

$\bar{N}N(1100-3600)$

OMITTED FROM SUMMARY TABLE

This entry contains various high mass, unflavored structures coupled to the baryon-antibaryon system, as well as quasi-nuclear bound states below threshold.

 $\bar{N}N(1100-3600)$ MASSES AND WIDTHS

We do not use the following data for averages, fits, limits etc.

<u>VALUE (MeV)</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>CHG</u>	<u>COMMENT</u>	
1100 to 3600 OUR LIMIT					
<u>VALUE (MeV)</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>CHG</u>	<u>COMMENT</u>	
1107 ± 4	DAFTARI	87	DBC	0	0. $\bar{p}n \rightarrow \rho^- \pi^+ \pi^-$
111 ± 8 ± 15	DAFTARI	87	DBC	0	0. $\bar{p}n \rightarrow \rho^- \pi^+ \pi^-$
<u>VALUE (MeV)</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>CHG</u>	<u>COMMENT</u>	
1167 ± 7	⁹ CHIBA	91	CNTR		$\bar{p}d \rightarrow \gamma X$
1191.0 ± 9.9	⁹ CHIBA	87	CNTR	0	0. $\bar{p}p \rightarrow \gamma X$
1210 ± 5.0	^{9,10,11,12} RICHTER	83	CNTR	0	Stopped \bar{p}
<u>VALUE (MeV)</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>CHG</u>	<u>COMMENT</u>	
1325 ± 5	⁹ CHIBA	91	CNTR		$\bar{p}d \rightarrow \gamma X$
1329.2 ± 7.6	⁹ CHIBA	87	CNTR	0	0. $\bar{p}p \rightarrow \gamma X$
<u>VALUE (MeV)</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>CHG</u>	<u>COMMENT</u>	
1390.9 ± 6.3	⁹ CHIBA	87	CNTR	0	0. $\bar{p}p \rightarrow \gamma X$
1395	^{9,11,12,13} PAVLOPO...	78	CNTR		Stopped \bar{p}
<u>VALUE (MeV)</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>CHG</u>	<u>COMMENT</u>	
~ 1410	BETTINI	66	DBC	0	0. $\bar{p}N \rightarrow 5\pi$
~ 100	BETTINI	66	DBC	0	0. $\bar{p}N \rightarrow 5\pi$
<u>VALUE (MeV)</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>CHG</u>	<u>COMMENT</u>	
1468 ± 6	¹⁴ BRIDGES	86B	DBC	0	0. $\bar{p}N \rightarrow 2\pi^- \pi^+ \pi^0$
88 ± 18	¹⁴ BRIDGES	86B	DBC	0	0. $\bar{p}N \rightarrow 2\pi^- \pi^+ \pi^0$
<u>VALUE (MeV)</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>CHG</u>	<u>COMMENT</u>	
1512 ± 7	⁹ CHIBA	91	CNTR		$\bar{p}d \rightarrow \gamma X$
1523.8 ± 3.6	⁹ CHIBA	87	CNTR	0	0. $\bar{p}p \rightarrow \gamma X$
1522 ± 7	¹⁴ BRIDGES	86B	DBC	0	0. $\bar{p}N \rightarrow 2\pi^- \pi^+$
59 ± 12	¹⁴ BRIDGES	86B	DBC	0	0. $\bar{p}N \rightarrow 2\pi^- \pi^+$

<u>VALUE (MeV)</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>CHG</u>	<u>COMMENT</u>
1577.8 ± 3.4	⁹ CHIBA	87	CNTR	0. $\bar{p}p \rightarrow \gamma X$
1594 ± 9	¹⁴ BRIDGES	86B	DBC	– 0. $\bar{p}N \rightarrow$
81 ± 12	¹⁴ BRIDGES	86B	DBC	– 0. $\bar{p}N \rightarrow$ $2\pi^- \pi^+ \pi^0$ $2\pi^- \pi^+ \pi^0$
<u>VALUE (MeV)</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>CHG</u>	<u>COMMENT</u>
1633.6 ± 4.1	⁹ CHIBA	87	CNTR	0. $\bar{p}p \rightarrow \gamma X$
1637.1 ^{+5.6} _{–7.3}	ADIELS	84	CNTR	$\bar{p}\text{He}$
<u>VALUE (MeV)</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>CHG</u>	<u>COMMENT</u>
1638 ± 3.0	^{9,10,11,12} RICHTER	83	CNTR	0 Stopped \bar{p}
<u>VALUE (MeV)</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>CHG</u>	<u>COMMENT</u>
1644.0 ^{+5.6} _{–7.3}	ADIELS	84	CNTR	$\bar{p}\text{He}$
<u>VALUE (MeV)</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>CHG</u>	<u>COMMENT</u>
1646	^{9,11,12,13} PAVLOPO...	78	CNTR	Stopped \bar{p}
<u>VALUE (MeV)</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>CHG</u>	<u>COMMENT</u>
1687.1 ^{+5.0} _{–4.3}	ADIELS	84	CNTR	$\bar{p}\text{He}$
1684	^{9,11,12,13} PAVLOPO...	78	CNTR	Stopped \bar{p}
<u>VALUE (MeV)</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>CHG</u>	<u>COMMENT</u>
1693 ± 2	⁹ CHIBA	91	CNTR	$\bar{p}d \rightarrow \gamma X$
1694 ± 2.0	^{9,10,11,12} RICHTER	83	CNTR	0 Stopped \bar{p}
<u>VALUE (MeV)</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>CHG</u>	<u>COMMENT</u>
1713.0 ± 2.6	⁹ CHIBA	87	CNTR	0. $\bar{p}p \rightarrow \gamma X$
<u>VALUE (MeV)</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>CHG</u>	<u>COMMENT</u>
1731.0 ± 1.5	⁹ CHIBA	87	CNTR	0. $\bar{p}p \rightarrow \gamma X$
<u>VALUE (MeV)</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>CHG</u>	<u>COMMENT</u>
1771 ± 1.0	^{9,11,12,15} RICHTER	83	CNTR	0 Stopped \bar{p}
<u>VALUE (MeV)</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>CHG</u>	<u>COMMENT</u>
1812.3 ± 1.2	CHIBA	97	CNTR	$\bar{p}d \rightarrow nX$
3.7 ± 1.3	CHIBA	97	CNTR	$\bar{p}d \rightarrow nX$
<u>VALUE (MeV)</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>CHG</u>	<u>COMMENT</u>
1856.6 ± 5	BRIDGES	86D	SPEC	0. $\bar{p}d \rightarrow \pi\pi N$
20 ± 5	BRIDGES	86D	SPEC	0. $\bar{p}d \rightarrow \pi\pi N$

<u>VALUE (MeV)</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>CHG</u>	<u>COMMENT</u>
1870 ± 10	ANTONELLI	98	SPEC	$e^+e^- \rightarrow n\bar{n}, p\bar{p}$
10 ± 5	ANTONELLI	98	SPEC	$e^+e^- \rightarrow n\bar{n}, p\bar{p}$
~ 1870	16 DALKAROV	97	RVUE	– 0.0 $\bar{p}d \rightarrow p3\pi^-2\pi^+$
~ 10	16 DALKAROV	97	RVUE	– 0.0 $\bar{p}d \rightarrow p3\pi^-2\pi^+$
1873 ± 2.5	BRIDGES	86D	SPEC	0 0. $\bar{p}d \rightarrow \pi\pi N$
< 5	BRIDGES	86D	SPEC	0 0. $\bar{p}d \rightarrow \pi\pi N$

<u>VALUE (MeV)</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>	
1897 ± 17	17 ABASHIAN	76	STRC	8 $\pi^- p \rightarrow p3\pi$
110 ± 82	17 ABASHIAN	76	STRC	8 $\pi^- p \rightarrow p3\pi$
1897 ± 1	KALOGERO...	75	DBC	$\bar{p}n$ annihilation near threshold
25 ± 6	KALOGERO...	75	DBC	$\bar{p}n$ annihilation near threshold

<u>VALUE (MeV)</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>CHG</u>	<u>COMMENT</u>
1910 ± 30	1,18 ANISOVICH	99J	SPEC	0 0.6–1.94 $p\bar{p} \rightarrow \pi\pi, \eta\eta, \eta\eta'$
260 ± 40	1,18 ANISOVICH	99J	SPEC	0 0.6–1.94 $p\bar{p} \rightarrow \pi\pi, \eta\eta, \eta\eta'$

¹ From a fit to the $I^G(J^{PC}) = 0^+(2^{++})$.

<u>VALUE (MeV)</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>	
~ 1920	19 EVANGELISTA	79	OMEG	10,16 $\pi^- p \rightarrow \bar{p}p$
~ 190	EVANGELISTA	79	OMEG	10,16 $\pi^- p \rightarrow \bar{p}p$

<u>VALUE (MeV)</u>	<u>EVTS</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>CHG</u>	<u>COMMENT</u>
1937.3 ^{+1.3} _{-0.7}		20 FRANKLIN	87	SPEC	0.586 $\bar{p}p$
< 3.0		20 FRANKLIN	87	SPEC	0.586 $\bar{p}p$
1930 ± 2		21 ASTON	80D	OMEG	$\gamma p \rightarrow p\bar{p}X$
12 ± 7		21 ASTON	80D	OMEG	$\gamma p \rightarrow p\bar{p}X$
1940 ± 1	36	DAUM	80E	CNTR	0 93 $pp \rightarrow \bar{p}pX$
~ 6.0		DAUM	80E	CNTR	93 $pp \rightarrow \bar{p}pX$
1949 ± 10		22 DEFOIX	80	HBC	0 $\bar{p}p \rightarrow 5\pi$
80 ± 20		22 DEFOIX	80	HBC	0 $\bar{p}p \rightarrow 5\pi$
1939 ± 2		23 HAMILTON	80B	CNTR	0 S channel $\bar{p}p$
22 ± 6		23 HAMILTON	80B	CNTR	0 S channel $\bar{p}p$
1935.5 ± 1.0		SAKAMOTO	79	HBC	0 0.37–0.73 $\bar{p}p$
2.8 ± 1.4		SAKAMOTO	79	HBC	0 0.37–0.73 $\bar{p}p$
1939 ± 3		BRUCKNER	77	SPEC	0 0.4–0.85 $\bar{p}p$

< 4.0	BRUCKNER	77	SPEC	0	0.4–0.85 $\bar{p}p$
1935.9 ± 1.0	24 CHALOUPIKA	76	HBC	0	$\bar{p}p$ total,elastic
8.8 ⁺ _− 4.3 3.2	25 CHALOUPIKA	76	HBC	0	$\bar{p}p$ total,elastic
1942 ± 5	26 D'ANDLAU	75	HBC	0	0.175–0.750 $\bar{p}p$
57.5 ± 5	27 D'ANDLAU	75	HBC	0	0.175–0.750 $\bar{p}p$
1934.4 ⁺ _− 2.6 1.4	28 KALOGERO...	75	DBC	−	$\bar{p}N$ annihilation
11 ⁺ _− 11 4	28 KALOGERO...	75	DBC	−	$\bar{p}N$ annihilation
1932 ± 2	24 CARROLL	74	CNTR		S channel $\bar{p}p \rightarrow d$
9 ⁺ _− 4 3	25 CARROLL	74	CNTR		S channel $\bar{p}p \rightarrow d$
1968	29 BENVENUTI	71	HBC	0	0.1–0.8 $\bar{p}p$
35	29 BENVENUTI	71	HBC	0	0.1–0.8 $\bar{p}p$

<u>VALUE (MeV)</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>CHG</u>	<u>COMMENT</u>	
1990 ⁺ _− 15 30	18 ANISOVICH	99C	SPEC	0.6–1.94 $p\bar{p} \rightarrow \pi^0\eta, \pi^0\eta'$	
190 ± 50	18 ANISOVICH	99C	SPEC	0.6–1.94 $p\bar{p} \rightarrow \pi^0\eta, \pi^0\eta'$	
1949 ± 10	30 DEFOIX	80	HBC	0	0.0–1.2 $\bar{p}p \rightarrow 5\pi$
80 ± 20	30 DEFOIX	80	HBC	0	0.0–1.2 $\bar{p}p \rightarrow 5\pi$

<u>VALUE (MeV)</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>CHG</u>	<u>COMMENT</u>	
1960 ± 15	2,18 ANISOVICH	99J	SPEC	0	0.6–1.94 $p\bar{p} \rightarrow \pi\pi, \eta\eta, \eta\eta'$
150 ± 25	2,18 ANISOVICH	99J	SPEC	0	0.6–1.94 $p\bar{p} \rightarrow \pi\pi, \eta\eta, \eta\eta'$
2005 ± 30	3,18 ANISOVICH	99J	SPEC	0	0.6–1.94 $p\bar{p} \rightarrow \pi\pi, \eta\eta, \eta\eta'$
305 ± 50	3,18 ANISOVICH	99J	SPEC	0	0.6–1.94 $p\bar{p} \rightarrow \pi\pi, \eta\eta, \eta\eta'$
2005 ± 40	4,18 ANISOVICH	99J	SPEC	0	0.6–1.94 $p\bar{p} \rightarrow \pi\pi, \eta\eta, \eta\eta'$
275 ± 75	4,18 ANISOVICH	99J	SPEC	0	0.6–1.94 $p\bar{p} \rightarrow \pi\pi, \eta\eta, \eta\eta'$

² From a fit to the $I^G(J^{PC}) = 1^+(3^{--})$.

³ From a fit to the $I^G(J^{PC}) = 0^+(0^{++})$.

⁴ From a fit to the $I^G(J^{PC}) = 1^+(1^{--})$.

<u>VALUE (MeV)</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>	
2005 ± 25	18,31 ANISOVICH	99E	SPEC	0.6–1.94 $p\bar{p} \rightarrow 3\pi^0$
360 ± 80	18,31 ANISOVICH	99E	SPEC	0.6–1.94 $p\bar{p} \rightarrow 3\pi^0$

<u>VALUE (MeV)</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>
2025 ± 30	18 ANISOVICH	99C SPEC	0.6–1.94 $p\bar{p} \rightarrow \pi^0 \eta, \pi^0 \eta'$
2025 ± 40	18 ANISOVICH	99C SPEC	0.6–1.94 $p\bar{p} \rightarrow \pi^0 \eta, \pi^0 \eta'$
330 ± 75	18 ANISOVICH	99C SPEC	0.6–1.94 $p\bar{p} \rightarrow \pi^0 \eta, \pi^0 \eta'$
250 ⁺⁸⁰ ₋₅₀	18 ANISOVICH	99C SPEC	0.6–1.94 $p\bar{p} \rightarrow \pi^0 \eta, \pi^0 \eta'$
2000 ± 40	18,32 ANISOVICH	99D SPEC	0.6–1.94 $p\bar{p} \rightarrow \pi^0 \pi^0 \eta$
250 ± 40	18,32 ANISOVICH	99D SPEC	0.6–1.94 $p\bar{p} \rightarrow \pi^0 \pi^0 \eta$
2015 ± 3	FERRER	99 RVUE	$\pi p \rightarrow p\rho\bar{p}\pi(\pi)$
2011 ± 7	33 FERRER	93 OMEG	$\pi^- p \rightarrow p\rho\bar{p}\pi^- \pi^0$
25 ⁺¹⁰ ₋₂₅	33 FERRER	93 OMEG	$\pi^- p \rightarrow p\rho\bar{p}\pi^- \pi^0$
2025	GIBBARD	79	$e^- p \rightarrow e^- p\rho\bar{p}$
< 30	GIBBARD	79	$e^- p \rightarrow e^- p\rho\bar{p}$
2020 ± 3	BENKHEIRI	77 OMEG	$\pi^- p \rightarrow p\rho\bar{p}\pi^-$
24 ± 12	BENKHEIRI	77 OMEG	$\pi^- p \rightarrow p\rho\bar{p}\pi^-$

<u>VALUE (MeV)</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>
2020 ± 50	18,34 ANISOVICH	99D SPEC	0.6–1.94 $p\bar{p} \rightarrow \pi^0 \pi^0 \eta$
200 ± 70	18,34 ANISOVICH	99D SPEC	0.6–1.94 $p\bar{p} \rightarrow \pi^0 \pi^0 \eta$

<u>VALUE (MeV)</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>CHG</u>	<u>COMMENT</u>
2020 ± 30	1,18 ANISOVICH	99J SPEC	0	0.6–1.94 $p\bar{p} \rightarrow \pi\pi, \eta\eta, \eta\eta'$
275 ± 35	1,18 ANISOVICH	99J SPEC	0	0.6–1.94 $p\bar{p} \rightarrow \pi\pi, \eta\eta, \eta\eta'$
2020 ± 12	5,18 ANISOVICH	99J SPEC	0	0.6–1.94 $p\bar{p} \rightarrow \pi\pi, \eta\eta, \eta\eta'$
170 ± 15	5,18 ANISOVICH	99J SPEC	0	0.6–1.94 $p\bar{p} \rightarrow \pi\pi, \eta\eta, \eta\eta'$

⁵ From a fit to the $I^G(J^{PC}) = 0^+(4^{++})$.

<u>VALUE (MeV)</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>CHG</u>	<u>COMMENT</u>
2022 ± 6	35 AZOOZ	83 HYBR	+	6 $\bar{p}p \rightarrow p\bar{n}3\pi$
14 ± 13	35 AZOOZ	83 HYBR	+	6 $\bar{p}p \rightarrow p\bar{n}3\pi$

<u>VALUE (MeV)</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>CHG</u>	<u>COMMENT</u>
2023 ± 5	BODENKAMP	83 SPEC	0	$\gamma p \rightarrow \bar{p}pp$
27 ± 12	BODENKAMP	83 SPEC	0	$\gamma p \rightarrow \bar{p}pp$

<u>VALUE (MeV)</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>CHG</u>	<u>COMMENT</u>
2026 ± 5	35 AZOOZ	83 HYBR	-	4 $\bar{p}p \rightarrow \bar{p}n3\pi$
20 ± 11	35 AZOOZ	83 HYBR	-	4 $\bar{p}p \rightarrow \bar{p}n3\pi$

<u>VALUE (MeV)</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>
2040 ± 40	18,36 ANISOVICH	99D SPEC	0.6–1.94 $p\bar{p} \rightarrow \pi^0 \pi^0 \eta$
190 ± 40	18,36 ANISOVICH	99D SPEC	0.6–1.94 $p\bar{p} \rightarrow \pi^0 \pi^0 \eta$

<u>VALUE (MeV)</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>CHG</u>	<u>COMMENT</u>
2060 ± 20	18 ANISOVICH	99	SPEC	$\bar{p}p \rightarrow \pi^0 \eta, \pi^0 \eta'$
195 ± 30	18 ANISOVICH	99	SPEC	$\bar{p}p \rightarrow \pi^0 \eta, \pi^0 \eta'$
2080 ± 10	37 KREYMER	80	STRC	0 13 $\pi^- d \rightarrow$ $p\bar{p}n(n)$
110 ± 20	37 KREYMER	80	STRC	0 13 $\pi^- d \rightarrow$ $p\bar{p}n(n)$
<u>VALUE (MeV)</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>	
2070 ± 20	18,38 ANISOVICH	99E	SPEC	0.6–1.94 $p\bar{p} \rightarrow 3\pi^0$
170 ± 40	18,38 ANISOVICH	99E	SPEC	0.6–1.94 $p\bar{p} \rightarrow 3\pi^0$
<u>VALUE (MeV)</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>	
2090 ± 20	39 KREYMER	80	STRC	13 $\pi^- d \rightarrow n p\bar{p}\pi^- p$
170 ± 50	39 KREYMER	80	STRC	13 $\pi^- d \rightarrow n p\bar{p}\pi^- p$
<u>VALUE (MeV)</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>	
~ 2110	40 EVANGELISTA	79	OMEG	10,16 $\pi^- p \rightarrow \bar{p}p$
~ 330	40 EVANGELISTA	79	OMEG	10,16 $\pi^- p \rightarrow \bar{p}p$
<u>VALUE (MeV)</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>	
2100 ⁺¹⁰ ₋₃₀	18,41 ANISOVICH	99E	SPEC	0.6–1.94 $p\bar{p} \rightarrow 3\pi^0$
360 ⁺⁴⁰ ₋₁₀₀	18,41 ANISOVICH	99E	SPEC	0.6–1.94 $p\bar{p} \rightarrow 3\pi^0$
<u>VALUE (MeV)</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>	
2100 ± 20	18,42 ANISOVICH	99E	SPEC	0.6–1.94 $p\bar{p} \rightarrow 3\pi^0$
300 ⁺³⁰ ₋₆₀	18,42 ANISOVICH	99E	SPEC	0.6–1.94 $p\bar{p} \rightarrow 3\pi^0$
<u>VALUE (MeV)</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>CHG</u>	<u>COMMENT</u>
2105 ± 15	3,18 ANISOVICH	99J	SPEC	0 0.6–1.94 $p\bar{p} \rightarrow$ $\pi\pi, \eta\eta, \eta\eta'$
200 ± 25	3,18 ANISOVICH	99J	SPEC	0 0.6–1.94 $p\bar{p} \rightarrow$ $\pi\pi, \eta\eta, \eta\eta'$
<u>VALUE (MeV)</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>	
2110 ± 10	43 ROZANSKA	80	SPRK	18 $\pi^- p \rightarrow p\bar{p}n$
190 ± 10	43 ROZANSKA	80	SPRK	18 $\pi^- p \rightarrow p\bar{p}n$
<u>VALUE (MeV)</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>	
2140 ± 30	18,44 ANISOVICH	99D	SPEC	0.6–1.94 $p\bar{p} \rightarrow \pi^0 \pi^0 \eta$
150 ± 30	18,44 ANISOVICH	99D	SPEC	0.6–1.94 $p\bar{p} \rightarrow \pi^0 \pi^0 \eta$
<u>VALUE (MeV)</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>CHG</u>	<u>COMMENT</u>
2141	45 DONALD	73	HBC	0 $\bar{p}p$ S channel
14	45 DONALD	73	HBC	0 $\bar{p}p$ S channel

<u>VALUE (MeV)</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>CHG</u>	<u>COMMENT</u>
2165 ± 45	4,18 ANISOVICH	99J SPEC	0	0.6–1.94 $p\bar{p} \rightarrow \pi\pi, \eta\eta, \eta\eta'$
160 ⁺¹⁴⁰ ₋₇₀	4,18 ANISOVICH	99J SPEC	0	0.6–1.94 $p\bar{p} \rightarrow \pi\pi, \eta\eta, \eta\eta'$
<u>VALUE (MeV)</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>CHG</u>	<u>COMMENT</u>
2180 ± 10	46 ROZANSKA	80 SPRK	18	$\pi^- p \rightarrow p\bar{p}n$
270 ± 10	46 ROZANSKA	80 SPRK	18	$\pi^- p \rightarrow p\bar{p}n$
<u>VALUE (MeV)</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>CHG</u>	<u>COMMENT</u>
2207 ± 13	47 ALLES-...	67B HBC	0	5.7 $\bar{p}p$
62 ± 52	47 ALLES-...	67B HBC	0	5.7 $\bar{p}p$
<u>VALUE (MeV)</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>CHG</u>	<u>COMMENT</u>
2210 ⁺⁷⁹ ₋₂₁	EVANGELISTA 79B	OMEG	10	$\pi^- p \rightarrow K^+ K^- n$
~ 203	EVANGELISTA 79B	OMEG	10	$\pi^- p \rightarrow K^+ K^- n$
<u>VALUE (MeV)</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>CHG</u>	<u>COMMENT</u>
2210 ± 40	2,18 ANISOVICH	99J SPEC	0	0.6–1.94 $p\bar{p} \rightarrow \pi\pi, \eta\eta, \eta\eta'$
360 ± 55	2,18 ANISOVICH	99J SPEC	0	0.6–1.94 $p\bar{p} \rightarrow \pi\pi, \eta\eta, \eta\eta'$
<u>VALUE (MeV)</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>CHG</u>	<u>COMMENT</u>
~ 2229.2	CARBONELL	93 RVUE		$\bar{p}p \rightarrow \Lambda\bar{\Lambda}$
~ 1.8	CARBONELL	93 RVUE		$\bar{p}p \rightarrow \Lambda\bar{\Lambda}$
<u>VALUE (MeV)</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>CHG</u>	<u>COMMENT</u>
2230 ± 30	1,18 ANISOVICH	99J SPEC	0	0.6–1.94 $p\bar{p} \rightarrow \pi\pi, \eta\eta, \eta\eta'$
245 ± 45	1,18 ANISOVICH	99J SPEC	0	0.6–1.94 $p\bar{p} \rightarrow \pi\pi, \eta\eta, \eta\eta'$
<u>VALUE (MeV)</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>CHG</u>	<u>COMMENT</u>
2240 ± 40	18,34 ANISOVICH	99D SPEC		0.6–1.94 $p\bar{p} \rightarrow \pi^0\pi^0\eta$
170 ± 50	18,34 ANISOVICH	99D SPEC		0.6–1.94 $p\bar{p} \rightarrow \pi^0\pi^0\eta$
<u>VALUE (MeV)</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>CHG</u>	<u>COMMENT</u>
2260 ± 15	18,31 ANISOVICH	99E SPEC		0.6–1.94 $p\bar{p} \rightarrow 3\pi^0$
180 ± 20	18,31 ANISOVICH	99E SPEC		0.6–1.94 $p\bar{p} \rightarrow 3\pi^0$
<u>VALUE (MeV)</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>CHG</u>	<u>COMMENT</u>
2265 ± 20	18 ANISOVICH	99C SPEC		0.6–1.94 $p\bar{p} \rightarrow \pi^0\eta, \pi^0\eta'$
235 ⁺⁶⁰ ₋₃₅	18 ANISOVICH	99C SPEC		0.6–1.94 $p\bar{p} \rightarrow \pi^0\eta, \pi^0\eta'$
~ 2260	48 EVANGELISTA 79	OMEG	10,16	$\pi^- p \rightarrow \bar{p}p$
~ 440	48 EVANGELISTA 79	OMEG	10,16	$\pi^- p \rightarrow \bar{p}p$

<u>VALUE (MeV)</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>	
2280 ± 30	18,49 ANISOVICH	99D SPEC	0.6–1.94 $p\bar{p} \rightarrow \pi^0\pi^0\eta$	
210 ± 30	18,49 ANISOVICH	99D SPEC	0.6–1.94 $p\bar{p} \rightarrow \pi^0\pi^0\eta$	
<u>VALUE (MeV)</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>	
2280 ± 30	18,41 ANISOVICH	99E SPEC	0.6–1.94 $p\bar{p} \rightarrow 3\pi^0$	
280 ± 50	18,41 ANISOVICH	99E SPEC	0.6–1.94 $p\bar{p} \rightarrow 3\pi^0$	
<u>VALUE (MeV)</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>CHG</u>	<u>COMMENT</u>
2295 ± 30	6,18 ANISOVICH	99J SPEC	0	0.6–1.94 $p\bar{p} \rightarrow \pi\pi, \eta\eta, \eta\eta'$
235 ⁺⁶⁵ ₋₄₀	6,18 ANISOVICH	99J SPEC	0	0.6–1.94 $p\bar{p} \rightarrow \pi\pi, \eta\eta, \eta\eta'$
⁶ From a fit to the $I^G(J^{PC}) = 1^+(5^{--})$.				
<u>VALUE (MeV)</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>CHG</u>	<u>COMMENT</u>
2300 ± 20	18 ANISOVICH	99C SPEC		0.6–1.94 $p\bar{p} \rightarrow \pi^0\eta, \pi^0\eta'$
230 ± 40	18 ANISOVICH	99C SPEC		0.6–1.94 $p\bar{p} \rightarrow \pi^0\eta, \pi^0\eta'$
2307 ± 6	ALPER	80 CNTR	0	62 $\pi^- p \rightarrow K^+ K^- n$
245 ± 20	ALPER	80 CNTR	0	62 $\pi^- p \rightarrow K^+ K^- n$
<u>VALUE (MeV)</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>	
2300 ± 40	18,36 ANISOVICH	99D SPEC	0.6–1.94 $p\bar{p} \rightarrow \pi^0\pi^0\eta$	
270 ± 40	18,36 ANISOVICH	99D SPEC	0.6–1.94 $p\bar{p} \rightarrow \pi^0\pi^0\eta$	
<u>VALUE (MeV)</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>CHG</u>	<u>COMMENT</u>
2300 ± 35	1,18 ANISOVICH	99J SPEC	0	0.6–1.94 $p\bar{p} \rightarrow \pi\pi, \eta\eta, \eta\eta'$
290 ± 50	1,18 ANISOVICH	99J SPEC	0	0.6–1.94 $p\bar{p} \rightarrow \pi\pi, \eta\eta, \eta\eta'$
2300 ⁺⁵⁰ ₋₈₀	2,18 ANISOVICH	99J SPEC	0	0.6–1.94 $p\bar{p} \rightarrow \pi\pi, \eta\eta, \eta\eta'$
340 ± 150	2,18 ANISOVICH	99J SPEC	0	0.6–1.94 $p\bar{p} \rightarrow \pi\pi, \eta\eta, \eta\eta'$
2300 ± 25	5,18 ANISOVICH	99J SPEC	0	0.6–1.94 $p\bar{p} \rightarrow \pi\pi, \eta\eta, \eta\eta'$
270 ± 50	5,18 ANISOVICH	99J SPEC	0	0.6–1.94 $p\bar{p} \rightarrow \pi\pi, \eta\eta, \eta\eta'$
2320 ± 30	ANISOVICH	99J SPEC	0	0.6–1.94 $p\bar{p} \rightarrow \pi\pi, \eta\eta, \eta\eta'$
175 ± 45	ANISOVICH	99J SPEC	0	0.6–1.94 $p\bar{p} \rightarrow \pi\pi, \eta\eta, \eta\eta'$

VALUE (MeV)	DOCUMENT ID	TECN	COMMENT
2320 ± 30	18,50 ANISOVICH	99D SPEC	0.6–1.94 $p\bar{p} \rightarrow \pi^0\pi^0\eta$
220 ± 30	18,50 ANISOVICH	99D SPEC	0.6–1.94 $p\bar{p} \rightarrow \pi^0\pi^0\eta$
2310 ± 40	18,38 ANISOVICH	99E SPEC	0.6–1.94 $p\bar{p} \rightarrow 3\pi^0$
180 ⁺¹² ₋₆₀	18,38 ANISOVICH	99E SPEC	0.6–1.94 $p\bar{p} \rightarrow 3\pi^0$

VALUE (MeV)	DOCUMENT ID	TECN	COMMENT
2231.9 ± 0.1	51 BARNES	94 SPEC	0–46 $\bar{p}p \rightarrow \bar{\Lambda}\Lambda$
0.59 ± 0.25	51 BARNES	94 SPEC	0–46 $\bar{p}p \rightarrow \bar{\Lambda}\Lambda$

VALUE (MeV)	DOCUMENT ID	TECN	COMMENT
2340 ± 40	18,42 ANISOVICH	99E SPEC	0.6–1.94 $p\bar{p} \rightarrow 3\pi^0$
230 ± 70	18,42 ANISOVICH	99E SPEC	0.6–1.94 $p\bar{p} \rightarrow 3\pi^0$

VALUE (MeV)	DOCUMENT ID	TECN	COMMENT
2340 ± 40	18,44 ANISOVICH	99D SPEC	0.6–1.94 $p\bar{p} \rightarrow \pi^0\pi^0\eta$
340 ± 40	18,44 ANISOVICH	99D SPEC	0.6–1.94 $p\bar{p} \rightarrow \pi^0\pi^0\eta$

VALUE (MeV)	DOCUMENT ID	TECN	COMMENT
2370 ± 50	18,34 ANISOVICH	99D SPEC	0.6–1.94 $p\bar{p} \rightarrow \pi^0\pi^0\eta$
320 ± 50	18,34 ANISOVICH	99D SPEC	0.6–1.94 $p\bar{p} \rightarrow \pi^0\pi^0\eta$

VALUE (MeV)	DOCUMENT ID	TECN	COMMENT
2380 ± 10	52 ROZANSKA	80 SPRK	18 $\pi^- p \rightarrow p\bar{p}n$
380 ± 20	52 ROZANSKA	80 SPRK	18 $\pi^- p \rightarrow p\bar{p}n$

VALUE (MeV)	DOCUMENT ID	TECN	COMMENT
2450 ± 10	53 ROZANSKA	80 SPRK	18 $\pi^- p \rightarrow p\bar{p}n$
280 ± 20	53 ROZANSKA	80 SPRK	18 $\pi^- p \rightarrow p\bar{p}n$

VALUE (MeV)	DOCUMENT ID	TECN	CHG	COMMENT
2485 ± 40	7,8 ANISOVICH	99J SPEC	0	0.79–2.43 $p\bar{p} \rightarrow \pi\pi$
410 ± 90	7,8 ANISOVICH	99J SPEC	0	0.79–2.43 $p\bar{p} \rightarrow \pi\pi$
~ 2500	6,7 ANISOVICH	99J SPEC	0	0.79–2.43 $p\bar{p} \rightarrow \pi\pi$
~ 470	6,7 ANISOVICH	99J SPEC	0	0.79–2.43 $p\bar{p} \rightarrow \pi\pi$

⁷ Using data of EISENHANDLER 75 and CARTER 77.

⁸ From a fit to the $I^G(J^{PC}) = 0^+(6^{++})$.

VALUE (MeV)	DOCUMENT ID	TECN	CHG	COMMENT
2480 ± 30	54 CARTER	77 CNTR	0	0.7–2.4 $\bar{p}p \rightarrow \pi\pi$
210 ± 25	54 CARTER	77 CNTR	0	0.7–2.4 $\bar{p}p \rightarrow \pi\pi$

VALUE (MeV)	DOCUMENT ID	TECN	CHG	COMMENT
~ 2500	55 CARTER	78B CNTR	0	0.7–2.4 $\bar{p}p \rightarrow K^-K^+$
~ 150	55 CARTER	78B CNTR	0	0.7–2.4 $\bar{p}p \rightarrow K^-K^+$

<u>VALUE (MeV)</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>CHG</u>	<u>COMMENT</u>
~ 2620	1,7 ANISOVICH 99J	SPEC	0	0.79–2.43 $p\bar{p} \rightarrow \pi\pi$
~ 430	1,7 ANISOVICH 99J	SPEC	0	0.79–2.43 $p\bar{p} \rightarrow \pi\pi$
<u>VALUE (MeV)</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>CHG</u>	<u>COMMENT</u>
2710±20	ROZANSKA 80	SPRK	18	$\pi^- p \rightarrow p\bar{p}n$
170±40	ROZANSKA 80	SPRK	18	$\pi^- p \rightarrow p\bar{p}n$
<u>VALUE (MeV)</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>CHG</u>	<u>COMMENT</u>
2850±5	56 BRAUN 76	DBC	–	5.5 $\bar{p}d \rightarrow N\bar{N}\pi$
< 39	56 BRAUN 76	DBC	–	5.5 $\bar{p}d \rightarrow N\bar{N}\pi$
<u>VALUE (MeV)</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>CHG</u>	<u>COMMENT</u>
3370±10	57 ALEXANDER 72	HBC	0	6.94 $\bar{p}p$
150±40	57 ALEXANDER 72	HBC	0	6.94 $\bar{p}p$
<u>VALUE (MeV)</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>CHG</u>	<u>COMMENT</u>
3600±20	57 ALEXANDER 72	HBC	0	6.94 $\bar{p}p$
140±20	57 ALEXANDER 72	HBC	0	6.94 $\bar{p}p$

⁹ Not seen by GRAF 91.

¹⁰ Not seen by CHIBA 88, ANGELOPOULOS 86, ADIELS 86.

¹¹ They looked for radiative transitions to bound $p\bar{p}$ states, mono-energetic γ rays detected.

¹² Observed widths consistent with experimental resolution.

¹³ Not seen by ADIELS 86.

¹⁴ From analysis of difference of π^- and π^+ spectra.

¹⁵ Not seen by CHIBA 88, ANGELOPOULOS 86.

¹⁶ From a phenomenological analysis of ASTERIX data.

¹⁷ Produced backwards.

¹⁸ Using preliminary Crystal Barrel data.

¹⁹ $I(J^P) = 1(1^-)$ from a mass dependent partial-wave analysis taking solution A.

²⁰ From reanalysis of data from JASTRZEMBSKI 81.

²¹ Not seen by BUSENITZ 89.

²² From energy dependence of 5π cross section. $I^G = 1^-$ from observation of $\omega\rho$ decay. $P = +$ and $J > 1$. $a_2(1320)\pi\pi$ also seen.

²³ $I = 0$ favored, $J = 0$ or 1, seen in total $\bar{p}p$ total cross section. Primarily from annihilation reactions. Not seen in $\bar{p}d$ total and annihilation cross sections.

²⁴ Narrow bump seen in total $\bar{p}p$, $\bar{p}d$ cross sections. Isospin uncertain. Not seen in $\bar{p}p$ charge exchange by ALSTON-GARNJOST 75, CHALOUPKA 76. Integrated cross section three times larger than BRUCKNER 77.

²⁵ Narrow bump seen in total $\bar{p}p$, $\bar{p}d$ cross sections. Isospin uncertain. Not seen in $\bar{p}p$ charge exchange by ALSTON-GARNJOST 75, CHALOUPKA 76. Integrated cross section three times larger than BRUCKNER 77. Not seen by CLOUGH 84.

²⁶ From energy dependence of far backward elastic scattering. Some indication of additional structure.

²⁷ From energy dependence of far backward elastic scattering. Some indication of additional structure.

²⁸ Not seen by ALBERI 79 with comparable statistics.

²⁹ Seen as a bump in the $\bar{p}p \rightarrow K_S^0 K_L^0$ cross section with $J^{PC} = 1^- -$.

³⁰ Isospin 1 favored.

³¹ From a fit to the $I^G(J^{PC}) = 1^+(4^{++}) f_2(1270)\pi$ wave.

- 32 From a fit to the $I^G(J^{PC}) = 0^+(3^{++}) \pi^0 \pi^0 \eta$ wave.
 33 Not seen by AJALTOUNI 82, ARMSTRONG 79, BUZZO 97.
 34 From a fit to the $I^G(J^{PC}) = 0^+(2^{++}) \pi^0 \pi^0 \eta$ wave.
 35 Not seen by BIONTA 80, CARROLL 80, HAMILTON 80, BANKS 81, CHUNG 81, BARNETT 83.
 36 From a fit to the $I^G(J^{PC}) = 0^+(2^{-+}) \pi^0 \pi^0 \eta$ wave.
 37 Neutron spectator. See also $np\bar{p}\pi^-(p)$ channel following.
 38 From a fit to the $I^G(J^{PC}) = 1^+(3^{++}) f_2(1270)\pi$ wave.
 39 Proton spectator. See also $p\bar{p}n(n)$ channel above.
 40 $I(J^P) = 1(3^-)$ from a mass dependent partial-wave analysis taking solution A.
 41 From a fit to the $I^G(J^{PC}) = 1^+(2^{++}) f_2(1270)\pi$ wave.
 42 From a fit to the $I^G(J^{PC}) = 1^+(1^{++}) f_2(1270)\pi$ wave.
 43 $I(J^P) = 1(3^-)$ from amplitude analysis assuming one-pion exchange.
 44 From a fit to the $I^G(J^{PC}) = 0^+(1^{++}) \pi^0 \pi^0 \eta$ wave.
 45 Seen in final state $\omega\pi^+\pi^-$.
 46 $I(J^P) = 0(2^+)$ from amplitude analysis assuming one-pion exchange.
 47 ALLES-BORELLI 67B see neutral mode only $\pi^+\pi^-\pi^0$.
 48 $I(J^P) = 0(4^+)$ from a mass dependent partial-wave analysis taking solution A.
 49 From a fit to the $I^G(J^{PC}) = 0^+(3^{++}) \pi^0 \pi^0 \eta$ wave.
 50 From a fit to the $I^G(J^{PC}) = 0^+(4^{++}) \pi^0 \pi^0 \eta$ wave.
 51 Supersedes CARBONELL 93.
 52 $I(J^P) = 0(4^+)$ from amplitude analysis assuming one-pion exchange.
 53 $I(J^P) = 1(5^-)$ from amplitude analysis assuming one-pion exchange.
 54 $I(J^P) = 1(5^-)$ from amplitude analysis of $\bar{p}p \rightarrow \pi\pi$.
 55 $|=0,1 J^P = 5^-$ from Barrelet-zero analysis.
 56 Decays to $\bar{N}N$ and $\bar{N}N\pi$. Not seen by BARNETT 83.
 57 Decays to $4\pi^+4\pi^-$.

$\bar{N}N(1100-3600)$ REFERENCES

ANISOVICH	99	PL B449 145	A.V. Anisovich <i>et al.</i>
ANISOVICH	99C	PL B452 173	A.V. Anisovich <i>et al.</i>
ANISOVICH	99D	PL B452 180	A.V. Anisovich <i>et al.</i>
Also	99F	NP A651 253	A.V. Anisovich <i>et al.</i>
ANISOVICH	99E	PL B452 187	A.V. Anisovich <i>et al.</i>
ANISOVICH	99J	PL B471 271	A.V. Anisovich <i>et al.</i>
FERRER	99	EPJ C10 249	A. Ferrer <i>et al.</i>
ANTONELLI	98	NP B517 3	A. Antonelli <i>et al.</i> (FENICE Collab.)
BUZZO	97	ZPHY C76 475	A. Buzzo <i>et al.</i> (JETSET Collab.)
CHIBA	97	PR D55 40	M. Chiba <i>et al.</i> (FUKI, INUS, KEK, SANG+)
DALKAROV	97	PL B392 229	O.D. Dalkarov <i>et al.</i> (LEBD)
BARNES	94	PL B331 203	P.D. Barnes <i>et al.</i> (PS185 Collab.)
CARBONELL	93	PL B306 407	J. Carbonell, K.V. Protasov, O.D. Dalkarov (ISNG+)
FERRER	93	NP A558 191c	A. Ferrer, A.A. Grigorian (WA56 Collab.)
CHIBA	91	PR D44 1933	M. Chiba <i>et al.</i> (FUKI, KEK, SANG, OSAK+)
GRAF	91	PR D44 1945	N.A. Graf <i>et al.</i> (UCI, PENN, NMSU, KARLK+)
BUSENITZ	89	PR D40 1	J.K. Busenitz <i>et al.</i> (ILL, FNAL)
CHIBA	88	PL B202 447	M. Chiba, K. Doi (FUKI, INUS, KEK, SANG, OSAK+)
CHIBA	87	PR D36 3321	M. Chiba <i>et al.</i> (FUKI, INUS, KEK, SANG+)
DAFTARI	87	PRL 58 859	I.K. Daftari <i>et al.</i> (SYRA)
FRANKLIN	87	PL B184 81	J. Franklin
ADIELS	86	PL B182 405	L. Adiels <i>et al.</i> (STOH, BASL, LASL, THES+)
ANGELOPO... BRIDGES	86	PL B178 441	A. Angelopoulos <i>et al.</i> (ATHU, UCI, KARLK+)
BRIDGES	86B	PRL 56 215	D.L. Bridges <i>et al.</i> (SYRA, CASE)
BRIDGES	86D	PL B180 313	D.L. Bridges <i>et al.</i> (SYRA, BNL, CASE+)
ADIELS	84	PL 138B 235	L. Adiels <i>et al.</i> (BASL, KARLK, KARLE, STOH+)
CLOUGH	84	PL 146B 299	A.S. Clough <i>et al.</i> (SURR, LOQM, ANIK+)
AZOOZ	83	PL 122B 471	F. Azooz, I. Butterworth (LOIC, RHEL, SACL+)
BARNETT	83	PR D27 493	B. Barnett <i>et al.</i> (JHU)
BODENKAMP	83	PL 133B 275	J. Bodenkamp <i>et al.</i> (KARLK, KARLE, DESY)

RICHTER	83	PL 126B 284	B. Richter, L. Adiels	(BASL, KARLK, KARLE, STO+)
AJALTOUNI	82	NP B209 301	Z. Ajaltouni <i>et al.</i>	(CERN, NEUC+)
BANKS	81	PL 100B 191	A.D. Banks <i>et al.</i>	(LIVP, CERN)
CHUNG	81	PRL 46 395	S.U. Chung <i>et al.</i>	(BNL, BRAN, CINC+)
JASTRZEM...	81	PR D23 2784	E. Jastrzembski <i>et al.</i>	(TEMP, UCI, UNM)
ALPER	80	PL 94B 422	B. Alper <i>et al.</i>	(AMST, CERN, CRAC, MPIM+)
ASTON	80D	PL 93B 517	D. Aston	(BONN, CERN, EPOL, GLAS, LANC+)
BIONTA	80	PRL 44 909	R.M. Bionta <i>et al.</i>	(BNL, CMU, FNAL+)
CARROLL	80	PRL 44 1572	A.S. Carroll <i>et al.</i>	(BNL, PRIN)
DAUM	80E	PL 90B 475	C. Daum <i>et al.</i>	(AMST, CERN, CRAC, MPIM+)
DEFOIX	80	NP B162 12	C. Defoix <i>et al.</i>	(CDEF, PISA)
HAMILTON	80	PRL 44 1179	R.P. Hamilton <i>et al.</i>	(LBL, BNL, MTHO)
HAMILTON	80B	PRL 44 1182	R.P. Hamilton <i>et al.</i>	(LBL, BNL, MTHO)
KREYMER	80	PR D22 36	A.E. Kreymer <i>et al.</i>	(IND, PURD, SLAC+)
ROZANSKA	80	NP B162 505	M. Rozanska <i>et al.</i>	(MPIM, CERN)
ALBERI	79	PL 83B 247	G. Alberi <i>et al.</i>	(TRST, CERN, IFRJ)
ARMSTRONG	79	PL B85 304	T.A. Armstrong <i>et al.</i>	(DESY, GLAS)
EVANGELISTA	79	NP B153 253	C. Evangelista <i>et al.</i>	(BARI, BONN, CERN+)
EVANGELISTA	79B	NP B154 381	C. Evangelista <i>et al.</i>	(BARI, BONN, CERN+)
GIBBARD	79	PRL 42 1593	B.G. Gibbard <i>et al.</i>	(CORN)
SAKAMOTO	79	NP B158 410	S. Sakamoto <i>et al.</i>	(INUS)
CARTER	78B	NP B141 467	A.A. Carter	(LOQM)
PAVLOPO...	78	PL 72B 415	P. Pavlopoulos <i>et al.</i>	(KARLK, KARLE, BASL+)
BENKHEIRI	77	PL 68B 483	P. Benkheiri <i>et al.</i>	(CERN, CDEF, EPOL+)
BRUCKNER	77	PL 67B 222	W. Bruckner <i>et al.</i>	(MPIH, HEIDP, CERN)
CARTER	77	PL 67B 117	A.A. Carter <i>et al.</i>	(LOQM, RHEL) JP
ABASHIAN	76	PR D13 5	A. Abashian <i>et al.</i>	(ILL, ANL, CHIC+)
BRAUN	76	PL 60B 481	H.M. Braun <i>et al.</i>	(STRB)
CHALOUPKA	76	PL 61B 487	V. Chaloupka <i>et al.</i>	(CERN, LIVP, MONS+)
ALSTON-...	75	PRL 35 1685	M. Alston-Garnjost <i>et al.</i>	(LBL, MTHO)
D'ANDLAU	75	PL 58B 223	C. d'Andlau <i>et al.</i>	(CDEF, PISA)
EISENHAND...	75	NP B96 109	E. Eisenhandler <i>et al.</i>	(LOQM, LIVP, DARE+)
KALOGERO...	75	PRL 34 1047	T. Kalogeropoulos, G.S. Tzanakos	(SYRA)
CARROLL	74	PRL 32 247	A.S. Carroll <i>et al.</i>	(BNL)
DONALD	73	NP B61 333	R.A. Donald <i>et al.</i>	(LIVP, PARIS)
ALEXANDER	72	NP B45 29	G. Alexander <i>et al.</i>	(TELA)
BENVENUTI	71	PRL 27 283	A.C. Benvenuti <i>et al.</i>	(WISC)
ALLES-...	67B	NC 50A 776	V. Alles-Borelli <i>et al.</i>	(CERN, BONN) G
BETTINI	66	NC 42A 695	A. Bettini <i>et al.</i>	(PADO, PISA)

OTHER RELATED PAPERS

ANISOVICH	99F	NP A651 253	A.V. Anisovich <i>et al.</i>	
CHIBA	99	PR C60 035204	M. Chiba <i>et al.</i>	
BUZZO	97	ZPHY C76 475	A. Buzzo <i>et al.</i>	(JETSET Collab.)
TANIMORI	90	PR D41 744	T. Tanimori <i>et al.</i>	(KEK, INUS, KYOT+)
LIU	87	PRL 58 2288	K.F. Liu, Kiu, B.A. Li	(STON)
ARMSTRONG	86C	PL B175 383	T.A. Armstrong <i>et al.</i>	(BNL, HOUS, PENN+)
BRIDGES	86	PRL 56 211	D.L. Bridges <i>et al.</i>	(BLSU, BNL, CASE+)
BRIDGES	86C	PRL 57 1534	D.L. Bridges <i>et al.</i>	(SYRA) JP
DOVER	86	PRL 57 1207	C.B. Dover <i>et al.</i>	(BNL) JP
ANGELOPO...	85	PL 159B 210	A. Angelopoulos <i>et al.</i>	(ATHU, UCI, UNM+)
BODENKAMP	85	NP B255 717	J. Bodenkamp <i>et al.</i>	(KARLK, KARLE, DESY)
AZOOZ	84	NP B244 277	F. Azooz, I. Butterworth	(LOIC, RHEL, SACL+)