

Retroactive scanning of articles published in CST, CTNP and CNPR

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(中国核数据中心, 中国原子能科学研究院)

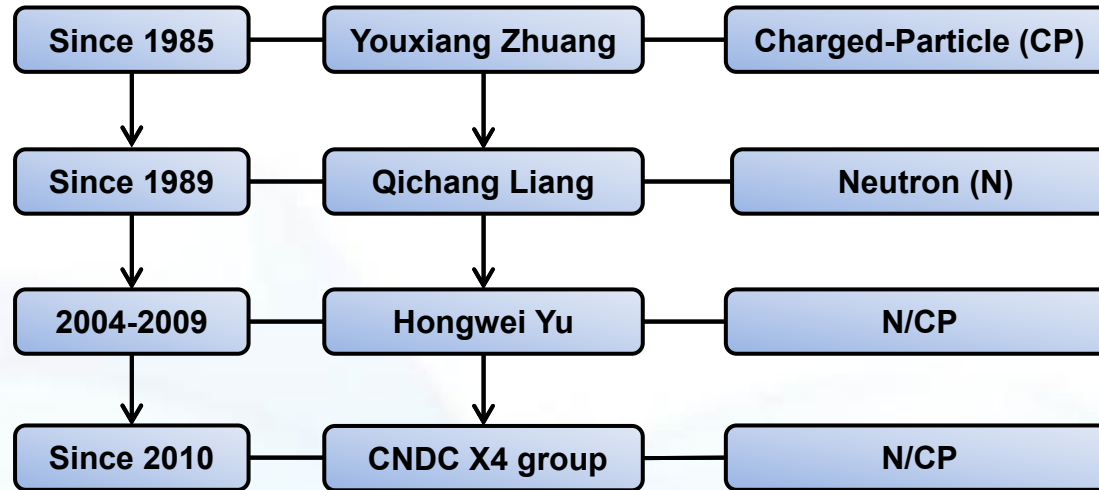


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1. EXFOR Compilation at CNDC

- History



- CNDC X4 group



Director



Compiler



Compiler



Compiler



Programmer

1. EXFOR Compilation at CNDC

- Compilation Status (since the last NRDC meeting)

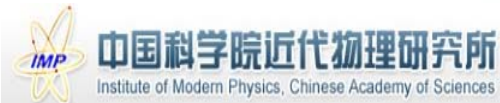
Trans	New entries (63)	Revised entries (26)	Status
3188	32744, 32774	32515	In EXFOR
3190	32789, 32791, 32793	32708, 32504	In EXFOR
3192	32731, 32776, 32779, 32783, 32785, 32786, 32787, 32788, 32790, 32792	32661	In EXFOR
3195	32780, 32781, 32782, 32794	32550, 32555	In EXFOR
3196	32773, 32798	32548, 32699	In EXFOR
3197	32767, 32803	32624	In EXFOR
3198	32800, 32804, 32808	32699, 32776, 32780	In EXFOR
3XXX	32765, 32768, 32770, 32778, 32795, 32797, 32799, 32801, 32802, 32805, 32806	32771, 32732	Finalized
S026	S0183	S0093, S0123, S0215	In EXFOR
S027	S0088, S0089, S0091, S0092, S0188, S0194, S0206, S0213, S0226	S0008, S0098, S0201	In EXFOR
S028	S0182, S0218, S0220, S0230	S0002	In EXFOR
S029	S0187, S0209, S0219, S0221, S0222, S0223, S0224, S0225, S0228, S0229, S0231, S0232	S0011, S0069, S0015, S0018, S0040	In EXFOR

2. Main Facilities of China



中国原子能科学研究院
CHINA INSTITUTE OF ATOMIC ENERGY

(REAC,3CPRAEP) 35 kW Miniature Neutron Source Reactor
(VDGT,3CPRAEP) 13 MV HI-13 Tandem Accelerator
(VDGT,3CPRAEP) 5SDH-2 2 x 1.7 MV Tandem Van de Graaff Accelerator
(CCW,3CPRAEP) 600 kV Cockcroft-Walton Accelerator



中国科学院近代物理研究所
Institute of Modern Physics, Chinese Academy of Sciences

(CYCLO,3CPRIMP) The Heavy Ion Research Facility in Lanzhou (HIRFL)
(PRJFS,3CPRIMP) The Radioactive Ion Beam Line in Lanzhou (RIBLL)
(CCW,3CPRIMP) 320 kV platform for multi-discipline research with highly charged ions.



中国工程物理研究院
CHINA ACADEMY OF ENGINEERING PHYSICS

(CCW,3CPRNPC) K-400 Intense Neutron Generator
(NGEN,3CPRNPC) PD-300 Neutron Generator
(NGEN,3CPRNPC) TD-300 Neutron Generator



中国散裂中子源
CHINA SPALLATION NEUTRON SOURCE

(SYNCH,3CPRIHP) The Back-streaming white neutron source (Back-n WNS) at China Spallation Neutron Source (CSNS)



北京大学
PEKING UNIVERSITY

(VDG,3CPRBJG) 4.5 MV Van de Graaff Accelerator



兰州大学
LANZHOU UNIVERSITY

(CCW,3CPRLNZ) The ZF-300-II Intense Neutron Generator



复旦大学
FUDAN UNIVERSITY

(VDGT,3CPRFUD) The NEC 9SDH-2 2x3 MV Tandem Accelerator



四川大学
SICHUAN UNIVERSITY

(VDG,3CPRSIU) 2.5 MV Van de Graaff Accelerator
(CCW,3CPRSIU) 400 KV Cockcroft-Walton Accelerator



中国科学院上海应用物理研究所
Shanghai Institute of Applied Physics, Chinese Academy of Sciences

(LINAC,3CPRNRS) 16 MeV Electron Accelerator

3. Scanning Responsibility

Currently CNDC is responsible for scanning of **8 journals of China**, namely ASI, CNPR, CNST, CPH/C, CPL, CST, HFH and NTC. The ASI is semimonthly, the HFH is bimonthly, the CNPR is quarterly and others are monthly. Submit the scanning results to NDS (S.Okumura) **every month**.

No.	Journal name	Former name	Code	Vols.
1	Acta Physica Sinica		ASI	vol.9 (1953) -
		Chinese Journal of Physics		vol.1 (1933) - vol.8 (1951)
2	Nuclear Physics Review		CNPR	vol.14 (1997) -
		Trends in Nuclear Physics	CTNP	vol.9 (1992) - vol.13 (1996)
		He Wuli Dongtai	CTNP	vol.1 (1984) - vol.8 (1991)
3	Nuclear Science and Techniques		CNST	vol.1 (1990) -
4	Chinese Physics C		CPH/C	vol.32 (2008) -
		High Energy Physics and Nuclear Physics	PHE	vol.1 (1977) - vol.31 (2007)
5	Chinese Physics Letters		CPL	vol.1 (1984) -
6	Atomic Energy Science and Technology		CST	vol.9 (1975) -
				vol.1 (1959) - vol.8 (1966)
7	Journal of Nuclear and Radiochemistry		HFH	vol.1 (1979) -
8	Nuclear Technique		NTC	vol.1 (1978) -

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No.	Journal name	Former name	Code	Vols.
1	Acta Physica Sinica		ASI	vol.9 (1953) -
		Chinese Journal of Physics		vol.1 (1933) - vol.8 (1951)
2	Nuclear Physics Review		CNPR	vol.14 (1997) -
		Trends in Nuclear Physics	CTNP	vol.9 (1992) - vol.13 (1996)
		He Wuli Dongtai	CTNP	vol.1 (1984) - vol.8 (1991)
3	Nuclear Science and Techniques		CNST	vol.1 (1990) -
4	Chinese Physics C		CPH/C	vol.32 (2008) -
		High Energy Physics and Nuclear Physics	PHE	vol.1 (1977) - vol.31 (2007)
5	Chinese Physics Letters		CPL	vol.1 (1984) -
6	Atomic Energy Science and Technology		CST	vol.9 (1975) -
				vol.1 (1959) - vol.8 (1966)
7	Journal of Nuclear and Radiochemistry		HFH	vol.1 (1979) -
8	Nuclear Technique		NTC	vol.1 (1978) -

4. CST (CP-S/005)

- CNDC scanned Journal of Atomic Energy Science and Technology (J, CST) from Vol.1 No.1 (1959) to Vol.54 No.8 (2020), and identified articles for EXFOR compilation with NDS (N.Otsuka).
- Now all existing volumes and issues of CST were registered in X4CoCoS (even for volumes/issues without any EXFOR related articles).
- There are 82 articles for creation or revision of EXFOR entries, 36 of them are in EXFOR, 13 must be updated and 33 are new-found EXFOR related articles.

4. CST (CP-S/005)

No.	First Author	Reference	Lab.	Projectile	Quantity	Comments
1	Xiao Zhenxi	J,CST,1,(1),44,1959	3CPRAEP	n	DE	Curve, Brief report
2	Group	J,CST,2,(1),1,1960	3CPRAEP	n	NU	Table
3	Li Guanhua	J,CST,3,(2),106,1961	3CPRCPR	n	FY	Table, Inner Mongolia Normal University
4	Ye Chuntang	J,CST,3,(3),141,1961	3CPRAEP	n	RP	Curve+Table
5	Liang Qichang	J,CST,3,(4),199,1961	3CPRAEP	n	NU	Table, Brief report
6	Yang Chengzhong	J,CST,3,(10),547,1961	3CPRAEP	n	DA	Curve
7	Huang Shengnian	J,CST,3,(11),585,1961	3CPRAEP	n	NU	Table
8	Wu Meizhen	J,CST,3,(12),701,1961	3CPRAEP	cp	CS	Table
9	Wang Yusheng	J,CST,6,(1),1,1964	3CPRAEP	n	NU	Table
10	Yuan Hanrong	J,CST,6,(2),127,1964	3CPRAEP	n	CS	Table
11	Ye Chuntang	J,CST,6,(4),349,1964	3CPRAEP	n	CS	Table
12	Hu Xuanwen	J,CST,6,(4),368,1964	3CPRAEP	n	KE	Table
13	Hu Ji'an	J,CST,6,(5),554,1964	3CPRAEP	n	CS	Table, Brief report
14	Yang Zhen	J,CST,6,(10),1107,1964	3CPRAEP	n	RP	Curve
15	Yu Ansun	J,CST,6,(10),1114,1964	3CPRAEP	n	CS	Curve
16	Niu Shiwen	J,CST,6,(10),1120,1964	3CPRAEP	n	CS	Curve
17	Ruan Jinghui	J,CST,7,(2),108,1965	3CPRAEP	n	RP	Table
18	Lu Hanlin	J,CST,7,(10),848,1965	3CPRAEP	n	CS	30914
19	Group	J,CST,9,(1),1,1975	3CPRAEP	cp	DAP	Curve
20	Jia Wenhai	J,CST,9,(1),19,1975	3CPRAEP	n	CS	32624
21	Lu Hanlin	J,CST,9,(2),113,1975	3CPRAEP	n	CS	32619, 30523
22	Yan Wuguang	J,CST,9,(2),133,1975	3CPRAEP	n	CS	32625
23	Group	J,CST,9,(4),285,1975	3CPRAEP	n	NU	Table
24	Group	J,CST,9,(4),362,1975	3CPRAEP	n	NU	32606
25	Lu Huijun	J,CST,10,(2),124,1976	3CPRAEP	n	DA	Curve
26	Chen Ying	J,CST,10,(2),146,1976	3CPRAEP	n	CS	Table
27	Liang Qichang	J,CST,11,(1),10,1977	3CPRAEP	cp	CS	S0002

4. CST (CP-S/005)

No.	First Author	Reference	Lab.	Projectile	Quantity	Comments
28	Li Chi-chou	J,CST,11,(1),45,1977	3CPRAEP	n	CS	30483
29	Zhou Huiming	J,CST,11,(2),193,1977	3CPRAEP	n	CS	Curve, Brief report
30	Huang Jianzhou	J,CST,11,(3),211,1977	3CPRAEP	n	CS	32585, 30637
31	Group	J,CST,11,(3),229,1977	3CPRAEP	cp	CS	S0001
32	Ruan Jinghui	J,CST,11,(4),335,1977	3CPRAEP	n	CS	Table
33	Fan Peiguo	J,CST,12,(2),133,1978	3CPRAEP	n	CS	30637, Must be updated.
34	Wang Zhengmin	J,CST,13,(3),273,1979	3CPRAEP	n	KE	Curve+Table
35	Li Ze	J,CST,14,(1),98,1980	3CPRAEP	n	CS	Table, Brief report
36	Qi Bujia	J,CST,14,(1),101,1980	3CPRAEP	n	CS	30770
37	Hu Zhongkang	J,CST,14,(2),201,1980	3CPRAEP	n	CS	32766
38	Li Anli	J,CST,14,(3),355,1980	3CPRAEP	n	DA	32548
39	Deng Xinlu	J,CST,15,(1),12,1981	3CPRAEP	n	CS	32724
40	Sun Hancheng	J,CST,15,(3),185,1981	3CPRAEP	cp	DE	S0008
41	Cui Yunfeng	J,CST,16,(1),1,1982	3CPRAEP	n	CS	30929
42	Ma Weiyi	J,CST,16,(1),4,1982	3CPRAEP	n	DA	Table
43	Ye Zongyuan	J,CST,16,(2),129,1982	3CPRAEP	n	FY	Curve
44	Bao Zongyu	J,CST,16,(2),132,1982	3CPRAEP	n	KE	Table
45	Sun Hancheng	J,CST,18,(3),329,1984	3CPRAEP	cp	DE	S0006
46	Tao Zhenlan	J,CST,18,(4),506,1984	3CPRNRS	cp	CS	S0015
47	Chen qinghong	J,CST,20,(2),161,1986	3CPRAEP	n	FY	30793
48	Li Jizhou	J,CST,20,(4),441,1986	3CPRAEP	cp	DA	A1246, Must be updated.
49	Xia Yijun	J,CST,22,(3),315,1988	3CPRAEP	n	CS	32555
50	Wang Yongchang	J,CST,27,(2),174,1993	3CPRLNZ	n	CS	32596
51	He Fuqing	J,CST,28,(6),513,1994	3CPRSIU	cp	CS	S0034, Must be updated.
52	Ye Bangjiao	J,CST,29,(4),290,1995	3CPRHST	n	DAE	31461+31652+32763, Must be updated.
53	Zhao Wenrong	J,CST,29,(4),294,1995	3CPRAEP	n	CS	31454, Must be updated.
54	Huang Ruiliang	J,CST,31,(1),55,1997	3CPRNPC	n	CS	Table

4. CST (CP-S/005)

No.	First Author	Reference	Lab.	Projectile	Quantity	Comments
55	Ye Bangjiao	J,CST,33,(3),193,1999	3CPRHST	n	DE	32649, Must be updated. One data point is missing in 004.
56	Lu Hanlin	J,CST,33,(5),410,1999	3CPRAEP	n	CS	31630
57	Zhao Wenrong	J,CST,33,(5),415,1999	3CPRAEP	n	CS	32551, Must be updated.
58	Qi Bujia	J,CST,33,(6),497,1999	3CPRAEP	n	DAE	31608
59	Yang Yi	J,CST,34,(S1),170,2000	3CPRAEP	n	FY	32762
60	Huang Xiaolong	J,CST,34,(5),456,2000	3CPRAEP	n	CS	31638
61	Wang Tieshan	J,CST,35,(6),496,2001	3CPRIMP	cp	DA	Curve
62	Xu Yongjun	J,CST,35,(6),547,2001	3CPRAEP	cp	CS	D0499
63	Guo Bing	J,CST,39,(2),118,2005	3CPRAEP	cp	DA	S0053, Must be updated.
64	Guo Bing	J,CST,41,(2),158,2007	3CPRAEP	hi	DAP	S0047, Must be updated.
65	Zhou Jing	J,CST,41,(6),663,2007	3CPRAEP	cp	CS	D0527, Must be updated.
66	Sun Xufang	J,CST,42,(10),875,2008	3CPRBNU	cp	DA	Curve
67	Guo Jimei	J,CST,42,(12),1069,2008	3CPRBJG	cp	TTD	S0093
68	Guo Bing	J,CST,43,(2),97,2009	3CPRAEP	hi	DA	D0483, Must be updated.
69	Ruan Xichao	J,CST,43,(9),793,2009	3CPRAEP	n	DAE	32673
70	Li Ertao	J,CST,44,(1),9,2010	3CPRAEP	cp	DA	S0061
71	Yang weifan	J,CST,44,(5),513,2010	3CRPIMP	cp	CS	O1386, Must be updated.
72	Zhu Chuanxin	J,CST,44,(S),7,2010	3CPRNPC	n	CS	32686
73	Jiang Liyang	J,CST,46,(6),641,2012	3CPRAEP	n	CS	32707
74	Wang Wenming	J,CST,46,(8),897,2012	3KORPUE	n	RP	30830, Must be updated.
75	Jiang Liyang	J,CST,46,(9),1025,2012	3CPRAEP	cp	TTD	S0073
76	Yang Yang	J,CST,47,(4),517,2013	3CPRAEP	n	FY	32721
77	Liu Shilong	J,CST,47,(6),901,2013	3CPRAEP	n	FY	32719
78	Feng Jing	J,CST,47,(9),1473,2013	3CPRAEP	n	FY	32718
79	Wang Zhaohui	J,CST,47,(12),2177,2013	3CPRAEP	n	CSP	32720
80	Guo Bing	J,CST,48,(2),193,2014	3CPRAEP	hi	DA	S0072
81	Jin Sunjun	J,CST,48,(12),2182,2014	2JPNIPC	cp	DA	Curve
82	Su Xiaobin	J,CST,50,(3),395,2016	3CPRAEP	cp	CS	Table

5. CTNP and CNPR (CP-S/006)

- The name of this journal has been Nuclear Physics Review (CNPR) since vol.14, and was Trends in Nuclear Physics from vol.1 to vol.13. So, one new Reference Code, **CTNP** is proposed for Trends in Nuclear Physics (Vols. 1 to 13).
- CNDC scanned Trends in Nuclear Physics (CTNP) **from Vol.1 No.1 (1984) to Vol.13 No.4 (1996)** and Nuclear Physics Review (CNPR) **from Vol.14 No.1 (1997) to Vol.37 No.2 (2020)**, and identified articles for EXFOR compilation with NDS (N.Otsuka).
- Now all existing volumes and issues of CTNP and CNPR were registered in X4CoCoS (even for volumes/issues without any EXFOR related articles).
- There are **43** articles for creation or revision of EXFOR entries, **5** of them are in EXFOR, **8** must be updated and **30** are new-found EXFOR related articles.

5. CTNP and CNPR (CP-S/006)

No.	First Author	Reference	Lab.	Projectile	Quantity	Comments
1	Zhu Yongtai	J,CTNP,10(3),26,1993	3CPRIMP	cp	DA	S0160, Data from the S0160 exp., but missing in the entry. Must be updated.
2	Jin Genming	J,CTNP,10(3),31,1993	3CPRIMP	hi	CS	Curve
3	Lu Jun	J,CTNP,11(1),46,1994	2NEDKVI	hi	DAE	Curve
4	Yuan Junqian	J,CTNP,11(1),65,1994	3CPRLNZ	n	CS	Table, $^{137}\text{Ba}(n,p)^{137}\text{Cs}$ in 31521.
5	Liu Guoxing	J,CTNP,12(1),20,1995	3CPRAEP	hi	CS	Curve
6	Chen Zemin	J,CNPR,16(1),31,1999	3CPRBJG	n	CS	31507, Also for 31463 and 31506, Must be updated.
7	Liu Zuhua	J,CNPR,17(4),210,2000	2JPNIPC	cp	CS	A0564, Must be updated.
8	Li Gongping	J,CNPR,19(1),39,2002	3CPRLNZ	cp	DA	Table
9	Chen Zhiqiang	J,CNPR,19(4),387,2002	3CPRIMP	cp	CS	Table
10	He Ming	J,CNPR,21(4),404,2004	3CPRBJG	hi	CS	E1951, Must be updated.
11	Ye Yanlin	J,CNPR,22(1),1,2005	2JPNIPC	cp	DA	Curve
12	Wang Jia	J,CNPR,22(1),3,2005	2JPNIPC	cp	DA	Curve
13	Pang Danyang	J,CNPR,22(1),6,2005	2JPNIPC	cp	DA	Curve
14	Wu Cui-e	J,CNPR,22(1),17,2005	2JPNIPC	hi	CS	Curve
15	Li Zhihong	J,CNPR,22(1),20,2005	3CPRAEP	cp	DA	Curve
16	Li Chengbo	J,CNPR,22(3),248,2005	2ITYLNS	cp	CS	Curve
17	Yi yanling	J,CNPR,23(2),127,2006	3CPRLNZ	n	CS	31649
18	Shi Shuting	J,CNPR,24(1),29,2007	3CPRSIU	n	CS	Table
19	J.Kasag	J,CNPR,26(S),44,2009	2JPNTOH	cp	TT	Curve. Data different from those in E2357.
20	F.Miyahara	J,CNPR,26(S),104,2009	2JPNTOH	g	DA	K2285
21	J.J.He	J,CNPR,26(S),153,2009	3CPRIMP	cp	DA	E2107
22	Zhang Yaling	J,CNPR,28(3),366,2011	3CPRLNZ	n	DA	32723

5. CTNP and CNPR (CP-S/006)

No.	First Author	Reference	Lab.	Projectile	Quantity	Comments
23	Hu Jun	J,CNPR,28(4),428,2011	3CPRIMP	cp	DA	Curve
24	Li Yunju	J,CNPR,29(3),224,2012	3CPRAEP	cp	DA	S0058, Must be updated.
25	Wang Lichun	J,CNPR,30(2),107,2013	2JPNIRS	hi	CS	E2386, Also for E2517. Must be updated.
26	Yang Lei	J,CNPR,30(2),117,2013	3CPRAEP	cp	DA	Curve
27	Zhang Liyong	J,CNPR,30(4),385,2013	2JPNIPC	cp	DA	E2434
28	Jin Sunjun	J,CNPR,32(3),274,2015	2JPNIPC	cp	DA	Curve
29	Wang Taofeng	J,CNPR,32(3),280,2015	3KORPUE	n	CS	Curve
30	Jiang Jing	J,CNPR,32(4),435,2015	3CPRAEP	n	CS	Curve
31	Hua Wei	J,CNPR,34(2),138,2017	3CPRIMP	cp	CS	Table
32	Huang Hanxiong	J,CNPR,34(2),252,2017	3CPRAEP	n	DE	Curve
33	Ma Nanru	J,CNPR,34(3),351,2017	3CPRAEP	cp	DA	Curve
34	He Jianjun	J,CNPR,34(3),403,2017	3CPRIMP	cp	CS	S0083, Also for S0183. Must be updated.
35	Yan Shengquan	J,CNPR,34(3),420,2017	2JPNJAE	n	CS	NEA DB, Must be updated.
36	Li Ertao	J,CNPR,34(3),446,2017	3CPRAEP	cp	DA	Curve
37	Gan Lin	J,CNPR,34(3),450,2017	3CPRAEP	cp	DA	Curve
38	Wang Dongxi	J,CNPR,34(3),534,2017	3CPRAEP	hi	FY	Curve
39	Li Junsheng	J,CNPR,34(3),545,2017	2JPNIRS	hi	CS	Table
40	Chen Zhijun	J,CNPR,34(4),705,2017	3CPRBJG	cp	CS	Table
41	Su Yi	J,CNPR,35(4),450,2018	3CPRAEP	cp	DA	Curve
42	Jia Baolu	J,CNPR,36(1),38,2019	2JPNIPC	cp	DA	Curve
43	XIN Wenyu	J,CNPR,36(3),289,2019	3CPRSUI	cp	CS	Curve

6. Summary

- Since the last NRDC meeting, CNDC has compiled **63** new entries and revised **26** entries.
- CNDC is responsible for scanning of **8** journals of China, and submit the scanning results to NDS **every month**.
- CNDC scanned Atomic Energy Science and Technology (**CST**), Trends in Nuclear Physics (**CTNP**) and Nuclear Physics Review (**CNPR**) from the Vol.1 No.1 to the latest issue.
- CNDC continues scanning of **future issues**, and retroactive scanning of **archived issues** of other journals of China.

Thanks for your attention!

