

(資料)

Data-entries of 1997

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1. 今年度入力論文リスト

今年度の入力データは、以下のものから採集され、収集された論文数は、計34編であった。

Nucl.Phys.A, Phys.Rev.Lett., Phys.Rev.C, Phys.Lett.B, Z.Phys.A, J.Phys.G

以下に今年度入力した論文リストを示す。リストの項目は次のとおりである。

Data Number:1656

[Title] EXPERIMENTAL DETERMINATION OF THE E2 COMPONENT IN THE COULOMB DISSOCIATION OF 8B

[First Author] T.KIKUCHI

[Journal] Phys.Lett.B391 p261 1997

Data Number:1658

[Title] FUSION AND BREAKUP AT THE BARRIRE WITH 11BE

[First Author] A.YOSHIDA

[Journal] Phys.Lett.B389 p457 1996

Data Number:1659

[Title] THE DEFORMATION PATHS IN PROTON-INDUCED FISSION OF 232TH

[First Author] Y.NAGAME

[Journal] Phys.Lett.B387 p26 1996

Data Number:1660

[Title] PRODUCTION AND IDENTIFICATION OF NEW NEUTRON-RICH NUCLEI, 31NE AND 37MG IN THE REACTION 80AMEV 50TI+181TA

[First Author] H.SAKURAI

[Journal] Phys.Rev.C54 p2802 1996

Data Number:1661

[Title] ELASTIC TWO-NEUTRON TRANSFER REACTIONS OF 58NI+60NI AND 62NI+64NI AROUND THE COULOMB BARRIER

[First Author] Y.SUGIYAMA

[Journal] Phys.Rev.C55 p5 1997

Data Number:1662

[Title] NUCLEAR FISSION OF NEUTRON-DEFICIENT PROTACTINIUM NUCLIDES

[First Author] I.NISHIKAWA

[Journal] Phys.Rev.C56 p891 1997

Data Number:1663

[Title] ISOSPIN AND SPIN-ORBITAL STRUCTURES OF $J^{\pi}I=1^{+}$ STATES EXCITED IN ^{28}Si

[First Author] Y.FUJITA

[Journal] Phys.Rev.C55 p1137 1997

Data Number:1664

[Title] GAMOW-TELLER STRENGTH OF ^{90}Nb IN THE CONTINUUM STUDIED VIA MULTI-POLE DECOMPOSITION ANALYSIS OF THE $^{90}\text{Zr}(p,n)$ REACTION AT 295MEV

[First Author] T.WAKASA

[Journal] Phys.Rev.C55 p2909 1997

Data Number:1665

[Title] DEPLETION OF THE $2f_{7/2}$ NEUTRON HOLE STATE IN ^{207}Pb

[First Author] M.MOTOKA

[Journal] Phys.Rev.C55 p6 1997

Data Number:1666

[Title] ALPHA-DECAY PROPERTIES OF THE NEW NEUTRON DEFICIENT ISOTOPE ^{212}Pa

[First Author] S.MITSUOKA

[Journal] Phys.Rev.C55 p1555 1997

Data Number:1667

[Title] ANALOG TRANSITIONS IN SD- AND F-SHELL NUCLEI AND THE ISOVECTOR RT OF OPTICAL POTENTIALS STUDIED BY THE (p,n) REACTIONS AT 35MEV

[First Author] G.C.JON

[Journal] Phys.Rev.C56 p900 1997

Data Number:1668

[Title] ISOBARIC ANALOG STATE OF ^{11}Li

[First Author] T.TERANISHI

[Journal] Phys.Lett.B28 p110 1997

Data Number:1669

[Title] COULOMB EXCITATION OF ^{11}Be

[First Author] T.NAKAMURA

[Journal] Phys.Lett.B394 p11 1997

Data Number:1670

[Title] ISOBALIC ANALOG STATE OF ^{11}Li

[First Author] T.TERANISHI

[Journal] Phys.Lett.B407 p110 1997

Data Number:1671

[Title] NEUTRON PRE-EMISSION AT THE FUSION OF ^{11}Li HALO NUCLEI WITH SI TARGETS

[First Author] M.PETRASCU

[Journal] Phys.Lett.B405 p224 1997

Data Number:1672

[Title] ANALYSING POWERS OF P+D SCATTERING BELOW THE DEUTERON BREAKUP THRESHOLD

[First Author] S.SHIMIZU

[Journal] Phys.Rev.C52 p1193 1995

Data Number:1673

[Title] THE $^{17,18}\text{O}(\text{P},\text{N})^{17,18}\text{F}$ REACTION AT $E_{\text{P}}=35\text{MEV}$

[First Author] M.OURA

[Journal] Nucl.Phys.A586 p20 1995

Data Number:1674

[Title] JOINT MOMENTUM DISTRIBUTION OF P+N IN ^6Li

[First Author] R.E.WARNER

[Journal] Nucl.Phys.A503 p161 1989

Data Number:1675

[Title] ROTATIONAL AND VIBRATIONAL STATES IN ^{115}Te

[First Author] C.-B.MOON

[Journal] Z.Phys.A357 p53 1997

Data Number:1676

[Title] BATA DECAYS OF ^{128}Ce AND ^{128}La

[First Author] T.HAYAKAWA

[Journal] Z.Phys.A358 p15 1997

Data Number:1677

[Title] A NEW APPROACH TO A "MODEL-INDEPENDENT" OPTICAL POTENTIAL AND ITS APPLICATION TO PROTON ELASTIC SCATTERING NEAR THE (P,N) THRESHOLD ENERGY REGION

[First Author] Y.AOKI

[Journal] Nucl.Phys.A599 p417 1996

Data Number:1678

[Title] QUASIFREE PROCESSES IN THE ^6Li BREAKUP REACTIONS BY ALPHA PARTICLES

[First Author] A.OKIHANA

[Journal] Nucl.Phys.A614 p71 1997

Data Number:1679

[Title] GT STRENGTH STUDIED BY $(^3\text{He},\text{T})$ REACTIONS AND NUCLEAR TRIAXIAL ELEMENTS FOR DOUBLE BETA DECAYS

[First Author] H.AKIMUNE

[Journal] Phys.Lett.B394 p23 1997

Data Number:1680

[Title] DEPLETION OF THE $2F_{7/2}$ NEUTRON HOLE STATE IN ^{207}Pb

[First Author] M.MATOKA

[Journal] Phys.Rev.C55 p3152 1997

Data Number:1681

[Title] EXCLUSIVE MEASUREMENT OF PROTON QUASIFREE SCATTERING AND DENSITY DEPENDENCE OF THE NUCLEON-NUCLEON INTERACTION

[First Author] K.HATANAKA

[Journal] Phys.Rev.Lett.78 p1014 1997

Data Number:1682

[Title] SCALAR AND VECTOR MESON PRODUCTION AND TWO-STEP PROCESSES IN THE (K^-, K^+) REACTION ON ^{12}C

[First Author] J.K.AHN

[Journal] Nucl.Phys.A625 p231 1997

Data Number:1683

[Title] SCATTERING OF RADIOACTIVE NUCLEI ^6He AND ^3H BY PROTONS: EFFECTS OF NEUTRON SKIN AND HALO IN ^6He , ^8He , AND ^{11}Li

[First Author] A.A.KORSHENINNIKOV

[Journal] Nucl.Phys.A617 p45 1997

Data Number:1684

[Title] MAGNETIC MOMENTS OF ^{17}N AND ^{17}B

[First Author] H.UENO

[Journal] Phys.Rev.C53 p2142 1996

Data Number:1685

[Title] (p, d) REACTION ON ^{62}Ni AT 65 MEV

[First Author] M.MOTOKA

[Journal] Phys.Rev.C53 p1972 1996

Data Number:1686

[Title] ISOSPIN CHARACTER OF LOW-LYING STATES IN ^{56}Fe

[First Author] R.D.LEO

[Journal] Phys.Rev.C53 p2718 1996

Data Number:1687

[Title] DECAY MECHANISM OF A HIGHLY EXCITED NUCLEUS PRODUCED IN THE REACTION $^{84}\text{Kr} + ^{27}\text{Al}$ AT 10.6 MEV/NUCLEON

[First Author] Y.FUTAMI

[Journal] Nucl.Phys.A607 p85 1996

Data Number:1688

[Title] SEARCH FOR NEUTRON-RICH LAMBDA HYPERNUCLEI IN THE (K- STOPPED, PI+)
REACTION [First Author] K.KUBOTA

[Journal] Nucl.Phys.A602 p327 1996

Data Number:1689

[Title] DYNAMAICS OF THE PROJECTILE-LIKE FRAGMENT EMISSION IN THE 40AR+209BI
REACTION AT 26 MEV U-1

[First Author] K.IEKI

[Journal] J.Phys.G18 p401 1992

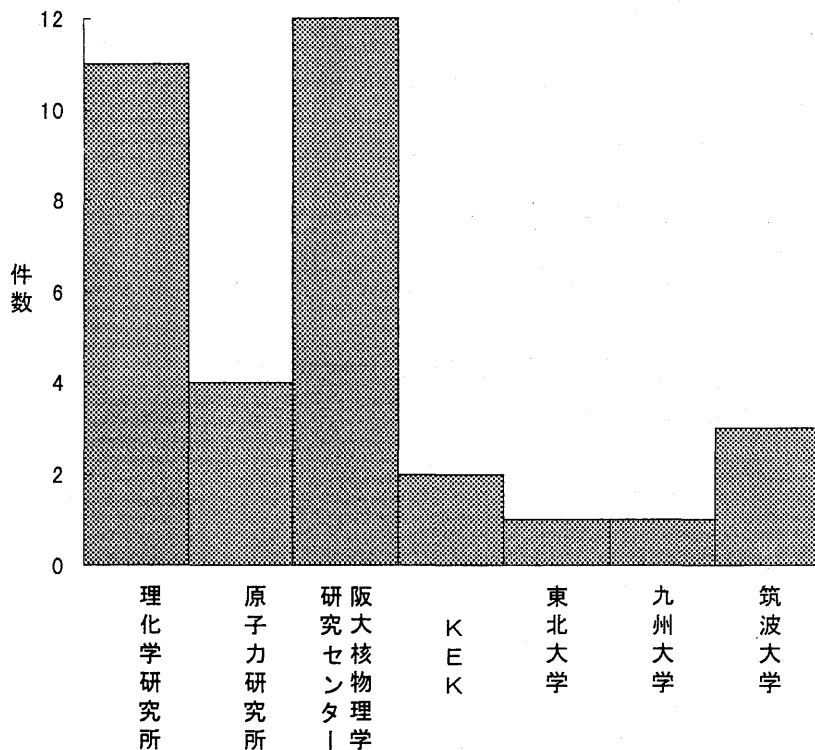
Data Number:1690

[Title] SHELL-MODEL STUDY OF 40CA WITH THE 56MEV (D,P)REACTION

[First Author] Y.UOZUMI

[Journal] Phys.Rev.C50 p263 1994

・今年度入力データに使用された加速器の設置されている研究所毎の論文件数の内訳は以下のとおりである。



II. NRDF データ量

表1は、NRDF に入力されたデータ量を各年度ごとに示したものである。また、そのあとの図1、2に示された2つのグラフは各年度毎の入力データ量とレコード数、およびこれらの累積量を棒グラフに示す。

表1 NRDF データ蓄積量

年度	作成計画		実績		累積	
	レコード量 (レコード数)	データ量 (MB)	レコード量 (レコード数)	データ量 (MB)	レコード量 (レコード数)	データ量 (MB)
1980	—	—	2,144	5.96	2,144	5.96
1981	1,912	5.74	1,824	6.81	3,968	12.77
1982	2,080	7.14	1,801	6.52	5,769	19.29
1983	2,200	7.00	2,252	6.53	8,021	25.82
1984	1,700	5.60	1,703	5.03	9,724	30.85
1985	1,800	5.60	2,170	5.50	11,894	36.35
1986	1,000	3.20	962	3.14	12,856	39.49
1987	1,100	3.50	1,364	3.16	14,220	42.65
1988	1,500	3.50	1,384	3.30	15,604	45.95
1989	1,500	3.20	1,224	3.20	16,828	49.15
1990	1,200	3.20	1,282	2.90	18,110	52.05
1991	1,000	3.00	789	2.20	18,899	54.25
1992	1,000	3.00	1,620	3.00	20,519	57.25
1993	1,000	3.00	1,096	3.09	21,615	60.34
1994	1,000	3.00	1,328	3.00	22,943	63.34
1995	1,000	3.00	200	3.00	23,143	66.34
1996	1,000	3.00	1,176	2.99	24,319	69.33
1997	1,000	3.00	595	1.60	24,914	70.93

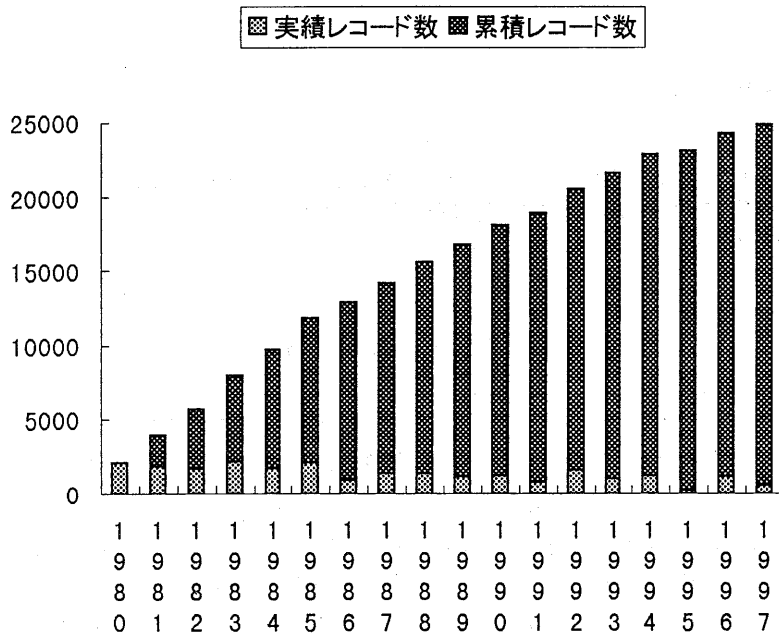


図1 NRDF各年度収録実績レコード数と累積レコード数

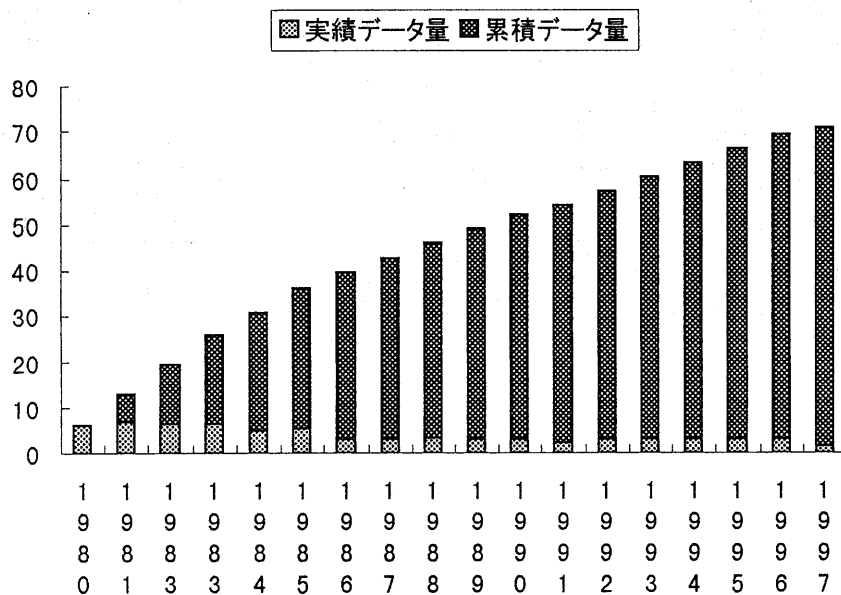


図2 NRDF各年度収録実績データ量と累積データ

Ⅲ. 検索可能な文献数

現在まで収集されたデータのうち検索可能な文献総数は1128件であるが、以下の表2・図3は論文の形で発表された年毎のデータ件数の内訳を示したものである。

表2

年度	論文件数
1968	3
1969	4
1970	3
1971	0
1972	2
1973	21
1974	18
1975	19
1976	19
1977	18
1978	91
1979	151
1980	59
1981	40
1982	90
1983	110
1984	87
1985	68
1986	38
1987	30
1988	45
1989	19
1990	34
1991	17
1992	38
1993	20
1994	27
1995	19
1996	17
1997	20

図3

