.99	1793	42.3	1574
output16	05/05/2016 14:51:27.0000	524.37	2136.81	1869	43.2	1640
output17	05/05/2016 14:53:15.0000	523.07	2131.54	1896	43.5	1658
output18	05/05/2016 14:55:02.0000	523.28	2132.38	1925	43.9	1687
output19	05/05/2016 14:56:50.0000	524.31	2136.58	2036	45.1	1787

Soubor	Začátek měření [datum, čas]	Centrální kanál [-]	Energie [keV]	S _p [imp]	Chyba S _p [imp]	S _{pk} [imp]
output20	05/05/2016 14:58:37.0000	522.61	2129.66	2105	45.9	1847
output21	05/05/2016 15:00:25.0000	523.64	2133.86	2158	46.5	1895
output22	05/05/2016 15:02:12.0000	522.91	2130.86	2379	48.8	2092
output23	05/05/2016 15:04:00.0000	523.02	2131.33	2353	48.5	2073
output24	05/05/2016 15:05:47.0000	523.15	2131.86	2457	49.6	2163
output25	05/05/2016 15:07:35.0000	522.95	2131.02	2431	49.3	2138
output26	05/05/2016 15:09:23.0000	522.98	2131.17	2491	49.9	2192
output27	05/05/2016 15:11:10.0000	522.71	2130.07	2431	49.3	2137
output28	05/05/2016 15:12:58.0000	523.64	2133.86	2418	49.2	2124
output29	05/05/2016 15:14:45.0000	524.15	2135.94	2340	48.4	2057
output30	05/05/2016 15:16:33.0000	523.65	2133.91	2394	48.9	2103
output31	05/05/2016 15:18:20.0000	524.46	2137.20	2385	48.8	2088
output32	05/05/2016 15:20:08.0000	524.01	2135.38	2300	48.0	2013
output33	05/05/2016 15:21:55.0000	524.38	2136.86	2208	47.0	1945
output34	05/05/2016 15:23:43.0000	523.95	2135.10	2379	48.8	2096
output35	05/05/2016 15:25:30.0000	524.72	2138.24	2539	50.4	2233
output36	05/05/2016 15:27:18.0000	524.48	2137.27	2702	52.0	2379
output37	05/05/2016 15:29:05.0000	524.14	2135.90	2869	53.6	2529
output38	05/05/2016 15:30:53.0000	524.23	2136.25	3109	55.8	2731
output39	05/05/2016 15:32:40.0000	524.19	2136.10	3323	57.7	2926
output40	05/05/2016 15:34:28.0000	523.39	2132.83	3464	58.9	3050
output41	05/05/2016 15:36:15.0000	524.34	2136.69	3567	59.7	3134
output42	05/05/2016 15:38:03.0000	523.76	2134.34	3596	60.0	3158
output43	05/05/2016 15:39:50.0000	523.81	2134.56	3505	59.2	3082
output44	05/05/2016 15:41:37.0000	525.08	2139.73	3211	56.7	2820
output45	05/05/2016 15:43:25.0000	524.76	2138.44	3055	55.3	2682
output46	05/05/2016 15:45:12.0000	525.20	2140.21	3151	56.1	2762
output47	05/05/2016 15:47:00.0000	525.37	2140.91	2939	54.2	2582
output48	05/05/2016 15:48:47.0000	525.61	2141.86	2869	53.6	2521
output49	05/05/2016 15:50:35.0000	525.00	2139.40	2840	53.3	2492
output50	05/05/2016 15:52:23.0000	526.26	2144.54	3040	55.1	2671
output51	05/05/2016 15:54:10.0000	524.00	2135.32	3532	59.4	3101
output52	05/05/2016 15:55:57.0000	524.47	2137.24	3709	60.9	3255
output53	05/05/2016 15:57:45.0000	523.65	2133.89	4204	64.8	3684
output54	05/05/2016 15:59:33.0000	523.03	2131.35	4886	69.9	4285
output55	05/05/2016 16:01:20.0000	525.05	2139.59	5353	73.2	4692
output56	05/05/2016 16:03:08.0000	524.02	2135.41	5742	75.8	5021
output57	05/05/2016 16:04:55.0000	523.81	2134.54	6187	78.7	5418
output58	05/05/2016 16:06:42.0000	524.70	2138.16	5911	76.9	5169
output59	05/05/2016 16:08:30.0000	524.84	2138.73	5329	73.0	4674
output60	05/05/2016 16:10:18.0000	524.47	2137.23	5061	71.1	4445
output61	05/05/2016 16:12:05.0000	525.47	2141.29	4584	67.7	4015
output62	05/05/2016 16:13:53.0000	525.51	2141.48	4074	63.8	3575
output63	05/05/2016 16:15:40.0000	525.39	2140.97	3710	60.9	3249

Soubor	Začátek měření [datum, čas]	Centrální kanál [-]	Energie [keV]	S _p [imp]	Chyba S _p [imp]	S _{pk} [imp]
output64	05/05/2016 16:17:28.0000	525.82	2142.75	3459	58.8	3034
output65	05/05/2016 16:19:15.0000	525.80	2142.66	3469	58.9	3047
output66	05/05/2016 16:21:03.0000	525.67	2142.11	3867	62.2	3380
output67	05/05/2016 16:22:50.0000	525.57	2141.70	4641	68.1	4055
output68	05/05/2016 16:24:37.0000	524.40	2136.93	5368	73.3	4693
output69	05/05/2016 16:26:25.0000	524.95	2139.19	6470	80.4	5658
output70	05/05/2016 16:28:12.0000	523.76	2134.34	7162	84.6	6248
output71	05/05/2016 16:30:00.0000	523.65	2133.89	7829	88.5	6834
output72	05/05/2016 16:31:48.0000	524.35	2136.76	8397	91.6	7333
output73	05/05/2016 16:33:35.0000	523.64	2133.84	8667	93.1	7575
output74	05/05/2016 16:35:22.0000	524.46	2137.19	8321	91.2	7241
output75	05/05/2016 16:37:10.0000	523.61	2133.72	7890	88.8	6866
output76	05/05/2016 16:38:57.0000	523.58	2133.61	7176	84.7	6268
output77	05/05/2016 16:40:45.0000	524.97	2139.29	6251	79.1	5456
output78	05/05/2016 16:42:32.0000	525.71	2142.27	5349	73.1	4680
output79	05/05/2016 16:44:19.0000	526.66	2146.15	4781	69.1	4185
output80	05/05/2016 16:46:07.0000	526.28	2144.59	4308	65.6	3767
output81	05/05/2016 16:47:54.0000	525.87	2142.93	4360	66.0	3805
output82	05/05/2016 16:49:42.0000	525.45	2141.21	4882	69.9	4264
output83	05/05/2016 16:51:29.0000	525.56	2141.69	5821	76.3	5098
output84	05/05/2016 16:53:17.0000	524.94	2139.15	6962	83.4	6061
output85	05/05/2016 16:55:05.0000	523.09	2131.62	8326	91.3	7265
output86	05/05/2016 16:56:52.0000	524.63	2137.87	8996	94.9	7858
output87	05/05/2016 16:58:40.0000	524.39	2136.92	9811	99.1	8582
output88	05/05/2016 17:00:28.0000	524.31	2136.57	9929	99.6	8637
output89	05/05/2016 17:02:15.0000	523.66	2133.92	9867	99.3	8579
output90	05/05/2016 17:04:03.0000	524.12	2135.81	10050	100.3	8757
output91	05/05/2016 17:05:50.0000	524.31	2136.58	10180	100.9	8841
output92	05/05/2016 17:07:38.0000	524.50	2137.36	9160	95.7	7964
output93	05/05/2016 17:09:26.0000	525.01	2139.43	8479	92.1	7362
output94	05/05/2016 17:11:13.0000	525.17	2140.11	7104	84.3	6165
output95	05/05/2016 17:13:00.0000	526.09	2143.83	6000	77.5	5199
output96	05/05/2016 17:14:48.0000	526.28	2144.62	5101	71.4	4414
output97	05/05/2016 17:16:35.0000	526.95	2147.34	5049	71.1	4373
output98	05/05/2016 17:18:22.0000	526.38	2145.02	5998	77.5	5192
output99	05/05/2016 17:20:10.0000	525.57	2141.70	7576	87.0	6556
output100	05/05/2016 17:21:57.0000	524.09	2135.68	8600	92.7	7438
output101	05/05/2016 17:23:44.0000	524.68	2138.08	9668	98.3	8362
output102	05/05/2016 17:25:32.0000	523.98	2135.23	10340	101.7	8938
output103	05/05/2016 17:27:19.0000	525.32	2140.70	10810	104.0	9371
output104	05/05/2016 17:29:07.0000	524.43	2137.05	11210	105.9	9694
output105	05/05/2016 17:30:54.0000	524.27	2136.40	11570	107.6	9983
output106	05/05/2016 17:32:42.0000	524.59	2137.74	11350	106.5	9795
output107	05/05/2016 17:34:29.0000	524.62	2137.84	11190	105.8	9663

Soubor	Začátek měření [datum, čas]	Centrální kanál [-]	Energie [keV]	S _p [imp]	Chyba S _p [imp]	S _{pk} [imp]
output108	05/05/2016 17:36:16.0000	524.16	2135.97	10480	102.4	9042
output109	05/05/2016 17:38:04.0000	525.53	2141.55	9687	98.4	8371
output110	05/05/2016 17:39:51.0000	524.75	2138.36	8263	90.9	7159
output111	05/05/2016 17:41:39.0000	526.29	2144.64	7020	83.8	6076
output112	05/05/2016 17:43:26.0000	526.05	2143.69	5853	76.5	5057
output113	05/05/2016 17:45:14.0000	526.11	2143.93	5746	75.8	4959
output114	05/05/2016 17:47:01.0000	525.54	2141.58	6935	83.3	5985
output115	05/05/2016 17:48:48.0000	525.40	2141.01	8260	90.9	7142
output116	05/05/2016 17:50:36.0000	524.80	2138.57	9691	98.4	8386
output117	05/05/2016 17:52:23.0000	525.27	2140.48	10410	102.0	8996
output118	05/05/2016 17:54:11.0000	524.78	2138.50	11370	106.6	9822
output119	05/05/2016 17:55:58.0000	524.69	2138.12	11410	106.8	9849
output120	05/05/2016 17:57:46.0000	524.50	2137.36	12330	111.0	10596
output121	05/05/2016 17:59:33.0000	524.27	2136.43	12220	110.6	10550
output122	05/05/2016 18:01:21.0000	525.08	2139.71	11500	107.3	9969
output123	05/05/2016 18:03:08.0000	524.88	2138.89	12190	110.4	10577
output124	05/05/2016 18:04:56.0000	524.24	2136.32	11800	108.6	10248
output125	05/05/2016 18:06:43.0000	525.08	2139.70	10960	104.7	9503
output126	05/05/2016 18:08:30.0000	525.72	2142.32	9746	98.7	8455
output127	05/05/2016 18:10:18.0000	525.98	2143.37	8247	90.8	7124
output128	05/05/2016 18:12:05.0000	525.95	2143.28	6765	82.3	5862
output129	05/05/2016 18:13:53.0000	526.12	2143.98	6364	79.8	5502
output130	05/05/2016 18:15:40.0000	525.88	2142.96	7952	89.2	6872
output131	05/05/2016 18:17:27.0000	525.65	2142.06	9360	96.8	8098
output132	05/05/2016 18:19:15.0000	525.26	2140.47	10500	102.5	9091
output133	05/05/2016 18:21:02.0000	525.53	2141.56	11470	107.1	9916
output134	05/05/2016 18:22:50.0000	524.96	2139.24	11360	106.6	9808
output135	05/05/2016 18:24:37.0000	525.08	2139.74	12290	110.8	10605
output136	05/05/2016 18:26:25.0000	524.88	2138.90	12100	110.0	10466
output137	05/05/2016 18:28:12.0000	525.53	2141.55	12300	110.9	10700
output138	05/05/2016 18:30:00.0000	525.19	2140.18	12340	111.1	10701
output139	05/05/2016 18:31:47.0000	525.37	2140.92	12230	110.6	10650
output140	05/05/2016 18:33:35.0000	524.94	2139.14	12150	110.2	10516
output141	05/05/2016 18:35:22.0000	525.83	2142.78	11400	106.8	9884
output142	05/05/2016 18:37:10.0000	525.29	2140.57	10080	100.4	8733
output143	05/05/2016 18:38:57.0000	525.46	2141.29	8829	94.0	7644
output144	05/05/2016 18:40:45.0000	526.11	2143.90	7457	86.4	6445
output145	05/05/2016 18:42:32.0000	526.16	2144.12	6855	82.8	5920
output146	05/05/2016 18:44:20.0000	526.33	2144.83	8032	89.6	6917
output147	05/05/2016 18:46:07.0000	525.42	2141.13	9584	97.9	8263
output148	05/05/2016 18:47:55.0000	525.12	2139.86	10570	102.8	9122
output149	05/05/2016 18:49:43.0000	524.84	2138.72	11670	108.0	10045
output150	05/05/2016 18:51:31.0000	525.44	2141.18	12010	109.6	10339
output151	05/05/2016 18:53:18.0000	525.41	2141.09	12420	111.5	10659

Soubor	Začátek měření [datum, čas]	Centrální kanál [-]	Energie [keV]	S _p [imp]	Chyba S _p [imp]	S _{pk} [imp]
output152	05/05/2016 18:55:06.0000	524.89	2138.94	13210	114.9	11322
output153	05/05/2016 18:56:53.0000	524.65	2137.97	12820	113.2	11001
output154	05/05/2016 18:58:41.0000	525.12	2139.89	13130	114.6	11298
output155	05/05/2016 19:00:28.0000	525.54	2141.61	13210	115.0	11384
output156	05/05/2016 19:02:16.0000	525.31	2140.65	12480	111.7	10768
output157	05/05/2016 19:04:04.0000	525.51	2141.46	12270	110.8	10563
output158	05/05/2016 19:05:51.0000	525.46	2141.26	11080	105.3	9537
output159	05/05/2016 19:07:39.0000	526.17	2144.18	9556	97.8	8222
output160	05/05/2016 19:09:26.0000	526.63	2146.02	8188	90.5	7032
output161	05/05/2016 19:11:14.0000	527.03	2147.67	7388	86.0	6347
output162	05/05/2016 19:13:02.0000	526.30	2144.68	8560	92.5	7359
output163	05/05/2016 19:14:49.0000	525.47	2141.30	10050	100.2	8646
output164	05/05/2016 19:16:37.0000	525.44	2141.18	10940	104.6	9409
output165	05/05/2016 19:18:24.0000	524.96	2139.23	12200	110.4	10498
output166	05/05/2016 19:20:12.0000	524.43	2137.08	12110	110.0	10424
output167	05/05/2016 19:21:59.0000	525.23	2140.33	12820	113.2	11022
output168	05/05/2016 19:23:47.0000	525.97	2143.34	12800	113.1	11019
output169	05/05/2016 19:25:34.0000	525.00	2139.38	13190	114.8	11323
output170	05/05/2016 19:27:22.0000	525.36	2140.84	12900	113.6	11067
output171	05/05/2016 19:29:09.0000	524.18	2136.04	13120	114.5	11265
output172	05/05/2016 19:30:57.0000	524.92	2139.07	12530	111.9	10757
output173	05/05/2016 19:32:44.0000	524.55	2137.55	12270	110.8	10540
output174	05/05/2016 19:34:32.0000	525.23	2140.35	11040	105.1	9509
output175	05/05/2016 19:36:19.0000	526.13	2143.98	9268	96.3	7969
output176	05/05/2016 19:38:06.0000	526.37	2144.96	8089	89.9	6964
output177	05/05/2016 19:39:54.0000	526.52	2145.58	7400	86.0	6372
output178	05/05/2016 19:41:42.0000	526.32	2144.77	8512	92.3	7320
output179	05/05/2016 19:43:29.0000	526.51	2145.54	9801	99.0	8433
output180	05/05/2016 19:45:17.0000	525.72	2142.31	11060	105.2	9505
output181	05/05/2016 19:47:04.0000	525.40	2141.02	11700	108.2	10058
output182	05/05/2016 19:48:52.0000	524.98	2139.29	12090	110.0	10396
output183	05/05/2016 19:50:39.0000	525.23	2140.34	12490	111.7	10764
output184	05/05/2016 19:52:27.0000	525.49	2141.41	13170	114.8	11334
output185	05/05/2016 19:54:14.0000	525.32	2140.68	12900	113.6	11111
output186	05/05/2016 19:56:02.0000	525.32	2140.69	13060	114.3	11236
output187	05/05/2016 19:57:49.0000	525.44	2141.21	12790	113.1	11015
output188	05/05/2016 19:59:37.0000	524.94	2139.16	12750	112.9	11007
output189	05/05/2016 20:01:25.0000	525.60	2141.85	12370	111.2	10659
output190	05/05/2016 20:03:12.0000	526.16	2144.12	11050	105.1	9523
output191	05/05/2016 20:04:59.0000	525.52	2141.51	9514	97.5	8206
output192	05/05/2016 20:06:47.0000	526.67	2146.20	8101	90.0	6980
output193	05/05/2016 20:08:34.0000	526.63	2146.05	7607	87.2	6569
output194	05/05/2016 20:10:21.0000	526.29	2144.63	8385	91.6	7227
output195	05/05/2016 20:12:09.0000	526.60	2145.93	9650	98.2	8319

Soubor	Začátek měření [datum, čas]	Centrální kanál [-]	Energie [keV]	S _p [imp]	Chyba S _p [imp]	S _{pk} [imp]
output196	05/05/2016 20:13:56.0000	526.23	2144.39	10700	103.4	9212
output197	05/05/2016 20:15:44.0000	525.43	2141.16	11870	109.0	10229
output198	05/05/2016 20:17:31.0000	524.92	2139.05	12130	110.1	10446
output199	05/05/2016 20:19:19.0000	526.03	2143.60	12450	111.6	10724
output200	05/05/2016 20:21:06.0000	525.52	2141.51	12930	113.7	11123
output201	05/05/2016 20:22:54.0000	524.72	2138.26	13130	114.6	11293
output202	05/05/2016 20:24:41.0000	525.78	2142.56	12640	112.4	10837
output203	05/05/2016 20:26:28.0000	525.16	2140.05	12790	113.1	11014
output204	05/05/2016 20:28:16.0000	525.76	2142.50	12130	110.1	10440
output205	05/05/2016 20:30:04.0000	525.43	2141.13	11620	107.8	9990
output206	05/05/2016 20:31:51.0000	525.85	2142.85	10190	100.9	8764
output207	05/05/2016 20:33:39.0000	526.07	2143.74	9169	95.8	7874
output208	05/05/2016 20:35:27.0000	527.04	2147.69	7984	89.4	6871
output209	05/05/2016 20:37:14.0000	527.07	2147.81	7273	85.3	6268
output210	05/05/2016 20:39:02.0000	526.39	2145.07	8176	90.4	7011
output211	05/05/2016 20:40:49.0000	526.49	2145.45	9090	95.3	7825
output212	05/05/2016 20:42:37.0000	525.89	2143.02	10070	100.4	8683
output213	05/05/2016 20:44:24.0000	525.98	2143.39	10780	103.8	9280
output214	05/05/2016 20:46:11.0000	526.00	2143.46	12060	109.8	10359
output215	05/05/2016 20:47:59.0000	525.55	2141.64	12410	111.4	10696
output216	05/05/2016 20:49:46.0000	525.79	2142.61	12270	110.8	10542
output217	05/05/2016 20:51:34.0000	525.99	2143.42	12680	112.6	10951
output218	05/05/2016 20:53:22.0000	525.55	2141.64	12440	111.5	10692
output219	05/05/2016 20:55:09.0000	526.20	2144.29	12270	110.7	10544
output220	05/05/2016 20:56:57.0000	525.98	2143.37	11800	108.6	10135
output221	05/05/2016 20:58:44.0000	525.84	2142.80	11090	105.3	9556
output222	05/05/2016 21:00:32.0000	526.24	2144.45	10220	101.1	8780
output223	05/05/2016 21:02:19.0000	526.71	2146.36	8753	93.6	7537
output224	05/05/2016 21:04:06.0000	526.57	2145.78	8054	89.7	6956
output225	05/05/2016 21:05:54.0000	526.86	2146.97	7094	84.2	6116
output226	05/05/2016 21:07:41.0000	527.04	2147.73	7976	89.3	6873
output227	05/05/2016 21:09:29.0000	526.99	2147.49	8800	93.8	7581
output228	05/05/2016 21:11:16.0000	526.12	2143.96	9498	97.5	8197
output229	05/05/2016 21:13:04.0000	526.20	2144.27	10510	102.5	9050
output230	05/05/2016 21:14:51.0000	526.11	2143.93	11350	106.5	9760
output231	05/05/2016 21:16:39.0000	526.25	2144.47	11790	108.6	10174
output232	05/05/2016 21:18:26.0000	525.71	2142.29	12060	109.8	10359
output233	05/05/2016 21:20:14.0000	526.36	2144.92	12060	109.8	10388
output234	05/05/2016 21:22:01.0000	526.67	2146.18	12020	109.6	10340
output235	05/05/2016 21:23:49.0000	525.55	2141.63	11850	108.9	10208
output236	05/05/2016 21:25:36.0000	525.85	2142.87	11120	105.4	9540
output237	05/05/2016 21:27:24.0000	526.33	2144.80	10010	100.0	8598
output238	05/05/2016 21:29:11.0000	526.73	2146.43	9156	95.7	7843
output239	05/05/2016 21:30:59.0000	526.33	2144.83	8395	91.6	7205

Soubor	Začátek měření [datum, čas]	Centrální kanál [-]	Energie [keV]	S _p [imp]	Chyba S _p [imp]	S _{pk} [imp]
output240	05/05/2016 21:32:46.0000	527.26	2148.59	7517	86.7	6455
output241	05/05/2016 21:34:34.0000	526.95	2147.34	6683	81.8	5746
output242	05/05/2016 21:36:21.0000	527.01	2147.59	7280	85.3	6284
output243	05/05/2016 21:38:09.0000	527.12	2148.04	8087	89.9	6937
output244	05/05/2016 21:39:56.0000	526.74	2146.49	8671	93.1	7445
output245	05/05/2016 21:41:44.0000	526.47	2145.40	9549	97.7	8196
output246	05/05/2016 21:43:31.0000	526.00	2143.47	10040	100.2	8636
output247	05/05/2016 21:45:19.0000	526.40	2145.11	10990	104.8	9456
output248	05/05/2016 21:47:06.0000	526.70	2146.32	10930	104.6	9424
output249	05/05/2016 21:48:54.0000	525.67	2142.14	11140	105.5	9581
output250	05/05/2016 21:50:42.0000	526.61	2145.96	10830	104.1	9324
output251	05/05/2016 21:52:29.0000	526.83	2146.85	10600	102.9	9111
output252	05/05/2016 21:54:16.0000	527.29	2148.72	10220	101.1	8788
output253	05/05/2016 21:56:04.0000	526.65	2146.10	9288	96.4	7979
output254	05/05/2016 21:57:51.0000	527.16	2148.21	8546	92.4	7332
output255	05/05/2016 21:59:38.0000	527.31	2148.81	7994	89.4	6850
output256	05/05/2016 22:01:26.0000	527.20	2148.36	7190	84.8	6167

B.4 Tabulka s výslednými hodnotami z experimentu osový profil svazku (bez PE filtru)

Tab. 4: Hodnoty ze 4. experimentu (bez PE filtru)

Soubor	Začátek měření [datum, čas]	Centrální kanál [-]	Energie [keV]	S _p [imp]	Chyba S _p [imp]	S _{pk} [imp]
output1	05/06/2016 11:10:05.0000	518.43	2112.62	1612	40.2	1529
output2	05/06/2016 11:11:22.0000	517.26	2107.86	1627	40.3	1533
output3	05/06/2016 11:12:40.0000	518.64	2113.49	1476	38.4	1392
output4	05/06/2016 11:13:57.0000	517.99	2110.82	1390	37.3	1315
output5	05/06/2016 11:15:14.0000	517.80	2110.05	1369	37.0	1291
output6	05/06/2016 11:16:31.0000	518.57	2113.20	1313	36.2	1243
output7	05/06/2016 11:17:49.0000	519.81	2118.23	1286	35.9	1215
output8	05/06/2016 11:19:06.0000	519.73	2117.92	1163	34.1	1095
output9	05/06/2016 11:20:24.0000	520.38	2120.57	1155	34.0	1094
output10	05/06/2016 11:21:42.0000	518.17	2111.56	1103	33.2	1041
output11	05/06/2016 11:22:59.0000	520.76	2122.11	1098	33.1	1031
output12	05/06/2016 11:24:16.0000	518.59	2113.28	1055	32.5	996
output13	05/06/2016 11:25:34.0000	517.97	2110.76	1055	32.5	992
output14	05/06/2016 11:26:51.0000	517.21	2107.67	1056	32.5	995
output15	05/06/2016 11:28:08.0000	516.79	2105.93	966	31.1	910
output16	05/06/2016 11:29:26.0000	519.47	2116.85	899	30.0	847
output17	05/06/2016 11:30:43.0000	519.98	2118.92	930	30.5	873

Soubor	Začátek měření [datum, čas]	Centrální kanál [-]	Energie [keV]	S _p [imp]	Chyba S _p [imp]	S _{pk} [imp]
output18	05/06/2016 11:32:01.0000	521.56	2125.38	878	29.6	826
output19	05/06/2016 11:33:18.0000	517.14	2107.35	893	29.9	842
output20	05/06/2016 11:34:35.0000	519.72	2117.87	803	28.3	757
output21	05/06/2016 11:35:53.0000	519.85	2118.41	789	28.1	744
output22	05/06/2016 11:37:11.0000	519.85	2118.42	801	28.3	755
output23	05/06/2016 11:38:28.0000	518.51	2112.93	723	26.9	681
output24	05/06/2016 11:39:46.0000	520.17	2119.73	789	28.1	743
output25	05/06/2016 11:41:03.0000	519.68	2117.71	666	25.8	626
output26	05/06/2016 11:42:21.0000	519.02	2115.01	699	26.4	659
output27	05/06/2016 11:43:38.0000	520.49	2121.00	656	25.6	618
output28	05/06/2016 11:44:56.0000	522.44	2128.98	621	24.9	584
output29	05/06/2016 11:46:13.0000	520.00	2119.03	643	25.4	607
output30	05/06/2016 11:47:30.0000	520.98	2123.02	575	24.0	542
output31	05/06/2016 11:48:48.0000	517.45	2108.61	589	24.3	555
output32	05/06/2016 11:50:05.0000	521.79	2126.32	402	20.1	379
output33	05/06/2016 11:51:22.0000	521.16	2123.76	467	21.6	440
output34	05/06/2016 11:52:40.0000	519.41	2116.63	424	20.6	399
output35	05/06/2016 11:53:57.0000	520.40	2120.64	470	21.7	444
output36	05/06/2016 11:55:15.0000	518.89	2114.48	527	23.0	496
output37	05/06/2016 11:56:32.0000	522.94	2131.01	445	21.1	419
output38	05/06/2016 11:57:50.0000	520.78	2122.18	505	22.5	477
output39	05/06/2016 11:59:08.0000	520.61	2121.52	497	22.3	468
output40	05/06/2016 12:00:25.0000	519.52	2117.06	554	23.5	522
output41	05/06/2016 12:01:42.0000	522.76	2130.27	539	23.2	507
output42	05/06/2016 12:03:00.0000	520.61	2121.50	525	22.9	496
output43	05/06/2016 12:04:17.0000	519.90	2118.60	618	24.9	583
output44	05/06/2016 12:05:35.0000	522.41	2128.83	551	23.5	520
output45	05/06/2016 12:06:53.0000	520.99	2123.05	571	23.9	540
output46	05/06/2016 12:08:10.0000	521.90	2126.74	603	24.6	568
output47	05/06/2016 12:09:27.0000	520.61	2121.49	652	25.5	613
output48	05/06/2016 12:10:45.0000	520.47	2120.94	659	25.7	619
output49	05/06/2016 12:12:02.0000	524.00	2135.30	654	25.6	616
output50	05/06/2016 12:13:20.0000	520.97	2122.99	667	25.8	630
output51	05/06/2016 12:14:37.0000	520.39	2120.61	681	26.1	641
output52	05/06/2016 12:15:55.0000	521.19	2123.88	728	27.0	683
output53	05/06/2016 12:17:13.0000	521.60	2125.53	749	27.4	705
output54	05/06/2016 12:18:30.0000	522.46	2129.04	749	27.4	703
output55	05/06/2016 12:19:47.0000	521.41	2124.78	797	28.2	748
output56	05/06/2016 12:21:05.0000	523.01	2131.29	777	27.9	732
output57	05/06/2016 12:22:23.0000	522.51	2129.25	806	28.4	759
output58	05/06/2016 12:23:40.0000	522.03	2127.29	858	29.3	808
output59	05/06/2016 12:24:57.0000	521.82	2126.42	899	30.0	851
output60	05/06/2016 12:26:15.0000	521.90	2126.75	982	31.3	925
output61	05/06/2016 12:27:32.0000	522.25	2128.17	990	31.5	932

Soubor	Začátek měření [datum, čas]	Centrální kanál [-]	Energie [keV]	S _p [imp]	Chyba S _p [imp]	S _{pk} [imp]
output62	05/06/2016 12:28:50.0000	522.37	2128.67	996	31.6	937
output63	05/06/2016 12:30:07.0000	520.67	2121.77	966	31.1	909
output64	05/06/2016 12:31:25.0000	521.64	2125.70	967	31.1	913
output65	05/06/2016 12:32:42.0000	520.57	2121.33	985	31.4	927
output66	05/06/2016 12:34:00.0000	522.61	2129.66	938	30.6	885
output67	05/06/2016 12:35:17.0000	521.92	2126.82	861	29.3	811
output68	05/06/2016 12:36:35.0000	520.90	2122.67	889	29.8	836
output69	05/06/2016 12:37:52.0000	522.37	2128.66	841	29.0	793
output70	05/06/2016 12:39:10.0000	521.40	2124.73	821	28.7	776
output71	05/06/2016 12:40:27.0000	521.76	2126.18	801	28.3	757
output72	05/06/2016 12:41:45.0000	522.30	2128.40	761	27.6	720
output73	05/06/2016 12:43:03.0000	519.76	2118.06	770	27.8	730
output74	05/06/2016 12:44:20.0000	522.26	2128.21	744	27.3	705
output75	05/06/2016 12:45:38.0000	522.22	2128.05	688	26.2	655
output76	05/06/2016 12:46:55.0000	519.88	2118.54	702	26.5	668
output77	05/06/2016 12:48:13.0000	520.90	2122.68	665	25.8	634
output78	05/06/2016 12:49:30.0000	521.02	2123.18	651	25.5	620
output79	05/06/2016 12:50:48.0000	521.01	2123.15	653	25.6	623
output80	05/06/2016 12:52:05.0000	522.64	2129.77	594	24.4	567
output81	05/06/2016 12:53:23.0000	521.78	2126.28	566	23.8	542
output82	05/06/2016 12:54:40.0000	521.23	2124.04	593	24.4	575
output83	05/06/2016 12:55:58.0000	521.86	2126.59	603	24.6	585
output84	05/06/2016 12:57:15.0000	521.54	2125.31	586	24.2	567
output85	05/06/2016 12:58:33.0000	521.14	2123.66	567	23.8	549
output86	05/06/2016 12:59:50.0000	523.40	2132.88	568	23.8	550
output87	05/06/2016 13:01:08.0000	520.52	2121.15	518	22.8	498
output88	05/06/2016 13:02:25.0000	520.64	2121.62	496	22.3	479
output89	05/06/2016 13:03:43.0000	524.49	2137.32	489	22.1	472
output90	05/06/2016 13:05:01.0000	521.46	2124.95	490	22.1	473
output91	05/06/2016 13:06:18.0000	520.33	2120.35	455	21.3	438
output92	05/06/2016 13:07:36.0000	521.19	2123.89	450	21.2	433
output93	05/06/2016 13:08:54.0000	521.43	2124.83	452	21.3	435

B.5 Tabulka s výslednými hodnotami z experimentu osový profil svazku (s PE filtrem)

Tab. 5: Hodnoty ze 4. experimentu (s PE filtrem)

Soubor	Začátek měření [datum, čas]	Centrální kanál [-]	Energie [keV]	S _p [imp]	Chyba S _p [imp]	S _{pk} [imp]
output1	05/09/2016 08:50:25.0000	513.66	2093.17	1551	39.4	1553
output2	05/09/2016 08:52:12.0000	515.13	2099.18	1556	39.5	1560
output3	05/09/2016 08:54:00.0000	513.99	2094.51	1586	39.8	1588
output4	05/09/2016 08:55:47.0000	515.39	2100.22	1556	39.5	1555
output5	05/09/2016 08:57:35.0000	515.82	2101.97	1562	39.5	1565

Soubor	Začátek měření [datum, čas]	Centrální kanál [-]	Energie [keV]	S _p [imp]	Chyba S _p [imp]	S _{pk} [imp]
output6	05/09/2016 08:59:22.0000	516.84	2106.15	1542	39.3	1558
output7	05/09/2016 09:01:09.0000	515.21	2099.51	1467	38.3	1469
output8	05/09/2016 09:02:57.0000	516.85	2106.18	1425	37.8	1428
output9	05/09/2016 09:04:44.0000	514.76	2097.65	1459	38.2	1463
output10	05/09/2016 09:06:32.0000	516.00	2102.72	1419	37.7	1427
output11	05/09/2016 09:08:19.0000	514.39	2096.15	1391	37.3	1393
output12	05/09/2016 09:10:07.0000	514.80	2097.81	1319	36.3	1322
output13	05/09/2016 09:11:54.0000	515.67	2101.36	1286	35.9	1285
output14	05/09/2016 09:13:42.0000	516.54	2104.91	1269	35.6	1275
output15	05/09/2016 09:15:29.0000	516.87	2106.27	1248	35.3	1247
output16	05/09/2016 09:17:16.0000	514.27	2095.65	1228	35.0	1230
output17	05/09/2016 09:19:04.0000	515.26	2099.70	1201	34.7	1204
output18	05/09/2016 09:20:51.0000	516.03	2102.85	1142	33.8	1144
output19	05/09/2016 09:22:39.0000	515.34	2100.02	1081	32.9	1077
output20	05/09/2016 09:24:26.0000	515.18	2099.36	1119	33.5	1116
output21	05/09/2016 09:26:14.0000	515.39	2100.21	1101	33.2	1102
output22	05/09/2016 09:28:01.0000	515.45	2100.47	1052	32.4	1044
output23	05/09/2016 09:29:49.0000	513.78	2093.68	1034	32.2	1035
output24	05/09/2016 09:31:36.0000	514.13	2095.09	964	31.1	963
output25	05/09/2016 09:33:24.0000	515.34	2100.03	944	30.7	940
output26	05/09/2016 09:35:11.0000	515.40	2100.29	967	31.1	969
output27	05/09/2016 09:36:59.0000	515.98	2102.62	931	30.5	929
output28	05/09/2016 09:38:46.0000	516.62	2105.24	824	28.7	820
output29	05/09/2016 09:40:34.0000	514.28	2095.70	879	29.7	879
output30	05/09/2016 09:42:21.0000	513.98	2094.49	864	29.4	859
output31	05/09/2016 09:44:09.0000	517.57	2109.11	794	28.2	791
output32	05/09/2016 09:45:56.0000	516.12	2103.19	650	25.5	1535
output33	05/09/2016 09:47:44.0000	513.99	2094.52	689	26.3	1428
output34	05/09/2016 09:49:31.0000	514.97	2098.51	653	25.6	1344
output35	05/09/2016 09:51:19.0000	515.27	2099.73	748	27.4	1385
output36	05/09/2016 09:53:07.0000	517.11	2107.24	744	27.3	1283
output37	05/09/2016 09:54:54.0000	515.55	2100.90	744	27.3	1287
output38	05/09/2016 09:56:42.0000	513.62	2093.02	763	27.6	1206
output39	05/09/2016 09:58:30.0000	515.82	2101.98	756	27.5	1160
output40	05/09/2016 10:00:17.0000	515.59	2101.06	765	27.7	1164
output41	05/09/2016 10:02:05.0000	515.23	2099.58	814	28.5	1095
output42	05/09/2016 10:03:52.0000	516.33	2104.07	860	29.3	1117
output43	05/09/2016 10:05:39.0000	515.90	2102.32	844	29.1	1001
output44	05/09/2016 10:07:27.0000	516.91	2106.42	861	29.3	979
output45	05/09/2016 10:09:15.0000	515.91	2102.36	951	30.8	1022
output46	05/09/2016 10:11:02.0000	514.75	2097.62	910	30.2	956
output47	05/09/2016 10:12:50.0000	514.61	2097.04	937	30.6	932
output48	05/09/2016 10:14:37.0000	516.65	2105.37	952	30.9	907
output49	05/09/2016 10:16:25.0000	515.00	2098.64	1016	31.9	954
output50	05/09/2016 10:18:12.0000	515.07	2098.93	984	31.4	859
output51	05/09/2016 10:20:00.0000	514.24	2095.53	1006	31.7	840
output52	05/09/2016 10:21:47.0000	514.98	2098.56	1116	33.4	858
output53	05/09/2016 10:23:35.0000	515.37	2100.16	1096	33.1	815
output54	05/09/2016 10:25:23.0000	515.84	2102.07	1166	34.2	764

Soubor	Začátek měření [datum, čas]	Centrální kanál [-]	Energie [keV]	S _p [imp]	Chyba S _p [imp]	S _{pk} [imp]
output55	05/09/2016 10:27:10.0000	516.35	2104.13	1172	34.2	755
output56	05/09/2016 10:28:57.0000	515.76	2101.76	1206	34.7	762
output57	05/09/2016 10:30:45.0000	515.31	2099.92	1279	35.8	745
output58	05/09/2016 10:32:33.0000	515.24	2099.63	1280	35.8	745
output59	05/09/2016 10:34:20.0000	515.30	2099.85	1383	37.2	749
output60	05/09/2016 10:36:07.0000	514.78	2097.76	1340	36.6	650
output61	05/09/2016 10:37:55.0000	514.11	2095.00	1420	37.7	691
output62	05/09/2016 10:39:42.0000	514.59	2096.99	1542	39.3	648
output63	05/09/2016 10:41:29.0000	515.74	2101.68	1493	38.6	1493
output64	05/09/2016 10:43:17.0000	516.14	2103.30	1547	39.3	1548
output65	05/09/2016 10:45:04.0000	515.80	2101.90	1566	39.6	1567
output66	05/09/2016 10:46:52.0000	515.99	2102.69	1409	37.5	1408
output67	05/09/2016 10:48:39.0000	515.37	2100.17	1408	37.5	1410
output68	05/09/2016 10:50:27.0000	515.27	2099.75	1351	36.8	1358
output69	05/09/2016 10:52:14.0000	514.04	2094.73	1353	36.8	1351
output70	05/09/2016 10:54:02.0000	514.74	2097.58	1269	35.6	1273
output71	05/09/2016 10:55:50.0000	514.75	2097.64	1288	35.9	1292
output72	05/09/2016 10:57:37.0000	514.90	2098.22	1208	34.8	1210
output73	05/09/2016 10:59:25.0000	514.97	2098.51	1167	34.2	1167
output74	05/09/2016 11:01:12.0000	516.26	2103.77	1130	33.6	1134
output75	05/09/2016 11:03:00.0000	514.91	2098.26	1078	32.8	1074
output76	05/09/2016 11:04:47.0000	513.55	2092.72	1099	33.2	1100
output77	05/09/2016 11:06:35.0000	514.34	2095.94	1026	32.0	1023
output78	05/09/2016 11:08:22.0000	514.19	2095.33	1058	32.5	1055
output79	05/09/2016 11:10:10.0000	514.96	2098.48	995	31.5	995
output80	05/09/2016 11:11:57.0000	513.75	2093.54	990	31.5	995
output81	05/09/2016 11:13:45.0000	515.50	2100.67	886	29.8	884
output82	05/09/2016 11:15:32.0000	514.30	2095.79	917	30.3	912
output83	05/09/2016 11:17:20.0000	513.94	2094.34	849	29.1	845
output84	05/09/2016 11:19:07.0000	514.37	2096.08	834	28.9	837
output85	05/09/2016 11:20:55.0000	515.63	2101.20	804	28.4	804
output86	05/09/2016 11:22:42.0000	515.60	2101.08	742	27.2	739
output87	05/09/2016 11:24:29.0000	516.69	2105.53	822	28.7	822
output88	05/09/2016 11:26:17.0000	514.56	2096.84	765	27.7	766
output89	05/09/2016 11:28:04.0000	514.81	2097.86	717	26.8	720
output90	05/09/2016 11:29:51.0000	512.27	2087.51	733	27.1	731
output91	05/09/2016 11:31:39.0000	514.04	2094.73	732	27.1	730
output92	05/09/2016 11:33:26.0000	515.00	2098.63	716	26.8	717
output93	05/09/2016 11:35:14.0000	515.67	2101.39	656	25.6	654