Komety przechodzące przez peryhelium w 2009 roku

Nazwa	q	e	i	a	P	H(0)	T_0		m_{max}
214P/LINEAR	1.844	0.4886	15.214	3.605	13.00	13.0	5.6	I	16.4
P/2003 K2 (Christensen)	0.534	0.8329	10.222	3.195	10.21	13.5	8.9	I	9.2
C/2007 N3 (Lulin)	1.212	1.0000	178.374	——	——	6.5	10.6	I	6.0
P/2008 Y3 (McNaught)	4.434	0.4474	38.812	8.024	64.38	8.5	11.8	I	13.6
C/2008 G1 (Gibbs)	3.989	0.9888	72.848	357	127 tys.	9.5	12.2	I	18.6
68P/Klemola	1.759	0.6405	11.145	4.892	23.94	10.0	21.0	I	14.6
195P/Hill	4.439	0.3148	36.361	6.477	41.96	8.5	20.9	I	17.8
P/2008 Y2 (Gibbs)	1.638	0.5435	7.275	3.589	12.88	16.0	22.2	I	17.3
P/2008 WZ96 (LINEAR)	1.646	0.5092	6.957	3.354	11.25	13.5	24.0	I	16.9
P/2002 JN16 (LINEAR)	1.784	0.4875	11.418	3.480	12.11	14.5	25.1	I	19.1
144P/Kushida	1.439	0.6278	4.109	3.866	14.95	8.5	26.9	I	10.7
P/2003 O3 (LINEAR)	1.247	0.5984	8.366	3.105	9.64	18.0	30.0	I	20.6
47P/Ashbrook-Jackson	2.799	0.3191	13.053	4.111	16.90	1.0	1.0	II	16.1
P/2009 B1 (Boattini)	2.427	0.6374	22.229	6.693	44.80	13.0	6.2	II	18.3
202P/Scotti	2.527	0.3309	2.185	3.777	14.26	13.5	7.0	II	18.6
P/2008 Y1 (Boattini)	1.272	0.7352	8.805	4.803	23.07	15.0	25.1	II	17.8
14P/Wolf	2.724	0.3579	27.944	4.242	18.00	5.5	27.3	II	21.2
67P/Churyumov-Gerasimenko	1.246	0.6402	7.041	3.465	12.00	11.0	28.4	II	13.1
C/2009 B2 (LINEAR)	2.327	0.9421	156.869	40.184	1615	12.5	7.3	III	16.8
59P/Kearns-Kwee	2.356	0.4752	9.341	4.488	20.14	7.0	7.6	III	14.0
P/2008 J3 (McNaught)	2.287	0.4123	25.399	3.892	15.15	12.0	10.7	III	17.9
P/2002 Q1 (Van Ness)	1.551	0.5639	36.280	3.557	12.65	13.0	21.0	III	31.8
145P/Shoemaker-Levy	1.891	0.5422	11.299	4.131	17.07	13.5	26.6	III	18.5
C/2009 E1 (Itagaki)	0.608	1.0000	128.398	——	——	11.5	7.4	IV	10.0
199P/Shoemaker	2.935	0.5085	24.756	5.972	35.67	10.0	9.8	IV	16.4
209P/LINEAR	0.914	0.6889	19.149	2.937	8.63	17.0	16.0	IV	13.9
P/2008 O2 (McNaught)	3.804	0.1534	9.518	4.493	20.19	9.0	21.8	IV	17.1
211P/Hill	2.362	0.3376	18.872	3.566	12.72	12.5	7.8	V	17.5
137P/Shoemaker-Levy	1.915	0.5745	4.854	4.501	20.26	11.0	13.6	V	16.0
22P/Kopff	1.578	0.5444	4.724	3.463	11.99	3.0	25.4	V	8.0
143P/Kowal-Mrkos	2.538	0.4098	4.690	4.301	18.50	13.5	12.2	VI	16.6
C/2008 T2 (Cardinal)	1.202	1.0001	56.304	——	——	6.0	13.2	VI	8.1
64P/Swift-Gehrels	1.377	0.6895	8.951	4.435	19.67	8.5	14.3	VI	14.4
P/2003 A1 (LINEAR)	1.916	0.4999	44.333	3.832	14.68	13.5	16.0	VI	31.4
157P/Tritton	1.414	0.5847	7.090	3.406	11.60	12.5	21.2	VI	11.9
P/2003 H4 (LINEAR)	1.701	0.4903	18.152	3.338	11.14	16.0	22.4	VI	18.0
C/2008 Q3 (Garradd)	1.796	1.9990	140.705	1773	3 mln	10.0	23.1	VI	12.4
C/2006 W3 (Christensen)	3.126	1.0000	127.074	——	——	5.0	6.7	VII	11.8
77P/Longmore	2.310	0.3581	24.398	3.599	12.95	7.0	7.8	VII	15.4
116P/Wild	2.175	0.3746	3.613	3.478	12.09	2.5	18.9	VII	12.6
C/2008 P1 (Garradd)	3.896	1.0019	64.307	——	——	7.0	22.9	VII	15.4
P/1999 XB69 (LINEAR)	1.652	0.6308	11.306	4.474	20.02	17.5	25.9	VII	20.7
74P/Smirnova-Chernykh	3.558	0.1476	6.647	4.174	17.42	5.0	30.4	VII	15.5
24P/Schaumasse	1.214	0.7036	11.729	4.096	16.77	6.5	9.6	VIII	11.2
89P/Russell	2.280	0.3993	12.032	3.796	14.41	11.5	17.2	VIII	17.5
P/2001 MD7 (LINEAR)	1.224	0.6897	12.882	3.944	15.56	12.0	9.0	IX	11.7
C/2008 N1 (Holmes)	2.784	0.9970	115.519	930	864 tys.	9.0	25.9	IX	15.6
C/2007 Q3 (Siding Spring)	2.252	1.0002	65.650	——	——	4.5	7.3	X	10.2
127P/Holt-Olmstead	2.196	0.3627	14.319	3.445	11.87	11.0	21.3	X	16.5
88P/Howell	1.364	0.5620	4.382	3.113	9.69	11.0	12.5	X	14.1
54P/de Vico-Swift-NEAT	2.172	0.4270	6.067	3.790	14.37	10.0	28.5	XI	15.9
169P/NEAT	0.608	0.7668	11.300	2.606	6.79	16.0	30.3	XI	12.4
100P/Hartley	1.982	0.4188	25.653	3.411	11.63	9.0	6.1	XII	17.2

q – odległość komety od Słońca w peryhelium [j.a.], e – mimośród orbity komety
i – nachylenie orbity komety do płaszczyzny ekliptyki [°], a – wielka półoś orbity komety [j.a.]
P – okres obiegu komety wokół Słońca (w latach), H(0) – jasność absolutna komety (1 j.a. od Ziemi i 1 j.a. od Słońca) [^{m}], T_0– data przejścia komety przez peryhelium w 2009 roku, m_{max} – maksymalna spodziewana jasność komety [^{m}]
[Elementy orbit wg. *http://cfa-www.harvard.edu/iau/Ephemerides/Comets/*, pobrane 16.03.2009]