FILE_NAME
REACTION

BEAM_MASS TARGET_MASS THRESHOLD FINAL_STATE_MULTIPLICITY

NUMBER_OF_DATA_POINTS
POINT NUMBER PLAB(GEV/C) PLAB MIN PLAB MAX SIG(MB) STA ERR+ STA ERR- SY ER+(PCT) SY ER-(PCT) REFERENCE FLAB

POINT_NUMBER PLAB(GEV/C) PLAB_MIN PLAB_MAX SIG(MB) STA_ERR+ STA_ERR- SY_ER+(PCT) SY_ER-(PCT) REFERENCE FLAG FORMAT(I5,1X,4F11.5,2F8.4,1X,2F6.1,A) PBARP ELASTIC.DAT PBAR P --> P PBAR 0.938270 0.938270 0. 141 0.15367 0.09699 0.19476 93.700 20.000 20.000 HOSSAIN 65 0.0 0.0 NC 38, 737 15.000 0.0 0.23916 0.19476 0.27688 89.000 15.000 0.0 HOSSAIN 65 NC 38, 737 0.0 CORK 62 0.29406 0.21803 0.35525 80.000 10.000 10.000 0.0 NC 25, 497 1.9000 0.0 CHALOUPKA 76 PL 61B, 487 0.30600 0.30600 74.700 1.9000 0.0 0.30600 16.000 16.000 0.0 HOSSAIN 65 NC 38, 737 0.31037 0.27688 0.34087 86.500 0.0 1.9000 0.33600 0.33600 0.33600 75.700 1.9000 0.0 0.0 CHALOUPKA 76 PL 61B, 487 0.38522 0.34870 0.30845 77.600 3.3000 3.3000 0.0 0.0 CONFORTO 68 NC A54, 441 1.8000 0.0 0.0 PL 61B, 487 0.36000 0.36000 0.36000 73.100 1.8000 CHALOUPKA 76 1.7000 0.0 PL 61B, 487 0.38100 0.38100 0.38100 71.100 1.7000 0.0 CHALOUPKA 76 1.7000 CHALOUPKA 76 PL 61B, 487 0.39900 0.39900 0.39900 68.000 1.7000 0.0 0.0 2.8000 0.0 0.40455 0.37725 0.43038 71.100 2.8000 0.0 CONFORTO 68 NC A54, 441 1.6000 0.0 0.41600 0.41600 0.41600 65.500 1.6000 0.0 CHALOUPKA 76 PL 61B, 487 6.0000 6.0000 0.0 CORK 62 NC 25, 497 0.42070 0.36913 0.46746 66.000 0.0 1.6000 0.43100 0.43100 0.43100 66.400 1.6000 0.0 0.0 CHALOUPKA 76 PL 61B, 487 0.44412 0.42241 0.46499 2.5000 2.5000 0.0 0.0 CONFORTO 68 NC A54, 441 68.700 0.44500 1.5000 0.0 CHALOUPKA 76 0.44500 63.600 1.5000 0.0 PL 61B, 487 0.44500 16 1.5000 0.0 PL 61B, 487 0.45800 0.45800 0.45800 64.800 1.5000 0.0 CHALOUPKA 76 17.000 17.000 0.0 0.0 AGNEW 60 PR 118, 1371 0.45899 0.38258 0.52624 66.000 0.0 0.0 CONFORTO 68 NC A54, 441 0.46746 0.44831 0.48601 62.000 2.2000 2.2000 0.47100 0.47100 0.47100 64.800 1.5000 1.5000 CHALOUPKA 76 PL 61B, 487 0.0 0.0 0.48200 1.5000 PL 61B, 487 0.48200 0.48200 63.700 1.5000 0.0 0.0 CHALOUPKA 76 64.200 1.4000 1.4000 0.0 0.0 CHALOUPKA 76 PL 61B, 487 0.49300 0.49300 0.49300 22 0.51345 2.3000 0.49870 0.48361 62.600 2.3000 0.0 0.0 CONFORTO 68 NC A54, 441 23 0.50000 17.000 BARONI 59 0.50000 0.50000 65.700 17.000 0.0 0.0 NC 12, 564 24 1.4000 1.4000 0.0 PL 61B, 487 0.50400 0.50400 0.50400 60.700 0.0 CHALOUPKA 76 1.3000 CHALOUPKA 76 PL 61B, 487 0.51400 0.51400 0.51400 56.500 1.3000 0.0 0.0 26 0.51698 72.000 9.0000 0.0 COOMBES 58 PR 112, 1303 0.48947 0.54341 11.000 0.0 1.4000 PL 61B, 487 0.52400 0.52400 0.52400 59.000 1.4000 0.0 0.0 CHALOUPKA 76 0.52481 2.1000 2.1000 0.0 CONFORTO 68 0.51136 0.53800 59.500 0.0 NC A54, 441 17.000 0.0 0.0 EKSPONG 59 0.53133 0.23916 0.72913 77.000 17.000 NC 13, 27 1.3000 0.53300 0.53300 0.53300 55.500 1.3000 0.0 0.0 CHALOUPKA 76 PL 61B, 487 31 6.0000 6.0000 0.0 CORK 62 0.54141 0.50654 0.57467 52.000 0.0 NC 25, 497 32 0.54200 0.54200 1.3000 1.3000 0.0 0.0 PL 61B, 487 0.54200 54.900 CHALOUPKA 76 33 1.5000 CHALOUPKA 76 PL 61B, 487 0.55100 0.55100 0.55100 51.700 1.5000 0.0 0.0 34 0.55312 0.53981 2.2000 2.2000 0.0 CONFORTO 68 0.56620 63.500 0.0 NC A54, 441 35 2.0000 2.0000 0.0 CONFORTO 68 0.57715 0.56504 0.58909 61.300 0.0 NC A54, 441 36 14.000 0.0 AGNEW 60 0.58749 0.52624 0.64444 56.000 14.000 0.0 PR 118, 1371 37 57.300 1.8000 1.8000 0.0 0.0 CONFORTO 68 0.59918 0.58796 0.61026 NC A54, 441 7.0000 9.0000 PR 112, 1303 0.63913 0.61026 0.66714 64.000 0.0 0.0 COOMBES 58 2.1000 COUPLAND 77 0.69000 0.69000 0.69000 53.400 2.1000 0.0 0.0 PL 71B, 460 1.6000 1.6000 0.0 0.0 KOHNO 72 NP B41, 485 0.69606 0.67744 0.71437 51.200 5.0000 0.0 CORK 62 0.72096 0.75333 45.000 5.0000 0.0 NC 25, 497 0.68764 0.78020 6.0000 7.0000 0.0 PR 112, 1303 0.75333 0.72587 50.000 0.0 COOMBES 58 0.50000 0.50000 0.0 BANERJEE 85 0.76000 0.76000 0.76000 47.300 0.0 ZP C28, 163 2.0000 2.0000 0.79000 0.79000 0.79000 49.300 0.0 0.0 COUPLAND 77 PL 71B, 460 COOMBES 58 5.0000 0.0 PR 112, 1303 0.85777 0.83237 0.88277 49.000 7.0000 0.0 46 1.9000 0.0 0.0 PL 71B, 460 0.86000 0.86000 0.86000 47.200 1.9000 COUPLAND 77 0.99000 0.99000 0.99000 44.500 1.8000 1.8000 0.0 0.0 COUPLAND 77 PL 71B, 460 0.0 0.0 COUPLAND 77 PL 71B, 460 1.09000 1.09000 1.09000 44.200 1.8000 1.8000 KALBFLEISCH 71 1.11000 1.11000 1.11000 43.800 0.80000 0.80000 0.0 0.0 NP B30, 466 PR 128, 869 1.13456 1.10193 1.16682 42.000 5.0000 5.0000 0.0 0.0 ELIOFF 62 51 1.8000 0.0 0.0 1.14000 1.14000 1.14000 43.800 1.8000 COUPLAND 77 PL 71B, 460 52 1.3000 1.23000 1.21000 1.25000 43.300 1.3000 0.0 0.0 BACON 71 NP B32, 66 53 1.7000 PL 71B, 460 1.23000 1.23000 1.23000 42.100 1.7000 0.0 0.0 COUPLAND 77 1.24000 3.5000 COOPER 70B 55 1.24000 1.24000 43.200 3.5000 0.0 0.0 NP B16, 155 1.28000 1.32000 41.500 1.2000 1.2000 0.0 0.0 BACON 71 NP B32, 66 1.30000 56 1.7000 COUPLAND 77 PL 71B, 460 1.30000 1.30000 1.30000 41.300 1.7000 0.0 0.0 57 3.0000 COOPER 70B 1.32000 1.32000 1.32000 43.300 3.0000 0.0 0.0 NP B16, 155 58 0.40000 0.40000 KALBFLEISCH 71 1.33000 1.33000 1.33000 41.300 0.0 0.0 NP B30, 466 4.0000 0.0 ELIOFF 62 PR 128, 869 1.34297 1.30251 1.38304 42.000 4.0000 0.0 1.6000 1.36000 1.36000 1.36000 40.100 1.6000 0.0 0.0 COUPLAND 77 PL 71B, 460 1.2000 1.36000 1.34000 1.38000 42.200 1.2000 0.0 0.0 BACON 71 NP B32, 66 1.2000 0.0 NP B32, 66 1.43000 1.41000 1.45000 41.800 1.2000 0.0 BACON 71 1.6000 38.700 1.6000 0.0 0.0 COUPLAND 77 PL 71B, 460 1.43000 1.43000 1.43000 64 4.0000 ELIOFF 62 PR 128, 869 1.48227 1.43829 1.52588 38.000 4.0000 0.0 0.0 65 1.5000 COUPLAND 77 1.50000 1.50000 1.50000 37.500 1.5000 0.0 0.0 PL 71B, 460 1.3000 1.3000 NP B32, 29 1.51000 1.51000 1.51000 39.400 0.0 0.0 PARKER 71 0.80000 0.80000 1.52000 1.52000 1.52000 39.300 0.0 0.0 KALBFLEISCH 71 NP B30, 466 3.0000 3.0000 1.54000 1.54000 1.54000 38.500 0.0 0.0 COOPER 70B NP B16, 155 1.5000 1.60000 1.60000 1.60000 37.600 1.5000 0.0 0.0 COUPLAND 77 PL 71B, 460 3.0000 0.0 1.62000 1.62000 1.62000 37.200 3.0000 0.0 COOPER 70B NP B16, 155 3.0000 3.0000 0.0 0.0 ELIOFF 62 PR 128, 869 1.63636 1.58776 1.68460 33.000 72 1.2000 NP B32, 29 1.65000 1.65000 1.65000 38.100 1.2000 0.0 0.0 PARKER 71 73 PR 119, 2068 2.0000 1.69604 1.75296 33.000 2.0000 0.0 0.0 ARMENTEROS 60 1.63866 74 1.5000 1.71000 1.71000 37.000 1.5000 0.0 0.0 COUPLAND 77 PL 71B, 460 1.71000 75 2.0000 ELIOFF 62 PR 128, 869 1.77335 1.72114 1.82523 30.000 2.0000 0.0 0.0 76 1.2000 1.80000 1.80000 36.100 1.2000 0.0 0.0 PARKER 71 NP B32, 29 1.80000 77 1.4000 1.4000 0.0 0.0 1.81000 1.81000 1.81000 35.700 COUPLAND 77 PL 71B, 460 1.86000 1.86000 1.86000 35.200 1.4000 1.4000 0.0 0.0 COUPLAND 77 PL 71B, 460 1.91000 1.91000 1.91000 33.900 1.4000 1.4000 COUPLAND 77 0.0 0.0 PL 71B, 460 1.2000 NP B32, 29 1.95000 1.95000 1.95000 35.400 1.2000 0.0 0.0 PARKER 71 2.0000 2.0000 0.0 0.0 PR 119, 2068 1.97691 1.89914 2.05413 28.000 ARMENTEROS 60 1.3000 2.01000 2.01000 2.01000 32.400 1.3000 0.0 0.0 COUPLAND 77 PL 71B, 460 1.3000 COUPLAND 77 PL 71B, 460 2.12000 2.12000 2.12000 31.800 1.3000 0.0 0.0 1.2000 NP B32, 29 2.15000 2.15000 2.15000 30.800 1.2000 0.0 0.0 PARKER 71 1.2000 2.23000 2.23000 2.23000 30.400 1.2000 0.0 0.0 COUPLAND 77 PL 71B, 460 1.5000 2.32000 2.32000 2.32000 29.000 1.5000 4.0 4.0 ALLISON 73 NP B56, 1 1.5000 2.32000 2.29500 2.34500 29.000 1.5000 4.0 4.0 CHEN 77D PR D17, 42 1.2000 PL 71B, 460 2.33000 2.33000 2.33000 29.800 1.2000 0.0 0.0 COUPLAND 77 1.1000 0.0 0.0 COUPLAND 77 2.43000 2.43000 2.43000 28.600 1.1000 PL 71B, 460 2.45000 2.45000 2.45000 27.400 1.1000 1.1000 0.0 0.0 PARKER 71 NP B32, 29 1.0000 1.0000 PARKER 71 NP B32, 29 2.60000 2.60000 2.60000 25.900 0.0 0.0 25.600 0.60000 0.60000 0.0 PL 24B, 642 2.69000 2.64000 2.74000 0.0 DOMINGO 67 93 2.75000 2.75000 2.75000 25.600 1.0000 1.0000 0.0 0.0 PARKER 71 NP B32, 29 25.000 4.0000 ARMENTEROS 60 PR 119, 2068 2.78444 2.68929 2.87925 4.0000 0.0 0.0 95 1.0000 NP B32, 29 2.90000 2.90000 2.90000 24.500 1.0000 0.0 0.0 PARKER 71 AMBATS 74 3.00000 3.00000 3.00000 23.700 1.0000 1.0000 4.0 4.0 PR D9, 1179 97 21.900 1.1000 1.1000 0.0 0.0 FERBEL 65 PR 137, B1250 3.28000 3.21440 3.34560 0.80000 0.80000 3.60000 3.60000 3.60000 20.900 0.0 0.0 DEHNE 64 PR 136, B843 0.90000 0.90000 AMBATS 74 100 3.65000 3.65000 3.65000 20.600 4.0 4.0 PR D9, 1179 4.00000 0.73000 0.73000 0.0 0.0 101 4.00000 4.00000 19.750 CZYZEWSKI 65 PL 15, 188 0.70000 0.70000 102 5.00000 5.00000 5.00000 16.000 4.0 4.0 AMBATS 74 PR D9, 1179 16.300 103 5.70000 5.64300 5.75700 0.60000 0.60000 0.0 0.0 BOECKMANN 66 NC A42, 954 1045.70000 5.70000 5.70000 15.900 0.40000 0.40000 0.0 0.0 BRAUN 75 NP B95, 481 105 6.00000 6.00000 6.00000 15.600 0.80000 0.80000 4.0 4.0 AMBATS 74 PR D9, 1179 KITAGAKI 68 106 6.90000 6.86550 6.93450 14.700 1.5000 1.5000 0.0 0.0 PRL 21, 175 1.2000 1.2000 FERBEL 68 107 6.94000 7.04410 14.200 0.0 0.0 PR 173, 1307 6.83590 108 7.19990 1.0000 1.0000 5.0 5.0 FOLEY 63B 7.19990 7.19990 13.790 PRL 11, 503 109 7.30000 7.30000 7.30000 13.650 0.56000 0.56000 0.0 0.0 PATEL 82 ZP C12, 189 8.00000 8.00000 8.00000 12.880 0.10000 0.10000 5.0 5.0 RUSS 77 PR D15, 3139 10.0 10.0 BIRNBAUM 69C 111 8.00000 8.00000 8.00000 12.700 0.70000 0.70000 PRL 23, 663 12.330 0.0 0.0 BOOTH 83B 112 8.80000 8.80000 8.80000 0.40000 0.40000PR D27, 2018 0.35000 0.35000 5.0 5.0 FOLEY 63B 8.89990 8.89990 8.89990 13.890 PRL 11, 503 9.14000 0.0 0.0 1149.10000 9.18000 11.750 0.23000 0.23000 GREGORY 77C NP B119, 60 115 10.00000 5.0 5.0 10.00000 14.600 3.3000 3.3000 FOLEY 63B PRL 11, 503 10.00000 0.0 0.0 JOHNSON 80 NP B173, 77 116 12.00000 12.00000 11.340 0.60000 0.60000 12.00000 0.41000 0.41000 5.0 5.0 12.00000 12.00000 12.00000 11.590 FOLEY 63B PRL 11, 503 ZP C27, 1 118 12.00000 12.00000 12.00000 11.590 $0.41000 \ 0.41000$ 0.0 0.0 CHAKRABARTI 85 5.0 5.0 RUSS 77 119 16.00000 16.00000 9.4000 0.20000 0.20000 PR D15, 3139 16.00000 9.1000 10.0 10.0 BIRNBAUM 69C PRL 23, 663 120 16.00000 16.00000 16.00000 0.50000 0.50000 121 25.20000 25.20000 8.6700 0.20000 0.20000 6.0 6.0 ANTIPOV 73P NP B57, 333 25.20000 32.30000 8.6800 122 32.10000 31.90000 0.24000 0.24000 0.0 0.0 JABIOL 77 NP B127, 365 0.0 0.0 123 32.10000 31.90000 32.30000 8.2100 0.10000 0.10000 BOGOLUBSKY 84B YF 41, 1210 0.25000 0.25000 40.10000 40.10000 40.10000 7.1700 6.0 6.0 ANTIPOV 73P NP B57, 333 1240.24000 0.24000 7.8100 0.0 0.0 125 48.90000 48.40000 49.40000 ZISSA 79 PR D21, 3059 49.70000 50.30000 8.2000 0.0 0.0 126 50.00000 0.40000 0.40000 AYRES 76D PR D15, 3105 70.00000 0.0 0.0 70.42002 7.3000 0.47000 0.47000 AYRES 76D PR D15, 3105 127 69.58000 6.4000 0.0 0.0 DUMONT 82 128 70.00000 70.00000 70.00000 1.0000 1.0000 ZP C13, 1 0.0 0.0 100.00000 100.00000 7.3900 0.36000 0.36000 WARD 79B NP B153, 299 100.00000 100.00000 PR D15, 3105 99.40000 100.60000 7.8000 0.60000 0.60000 0.0 0.0 AYRES 76D 130 140.83999 7.5200 0.0 0.0 PR D15, 3105 140.00000 139.16000 0.60000 0.60000 AYRES 76D 131 175.00000 173.94999 176.05000 7.1200 0.52000 0.52000 0.0 0.0 AYRES 76D PR D15, 3105 132 491.54168 491.54168 7.1600 4.0 4.0 491.54168 0.34000 0.34000 AMOS 85 NP B262, 689 1473.45581 1473.45581 1473.45581 7.4400 4.0 4.0 0.32000 0.32000 AMOS 85 NP B262, 689 135 1484.68920 1484.68920 1484.68920 7.8900 0.17000 0.17000 1.4 1.4 AMBROSIO 82B PL 115B, 495 2067.38403 2067.38403 2067.38403 7.4600 4.0 4.0 AMOS 85 0.32000 0.32000 NP B262, 689 136 0.0 0.0 ABE 93U 1.5886E+05 1.5886E+05 1.5886E+05 12.870 0.30000 0.30000 PR D50, 5518 1.0 1.0 BOZZO 84B 0.60000 0.60000 PL 147B, 392 1.5945E+05 1.5945E+05 1.5945E+05 13.300 PL 445B, 419 139 1.7266E+06 1.7266E+06 1.7266E+06 15.790 0.87000 0.87000 0.0 0.0 AVILA 98 140 1.7266E+06 1.7266E+06 1.7266E+06 19.700 0.85000 0.85000 0.0 0.0 ABE 93U PR D50, 5518

0.0 0.0 AMOS 90

PL 243B, 158

1.6000 1.6000

141 1.7266E+06 1.7266E+06 1.7266E+06 16.600