V. Flaminio: Publications on Journals

a) Bubble chamber experiments
CERN: 1965-1967

1. M.Deutschmann et al.; "Single π^0 production by 8 GeV/c positive pions and possible enhancements in the $(\pi^+\pi^0)$ system".
   Physics Letters 18, 351 (1965)

2. M.Deutschmann et al.; "Slope of $d\sigma/dt$ distributions in quasi-two-body interactions of 8 GeV/c positive pions".
   Physics Letters 19, 608 (1966)

3. M.Deutschmann et al.; "Rare decay modes of ρ,A_1 and A_2 mesons".
   Physics Letters 20, 82 (1966)

4. M.Deutschmann et al.; "Evidence against the interpretation of the A_1 enhancement as a kinematic effect".
   Physics Letters 22, 112 (1966)

5. J.Bartsch et al.; "Observation of a ($K\pi\pi$) resonance near 1800 MeV".
   Physics Letters 22, 357 (1966)

6. F.Crijns et al.; "Decay angular distributions of resonances in two-body reactions produced by 8 GeV/c positive pions on protons".
   Physics Letters 22, 533 (1966)

7. J.Bartsch et al.; "Quantum number assignement for the A_2 meson".
   Physics Letters 25B, 48 (1967)

8. M.Aderholz et al.; "K^- p elastic scattering at 10 GeV/c".
   Physics Letters 24B, 434 (1967)

9. Chan Hong-Mo et al.; "Double Regge analysis of high energy experiments producing three final-state particles".
   Nuovo Cimento 51A, 696 (1967)

10. J.Bartsch et al.; “Analysis of the $K^*(1320)$ and L meson produced in 10 GeV/c K^- p interactions”.
Nuclear Physics B8, 9 (1968)

11. K.Boesebeck et al.; “Resonance production in 8 GeV/c π^+ interactions in hydrogen”.
Nuclear Physics B4, 501 (1968)

12. M.Aderholz et al.; “$K^*(890)$ production in 10 GeV/c K-p interactions and comparison with absorption and Regge-pole models”.
Nuclear Physics B5, 567 (1968)

13. M.Aderholz et al.; “Total and differential cross sections in 10 GeV/c K^- p interactions”.
Nuclear Physics B7, 111 (1968)

b) Bubble chamber experiments
Brookhaven National Laboratory: 1967-1970

14. D.J.Crennell et al.; "Existence of a Y* resonance at 1616 MeV".
Phys. Rev. Lett. 21, 648 (1968)

15. J.Alitti et al.; "Evidence for a Ξ^* resonance with mass 1930 MeV".
Phys. Rev. Lett., 21, 1119 (1968)

16. J.Alitti et al.; "Strangeness S=-2 Baryon resonance".
Phys. Rev. Lett. 22, 79 (1969)

17. V.E.Barnes et al.; "Production of Sigma Hyperons in K^- p interactions".
Phys. Rev. Lett. 22, 479 (1969)

18. V.E.Barnes et al.; "Evidence for an ($\omega\pi\pi$) resonance in the I=1 state at a mass of 1695 MeV".
Phys. Rev. Lett. 23, 142 (1969)

19) J.Alitti et al.; "Evidence for the (K_sK_s) enhancement near threshold produced by K^- N reactions".
Phys. Rev. Lett. 21, 1705 (1968)

20) V.E.Barnes et al.; "Evidence for a $\pi\eta$ resonance at 970 MeV produced in $K^- p \rightarrow \Lambda\pi^+\pi^-$ MM at 3.9,4.6 and 5.0 GeV/c".
Phys. Rev. Lett. 23, 610 (1969)

21) V.E.Barnes et al.; "Production of p $\pi^+\pi^-$ enhancements from the reaction $K^- p \rightarrow K^- p\ \pi^+\pi^-$".
Phys. Rev. Lett. 23, 1516 (1969)

22) M.Aguilar-Benitez et al.; "Production of the L meson in the final state of the reaction $K^- p \rightarrow K^-\pi^+\pi^- p$ at 4.6 GeV/c".
Phys. Rev. Lett. 25, 54 (1970)

23) M.Aguilar Benitez et al.; "Observation of Σ resonances in the 1670 MeV mass region".
Phys. Rev. Lett. 25, 58 (1970)

c) Bubble chamber experiments
Pisa-CERN: 1970-1977

24) C.Angelini et al.; "Experimental study of 6-prong events in $\bar{P}P$ annihilation around 1 GeV".
Nuovo Cimento 32A, 243 (1976)

25) L.Bertanza et al.; "A study of the reactions $K^0_L p \rightarrow \Lambda \pi^+$ and $K^0_L p \rightarrow \Sigma^0 \pi^+$ in the c.m.s. energy range 1490-1700 MeV".
Nuclear Physics B110, 1 (1976)

26) A.Bigi et al.; "Study of the reactions $K^0_L p \rightarrow K^0_S p$ in the c.m.s. energy range 1470-1700 MeV".
Nuclear Physics B110, 25 (1976)

27) K.J.Peach et al.; "A study of the Dalitz plot in the decay $K^0_L p \rightarrow \pi^+\pi^- \pi^0$".
Nuclear Physics B127, 399 (1977)

28) W.Cameron et al.; "$K^0_L p$ interactions in the c.m.s. energy range 1.54-1.71 GeV".
Nuclear Physics B132, 189 (1978)

29) C.Angelini et al.; "Test of Multiplicity Independence of single π "mean scaled" distributions in low energy $\bar{P}P$ annihilations".
Lett. Nuovo Cimento 18,245 (1977)

d) K^-p experiment and phenomenological analyses
Brookhaven National Laboratory: 1977-1978

30) F.T.Dao et al.; "Study of quark structure functions".
Phys. Rev. Lett. 39, 1388 (1977)

31) S.U.Chung et al.; "Study of $K^*(1780)$ in the reaction $K^- p \rightarrow K^-\pi^+ n$ at 6 GeV/c".
Phys. Rev. Lett. 40, 355 (1978)

32) V.Flaminio: "Scaling violation effects in Drell-Yan processes".
Lett. Nuovo Cimento 26, 165 (1979)

e) Neutrino bubble chamber experiments and search for neutrino oscillations
Pisa-CERN: 1978-1988

33) D.Allasia et al.; "Measurement of the ratios of νn to νp charged current cross sections at high energies".
Physics Letters 107B, 148 (1981)

34) D.Allasia et al.; "Proton and neutron structure functions from antineutrino interactions in deuterium".
Physics Letters 117B, 262 (1982)

35) S.Barlag et al.; "Charged hadron multiplicities in high energy $\bar{\nu}\, n$ and $\bar{\nu}\, p$ interactions".
Zeit. Phys. C - Particles and Fields 11,283 (1982)

36) D.Allasia et al.; "Fragmentation Functions in High Energy Neutrino and Antineutrino Deuterium Interactions".
Physics Letters 124B, 543 (1983)

37) D.Allasia,et al.; "Production of neutral strange particles in $\bar{\nu}_\mu$ D_2 and ν_μ D_2 charged current Interactions".
Nuclear PhysicsB, 224 ,1 (1983)

38) D.Allasia et al.; "Single Pion Production in Charged Current antineutrino Deuterium Interactions at High Energies".
Zeit. Phys. C - Particles and Fields 20 , 95 (1983)

39) D.Allasia et al.; "Measurement of the Neutral Current Coupling Constants in neutrino and antineutrino Interactions with Deuterium".
Physics Letters 133 B, 129 (1983)

40) D.Allasia et al.; "Measurement of the neutrino and antineutrino-Nucleon Charged-Current Total Cross Sections, and the ratio of neutrino-neutron to neutrino-proton Charged-Current Total Cross Sections".
Nuclear Physics B 239 , 301 (1984)

41) D.Allasia et al.; "Measurement of the Neutron and Proton Structure Functions from Neutrino and Antineutrino Scattering in

Deuterium".
Physics Letters 135 , 231 (1984)

42) A.M.Cooper et al.; "An investigation of the EMC effect using antineutrino interactions in Deuterium and Neon".
Physics Letters, 141B, 133 (1984)

43) D.Allasia et al.; "Fragmentation in neutrino and antineutrino Charged Current Interactions on Proton and Neutron".
Zeit.Phys. C - Particles and Fields, 24, 119 (1984)

44) D.Allasia et al.; "Fragmentation into strange particles in high energy $\nu p, \nu n, \bar{\nu} p$ and $\bar{\nu} n$ interactions".
Physics Letters,154B, 231 (1985)

45) D.Allasia et al.; "Transverse Momentum of Charged Hadrons Produced in υ and $\bar{\upsilon}$ Deuterium Charged Current Interactions".
Zeit. Phys. C - Particles and Fields, 27,239 (1985)

46) D.Allasia et al; "Q^2 dependence of the Proton and Neutron Structure Functions from Neutrino and Antineutrino Scattering in Deuterium".
Zeit. Phys. C - Particles and Fields 28, 321 (1985)

47) D.Allasia et al.; "Inclusive ρ^0 production in antineutrino-deuteron and neutrino-deuteron charged current interactions".
Nuclear Physics B268, 1 (1985)

48) D.Allasia et al.; "Search for a $\Delta(1236)$-$\Delta(1236)$ structure of the Deuteron".
Physics Letters, 174B, 450 (1986)

49) D.Allasia et al.; "Search for $\mu\pi$ mass enhancements in neutrino and antineutrino-deuterium charged-current interactions".
Physical Review D 31, 2996 (1985)

50) D.Allasia et al; "Determination of the Neutral Current Coupling Constants u_L^2 , u_R^2 , d_L^2 , and d_R^2 from a Neutrino and Antineutrino Deuterium Experiment".
Nuclear Physics B307, 1 (1988)

51) C.Angelini et al.; "New experimental limits on $\nu_\mu \rightarrow \nu_e$ oscillations". Physics Letters 179, 307 (1986)

52) Vincenzo Flaminio and Biagio Saitta; "Neutrino oscillation experiments" Rivista del Nuovo Cimento Vol 8 (1987)

f) Data Compilations
Pisa-CERN: 1970-1992

53) A.Baldini,V.Flaminio,W.G.Moorhead and D.R.O.Morrison; "Total cross-sections for Reactions of High Energy Particles".
Landolt-Bornstein, Numerical data and Functional Relationships in Science and Technology, New Series, Group I, Vol 12a and 12b, 1988.

54) O.P. Yushchenko et al.; "A compilation of data on e^+e^- interactions".
Landolt-Bornstein, New Series, Volume I/14 (1992)

g) Statistical analyses of Physics Students Curricula Pisa: 1988-1994

55) V. Flaminio; “Alcuni dati statistici relativi agli studenti immatricolati presso il corso di laurea in Fisica dell'Universita' di Pisa negli anni 1969-1988”.
Il Nuovo Saggiatore 4, 10 (1989)
Giornale di Fisica 32, 31 (1991)

56) V. Flaminio; “Nuovi dati statistici sugli studenti iscritti al Corso di Laurea in Fisica dell’Universita’ di Pisa nel periodo 1969-1991”.
Il Nuovo Saggiatore 11, 6 (1995)

h) MACRO experiment
Pisa-Gran Sasso: 1986-1990

57) C. De Marzo et al.; "MACRO, a Large Area Detector at the Gran Sasso Laboratory".
Il Nuovo Cimento vol. 9 C, 281 (1986)

58) M.Calicchio et al.; "The track-etch detector of the MACRO experiment".
Nuclear Tracks Radiation Measurements, Vol.15,331 (1988)

59) M.Calicchio et al.; "The MACRO detector at the Gran Sasso Laboratory".
Nuclear Instruments and methods in Physics Research A264, 18, (1988)

60) Bellotti et al.; "First results from the MACRO experiment at the Gran Sasso Laboratory".
Nuclear Physics B (Proc. Supp) 19, 128 (1991)

61) Ahlen et al.; "Study of penetrating cosmic ray muons and search for large scale anisotropies at the Gran Sasso Laboratory".
Physics Letters B 249, 149 (1990)

62) Bellotti et al.; "Simultaneous observation of extensive air showers and deep underground muons at the Gran Sasso Laboratory".
Physical Review D, 42, 1396 (1990)

i) Scintillating optical-fibre detectors
Pisa-CERN: 1988-1997

63) C.Angelini et al.; "Decay time of light emission from cerium-doped scintillating glass".
Nuclear Instruments and methods in Physics Research A281, 50, (1989)

64) C. Angelini et al.; "WA84 experiment: a beauty search with a scintillating-fibre microvertex detector".
Nuclear Instruments and Methods in Physics Research A289, 342 (1990)

65) C. Angelini et al.; "Sources of noise in high-resolution tracking with scintillating fibres".
Nuclear Instruments and Methods in Physics Research A289, 356 (1990)

66) C.Angelini et al.; "Comparison of glass and plastic scintillating microfibres for high-resolution tracking".
Nuclear Instruments and Methods in Physics Research A295, 299 (1990)

67) M. Adinolfi et al.; "Application of a scintillating-fibre detector to the study of short-lived particles".
Nuclear Instruments and Methods in Physics Research A310, 485 (1991)

68) M. Adinolfi et al.; "A high-resolution tracking detector based on capillaries filled with liquid scintillator".
Nuclear Instruments and Methods in Physics Research A311, 67 (1992)

69) M. Adinolfi et al.; "Progress on high-resolution tracking with scintillating fibres : a new detector based on capillaries filled with liquid scintillator".
Nuclear Instruments and Methods in Physics Research A315, 177 (1992)

70) M. Adinolfi et al.; “Use of a high-resolution, scintillating-fibre tracking detector in recording π^- nucleon interactions at $\sqrt{S} = 26$ GeV”.
Nuclear Instruments and Methods in Physics Research A315, 67 (1992)

71) Cardini et al.; “Comparison of plastic scintillating fibres and capillaries filled with liquid scintillator”.
Nuclear Instruments and Methods in Physics Research, A346, 163 (1994)

72) A. Cardini et al., “Study of a capillary tracking detector with position-sensitive photomultiplier readout”.
Nuclear Instruments and methods in Physics Research, A361, 129 (1995)

73) V. Agoritsas et al., “Scintillating Fibre hodoscopes using Position-Sensitive Photomultipliers”.
Nuclear Instruments and Methods in Physics Research, A372,63, (1996)

74) Autiero et al.,:"Study of a possible scintillating fibre tracker at the LHC and tests of scintillating fibres";
Nuclear Instruments and methods in Physics Research A336, 521 (1993)

75) Bosi et al.; “Tests of a scintillating-fibre detector based on position-sensitive photomultiplier readout”. Nuclear Instruments and Methods in Physics Research, A374, 48 (1996)

76) V. Agoritsas et al.; “Development of a scintillating-fibre detector for fast topological triggers in high-luminosity particle physics experiments”.
Nuclear Instruments and Methods in Physics Research A411, 17 (1998)

77) V. Agoritsas et al.; “Read-out of scintillating fibres using a weak cross-talk”.
Nuclear Instruments and Methods in Physics Research A406, 383 (1998)

j) Charm and Beauty production in π^- p scattering
Pisa-CERN: 1992-1999

78) M.Adamovich et al.; "Search for the decay $D^0 \rightarrow \mu^+\mu^-$ ".
Physics Letters B353, 563 (1995)

79) M. Adamovich et al.; "A study of kinematical correlations between charmed particles produced in π^- Cu interactions at $\sqrt{s} = 26$ GeV".
Phys. Lett., B385, 487 (1996)

80) Adamovich et. al.; "Trigger for the WA92 fixed-target beauty experiment".
Nuclear Physics B44, 435 (1995)

81) Adamovich et al.; "Study of charm correlations in π^-N interactions at $\sqrt{s} = 26$ GeV ".
Physics Letters B348, 256 (1995)

82) Adamovich et al.; "WA92: a fixed-target experiment to trigger on and identify Beauty Particle decays".
Nuclear Instruments and Methods in Physics Research, A 379, 252 (1996)

83) Adamovich et al.; "Measurements of charmed-meson production in interactions between 350 GeV/c π^- particles and nuclei".
Nuclear Physics B 495, 3 (1997).

84) M. Adamovich et al.; "A measurement of the form-factor ratios in the decay $D^+ \rightarrow K^{*0} \mu^+ \nu$".
Europhys. Journal C 6, 35 (1999)

85) M. Adamovich et al.; "Search for the flavour-changing neutral current decay $D^0 \rightarrow \mu^+ \mu^-$ ".
Physics Letters B408, 469 (1997)

86) Y. Alexandrov et al.; "Measurement of the kinematical variables of beauty particles produced in 350 GeV/c π^-Cu interactions".
Physics Letters B459, 417 (1999)

87) M. Adinolfi et al.; "$D^{*+/-}$ production in 350 GeV/c π^-N interactions".
Nuclear Physics B 547, 3 (1999)

88) Y. Alexandrov et al.; "Azimuthal correlations between beauty particles produced in 350 GeV/c π^-Cu interactions".
Physics Letters B 433, 217 (1998)

89) M. Adamovich et al.; "Measurement of the beauty production cross section in 350 GeV/c π^-Cu interactions".
Nuclear Physics B519, 19 (1998)

90) Y. Alexandrov et al.; "Inclusive J/Ψ and Ψ' production in π^- nucleus interactions at $\sqrt{s}$ = 26 GeV".
Nuclear Physics B557, 3, 1999

91) Y. Alexandrov et al.; "Measurement of the $D_s \rightarrow \mu \nu_\mu$ branching fraction and of the D_s decay constant".
Physics Letters, B478, 31 (2000)

k) Search for Neutrino Oscillations
Pisa-CERN: 1993-2000

92) D. Autiero et al., "A high Stability Light Emitting Diode System for monitoring lead glass electromagnetic calorimeters".
Nuclear Instruments and Methods in Physics Research, A372, 556 (1996)

93) D. Autiero et al.,"The electromagnetic calorimeter of the NOMAD experiment".
Nuclear Instruments and Methods in Physic Research, A373, 358 (1996)

94) J. Altegoer et al.; "The NOMAD experiment at the CERN SPS".
Nuclear Instruments and Methods in Physics Research A404, 96 (1998)

95) J. Altegoer et al.; "Search for a new gauge boson in π^0 decay".
Physics Letters B428, 197 (1998)

96) J. Altegoer et al.; "A search for $\nu_\mu \rightarrow \nu_\tau$ oscillations using the NOMAD detector".
Physics Letters B431, 219 (1998)

97) P. Astier et al.; " A more sensitive search for $\nu_\mu \rightarrow \nu_\tau$ oscillations in NOMAD".
Physics Letters B 453, 169 (1999)

98) D. Autiero et al.; "A study of transverse fluctuations of hadronic showers in the NOMAD electromagnetic calorimeter".
Nuclear Instruments and Methods in Physics Research A411, 285(1998)

99) D. Autiero et al.; "Parameterisation of e and γ initiated showers in the NOMAD lead-glass calorimeter".
Nuclear Instruments and Methods in Physics Research A425, 188 (1999)

100) J. Altegoer et al.; "Precision measurement of scaled momentum, charge multiplicity and thrust in neutrino-nucleon and antineutrino-nucleon interactions".
Physics Letters B445, 439 (1999)

101) P. Astier et al.; "Limit on $\nu_e \rightarrow \nu_\tau$ oscillations from the NOMAD experiment".
Physics Letters B471, 406 (2000)

102) P. Astier et al.; “Search for eV (pseudo)scalar penetrating particles in the SPS neutrino beam”.
Physics Letters, B479, 371 (2000)

103) P. Astier et al.; “Measurement of the Λ polarization in ν_μ Charged Current Interactions in the NOMAD experiment”.
Nuclear Physics B588, 3 (2000)

104) P. Astier et al.; “Neutrino production of opposite sign dimuons in the NOMAD experiment”.
Physics Letters B486, 35 (2000)

105) P. Astier et al.; “Updated results from the ν_τ appearance search in NOMAD”.
Physics Letters B483, 387 (2000)

106) P. Astier et al.; “Measurement of the antilambda polarization in ν_μ charged-current interactions in the NOMAD experiment”.
Nuclear Physics B605, 3 (2001)

107) P. Astier et al.; “A study of backward going p and π^- in ν_μ CC interactions with the NOMAD detector” .
Nuclear Physics B609, 255 (2001)

108) P. Astier et al.; “Inclusive production of $\rho^0(770)$, $f^0(980)$ and $f_2(1270)$ mesons in ν_μ charged-current interactions”.
Nuclear Physics B601, 3 (2001)

109) P. Astier et al.; “Final NOMAD results on the ν_μ -> ν_τ and ν_e -> ν_τ oscillations, including a new search for ν_τ appearance using hadronic τ decays”.
Nuclear Physics B611, 3 (2001)

110) P. Astier et al.; “Study of D*+ production in ν_μ charged-current interactions in the NOMAD experiment”.
Physics Letters B526, 278 (2002)

111) P. Astier et al.; “Search for MeV isosinglet mixing with τ neutrinos”. Physics Letters B506, 27 (2001)

112) P. Astier et al.; “New results on a search for a 33.9 MeV/c^2 neutral particle from π^+ decay in the NOMAD experiment”. Physics Letters B527, 23 (2002)

113) P. Astier et al.; “A study of strange particle production in ν_μ charged-current interactions in the NOMAD experiment”. Physics Letters B621, 3 (2002)

l) ATLAS experiment at the LHC
Pisa-CERN: 1990-on

114) S. Agnvall et al.; "Hadronic shower development in Iron-Scintillator Tile Calorimetry".
Nuclear Instruments and Methods in Physics Research A433, 51 (2000)

115) S. Agnvall et al.; "Evaluation of the FERMI read-out of the ATLAS TileCal prototype".
Nuclear Instruments and Methods in Physics Research A403, 98 (1998

116) Z. Ajaltouni et al.; "Response of the Atlas Tile Calorimeter Prototype to muons".
Nuclear Instruments and Methods in Physics Research A388, 64 (1997)

117) Berger et al.; "A measurement of the energy-loss spectrum of 150 GeV muons in iron".
Zeit. f. Physik C 73, 455 (1997)

118) Z. Ajaltouni et al.; "Results from a combined test of an electromagnetic liquid argon calorimeter with a hadronic scintillating-tile calorimeter".
Nuclear Instruments and Methods in Physics Research A387, 333 (1997)

119) S. Akhmadaliev et al.; "Results from a new combined test of an electromagnetic liquid argon calorimeter with a hadronic scintillating tile calorimeter".
Nuclear Instruments and Methods in Physics Research, A449,461 (2000)

120) S. Akhmadaliev et al.; "Hadronic energy reconstruction for the ATLAS calorimetry in the framework of the non-parametrical model".
Nuclear Instruments and Methods in Physics Research, A0, 1 (2001)

121) P. Amaral et al.; "A precise measurement of 180 GeV muon energy losses in iron".
Euro Phys. J. C, 20, 487 (2001)

122) F. Bosi et al.; "A device to characterise optical fibres".
Nuclear Instruments and Methods in Physics Research, A485,311 (2002)