

**List of publications
of Assoc. Prof. Dr. Dimitar Ivanov Kolev**

A. Selected publications in Nuclear Physics

Code: 01.03.04.

(only Journal articles since 1990)

I. Articles in international journals

1. Radiation Field from a Large Cylindrical Source.

A. Proykova, K. Christova, T. Christov, N. Nenov, D. Kolev.

Appl. Radiat. Isot. 42, 3, 279-283, 1991. Int. J. Radiat. Appl. Instrum. Part A.

2. Excitation functions and isomeric ratios in the reaction $^{130}\text{Te}(\alpha, xpyn)$ for α -particle energies between 15 and 37 MeV.

A. Kirov, N. Nenov, D. Kolev.

Z. Phys. A 341, 443-452, 1992

3. 14.5-MeV Neutron Capture Cross-Section Measurements in ^{160}Gd with Activation Technique.

Chr. Necheva, N. Nenoff, M. Vlasarev, A. Kirov, D. Kolev.

Acta Phys. Hungar. 71 (3-4), 171-177, 1992

4. 14.5 MeV Neutron Capture Cross-Section Measurements in ^{181}Ta with Activation Technique.

Chr. Necheva, D. Kolev, M. Vlasarev.

J. Phys. G: Nucl. Part. Phys. 20, L33-L36. 1994

5. A convenient method for experimental determination of yields and isomeric ratios in photonuclear reactions measured by the activation technique.

D. Kolev, E. Dobрева, N. Nenov, V. Todorov.

Nucl. Instrum. Meth. A 365, 390-396, 1995

6. Excitation functions of α -induced reactions on gold for α -particle energies between 11 and 36 MeV.

Chr. Necheva, D. Kolev

Appl. Radiat. Isot. 48, 807-813, 1997

7. Studies of some isomeric yield ratios produced with bremsstrahlung.

D. Kolev

Appl. Radiat. Isot. 49, 989-995, 1998

8. The role of angular-momentum removal in photonuclear reactions as deduced from the isomeric ratios for $^{120m,g}\text{Sb}$ and $^{117m,g}\text{In}$.

D. Kolev, J. Ernst.

J. Phys. G: Nucl. Part. Phys. 24, 589-599, 1998

9. Experimental study of excitation functions and isomeric ratios for some ^3He -induced reactions on ^{93}Nb near the coulomb barrier.

Chr. Necheva, D. Kolev.

Yad. Fiz. 61(9), 1555-1561, 1998. Physics of Atomic Nuclei 61(9) 1445-1551, 1998

10. Pre-equilibrium Alpha and Nucleon Emission in $^{59}\text{Co}(\alpha, zaypxn)$ Reactions.

S.Mukherjee, D.Bakhru, A.K.Sharma, N.L.Singh, D.Kolev.
Physica Scripta 58(4), 319-325, 1998

II. Articles in local (BG) journals

- 1. A Generalized Approach for Experimental Determination of Yields and Isomeric Ratios in Photonuclear Reactions Measured by the Activation Technique.**
D. Kolev, E. Dobрева, N. Nenov, V. Todorov.
Comptes rendus de l'Academie Bulgare des Sciences, Tome 47, No 10, 25-28, 1994
- 2. Experimental Determination of the Isomeric Yield Ratios of $^{117m,g}\text{In}$ and $^{120m,g}\text{Sb}$ in Photonuclear Reactions.**
D. Kolev, T. D. Thiep, V. Todorov.
Comptes rendus de l'Academie Bulgare des Sciences, Tome 47, No 12, 49-52, 1994
- 3. Experimental Determination of Isomeric Ratios in Photonuclear Reactions at Low Energy Excitations.**
D. Kolev, N. Nenov, V. Todorov.
Comptes rendus de l'Academie Bulgare des Sciences, Tome 48, No 2, 33-36, 1995
- 4. α -Induced Reactions on Gold for α -particle Energies between 11 and 36 MeV.**
Chr. Necheva, N. Nenov, D. Kolev.
Comptes rendus de l'Academie Bulgare des Sciences, Tome 48, No 3, 13-16, 1995
- 5. Interpretation of Isomeric Ratios Obtained in Photonuclear Reactions.**
D. Kolev, D. Bratovanov.
Comptes rendus de l'Academie Bulgare des Sciences, Tome 48, No 7, 39-42, 1995

Statistics for this section:

(based on the metric developed by SPIRES DB:

<http://www.slac.stanford.edu/spires/play/citemetrics>

Total eligible papers analyzed:	15
Total number of citations:	33
(independent citations only):	
Number of independent citations:	23
Average citations per paper:	1.5
h:	3
Total of cites/authors:	10.8
Average of cites/authors:	0.72

Total IF = 7.171

Individual IF = 2.744

B. Publications in Particle Physics

Code: 01.03.05.

(from 1995 to Dec. 2010)

I. Journal articles

- 1. Study of the $p + {}^6\text{Li} \rightarrow \eta + {}^7\text{Be}$ reaction 11.3 MeV above threshold**
By COSY-GEM Collaboration (A. Budzanowski, ..., D. Kolev *et al.*)
Phys.Rev.C82:041001,2010. e-Print: [arXiv:1010.4140](https://arxiv.org/abs/1010.4140) [nucl-ex]
- 2. Cross section of the $pp \rightarrow K^+\Sigma^+n$ reaction close to threshold.**
By HiRes Collaboration (A. Budzanowski, ..., D. Kolev *et al.*)
Phys.Lett.B692:10-14,2010. e-Print: [arXiv:1007.1542](https://arxiv.org/abs/1007.1542) [hep-ex]
- 3. Measurements of forward proton production with incident protons and charged pions on nuclear targets at the CERN Proton Synchrotron.**
By HARP Collaboration (M. Apollonio, ..., D. Kolev *et al.*).
Phys.Rev.C82:045208,2010. e-Print: [arXiv:1006.1223](https://arxiv.org/abs/1006.1223) [hep-ex]. CERN-PH-EP-2010-016
- 4. High resolution study of the Λp final state interaction in the reaction $p + p \rightarrow K^+ + (\Lambda p)$.**
The HIRES Collaboration (A. Budzanowski, ..., D. Kolev *et al.*)
Phys.Lett.B687:31-35,2010. e-Print: [arXiv:1003.0290](https://arxiv.org/abs/1003.0290) [nucl-ex]
- 5. Large-angle production of charged pions with incident pion beams on nuclear targets.**
By HARP Collaboration (M. Apollonio, ..., D. Kolev *et al.*)
Phys.Rev.C80:065207,2009. e-Print: [arXiv:0907.1428](https://arxiv.org/abs/0907.1428) [hep-ex]
- 6. Comparison of large-angle production of charged pions with incident protons on cylindrical long and short targets.**
By HARP Collaboration (M. Apollonio, ..., D. Kolev *et al.*)
Phys.Rev.C80:065204,2009. e-Print: [arXiv:0909.0337](https://arxiv.org/abs/0909.0337) [hep-ex]
- 7. Forward production of charged pions with incident protons on nuclear targets at the CERN PS.**
By HARP Collaboration (M. Apollonio, ..., D. Kolev *et al.*)
Phys.Rev.C80:035208,2009. e-Print: [arXiv:0907.3857](https://arxiv.org/abs/0907.3857) [hep-ex]
- 8. Precision measurements of the $pp \rightarrow \pi^+pn$ and $pp \rightarrow \pi^+d$ reactions: Importance of long-range and tensor force effects.**
By COSY-GEM Collaboration (A. Budzanowski, ..., D. Kolev *et al.*)
Phys.Rev.C79:061001,2009 e-Print: [arXiv:0904.3417](https://arxiv.org/abs/0904.3417) [nucl-ex]
- 9. The OPERA experiment in the CERN to Gran Sasso neutrino beam.**
R. Acquafredda, ..., D. Kolev, *et al.*
JINST 4:P04018,2009.
- 10. The Detection of neutrino interactions in the emulsion/lead target of the OPERA experiment.**
N. Agafonova, ..., D. Kolev *et al.*
JINST 4:P06020,2009. e-Print: [arXiv:0903.2973](https://arxiv.org/abs/0903.2973) [hep-ex]
- 11. Dynamic Distortions in the HARP TPC: Observations, measurements, modelling and corrections.**

A. Bagulya,..., D. Kolev *et al.*
JINST 4:P11014,2009. *e-Print: arXiv:0903.4762 [physics.ins-det]*

12. **Forward production of charged pions with incident π^\pm on nuclear targets measured at the CERN PS.**
By HARP Collaboration (M. Apollonio,..., D. Kolev *et al.*)
Nucl.Phys.A821, 118-192, 2009. *e-Print: arXiv:0902.2105 [hep-ex]*
13. **Search for bound η -nucleus states.**
By GEM Collaboration (J. Urban,..., D. Kolev *et al.*)
Int.J.Mod.Phys.A24, 206-213, 2009.
14. **Search of η -nucleus bound state formation in recoil free transfer reactions.**
V. Jha,..., D. Kolev, *et al.*
Int.J.Mod.Phys.E18:1378-1382,2009.
15. **Search for η -mesic nuclei in recoil-free transfer reaction.**
By COSY-GEM Collaboration (A. Budzanowski,..., D. Kolev *et al.*)
Phys.Rev.C79, 012201, 2009. *e-Print: arXiv:0812.4187 [nucl-ex]*
15. **Cross Section and Tensor Analysing Power of the $dd \rightarrow \eta\alpha$ Reaction Near Threshold.**
By GEM Collaboration (A. Budzanowski,..., D. Kolev *et al.*)
Nucl.Phys.A821, 193-209, 2009. *e-Print: arXiv:0811.3372 [nucl-ex]*
17. **A threshold Cherenkov detector for K^+/π^+ separation using silica aerogel.**
R. Siudak,..., D. Kolev *et al.*
Nucl.Instrum.Meth.A596, 311-316, 2008.
18. **Large-angle production of charged pions with 3-12.9 GeV/c incident protons on nuclear targets.**
By HARP Collaboration (M.G. Catanesi,..., D. Kolev *et al.*)
Phys.Rev.C77, 055207, 2008. *e-Print: arXiv:0805.2871 [hep-ex]*
19. **Leading order analysis of neutrino induced dimuon events in the CHORUS experiment.**
By CHORUS Collaboration (A. Kayis-Topaksu,..., D. Kolev *et al.*)
Nucl.Phys.B798, 1-16, 2008. *e-Print: arXiv:0804.1869 [hep-ex]*. CERN-PH-EP-2008-008
20. **Forward π^\pm production in p -O₂ and p -N₂ interactions at 12 GeV/c.**
By HARP Collaboration (M.G. Catanesi,..., D. Kolev *et al.*)
Astropart.Phys.30:124-132, 2008. *e-Print: arXiv:0807.1025 [hep-ex]*, CERN-PH-EP-2008-010
21. **Absolute momentum calibration of the HARP TPC.**
M.G. Catanesi,..., D. Kolev *et al.*
JINST 3, P04007, 2008.
22. **Measurement of the production cross-sections of π^\pm in p - C and π^\pm - C interactions at 12 GeV/c.**
By HARP Collaboration (M.G. Catanesi,..., D. Kolev *et al.*)
Astropart.Phys.29, 257-281, 2008.
23. **Final results on $\nu_\mu \rightarrow \nu_\tau$ oscillation from the CHORUS experiment.**

By CHORUS Collaboration (E. Eskut,..., D. Kolev *et al.*)
Nucl.Phys.B793, 326-343, 2008. *e-Print: arXiv:0710.3361 [hep-ex]*

24. Large-angle production of charged pions by 3 GeV/c - 12.9 GeV/c protons on beryllium, aluminium and lead targets.

By HARP Collaboration (M.G. Catanesi,..., D. Kolev *et al.*)
Eur.Phys.J.C54, 37-60, 2008. *e-Print: arXiv:0709.3458 [hep-ex]*

25. Large-angle production of charged pions by 3 GeV/c – 12 GeV/c protons on carbon, copper and tin targets.

By HARP Collaboration (M.G. Catanesi,..., D. Kolev *et al.*)
Eur.Phys.J.C53, 177-204, 2008. *e-Print: arXiv:0709.3464 [hep-ex]*

26. The Time Response of Glass Resistive Plate Chambers to Heavily Ionizing Particles.

A. Artamonov,..., D. Kolev *et al.*
JINST 2:P10004,2007. *e-Print: arXiv:0709.3756 [physics.ins-det]*

27. Associated Charm Production in Neutrino-Nucleus Interactions.

By CHORUS Collaboration (A. Kayis-Topaksu,..., D. Kolev *et al.*)
Eur.Phys.J.C52, 543-552, 2007. *e-Print: arXiv:0708.2820 [hep-ex].* CERN-PH-EP-2007-031

28. Charged Particle Multiplicities in Charged-Current Neutrino and Anti-Neutrino Nucleus Interactions.

By CHORUS Collaboration (A. Kayis-Topaksu,..., D. Kolev *et al.*)
Eur.Phys.J.C51, 775-785, 2007. *e-Print: arXiv:0707.1586 [hep-ex].* CERN-PH-EP-2007-023

29. Measurement of the production of charged pions by protons on a tantalum target.

By HARP Collaboration (M.G. Catanesi,..., D. Kolev *et al.*)
Eur.Phys.J.C51, 787-824, 2007. *e-Print: arXiv:0706.1600 [hep-ex]*

30. A Large acceptance scintillator detector with wavelength shifting fibre read-out for search of eta-nucleus bound states.

By GEM Collaboration (M.G. Betigeri,..., D. Kolev *et al.*)
Nucl.Instrum.Meth.A578:198-206,2007. *e-Print: arXiv:0705.2386 [physics.ins-det]*

31. Particle identification algorithms for the HARP forward spectrometer.

M.G. Catanesi,..., D. Kolev *et al.*
Nucl.Instrum.Meth.A572, 899-921, 2007.

32. Measurement of the production cross-section of positive pions in the collision of 8.9-GeV/c protons on beryllium.

M.G. Catanesi,..., D. Kolev *et al.*
Eur.Phys.J.C52, 29-53, 2007. *e-Print: hep-ex/0702024*

33. The HARP detector at the CERN PS.

By HARP Collaboration (M.G. Catanesi,..., D. Kolev *et al.*)
Nucl.Instrum.Meth.A571, 527-561, 2007

34. Physics performance of the barrel RPC system of the HARP experiment.

By HARP Collaboration (M. Bogomilov,..., D. Kolev *et al.*)
IEEE Trans.Nucl.Sci.54, 342-353, 2007.

- 35. First events from the CNGS neutrino beam detected in the OPERA experiment.**
By OPERA Collaboration (R. Acquafredda,..., D. Kolev *et al.*)
New J.Phys.8, 303, 2006. e-Print: [hep-ex/0611023](#)
- 36. Measurement of the production cross-section of positive pions in p -A collisions at 12.9 GeV/c.**
By HARP Collaboration (M.G. Catanesi,..., D. Kolev *et al.*). IFIC-05-53, Oct 2005.
Nucl.Phys.B732, 1-45, 2006. e-Print: [hep-ex/0510039](#)
- 37. Measurement of nucleon structure functions in neutrino scattering.**
By CHORUS Collaboration (G. Onengut,..., D. Kolev *et al.*)
Phys.Lett.B632, 65-75, 2006. CERN-PH-EP-2005-048
- 38. A precision determination of the mass of the η meson.**
By GEM Collaboration (M. Abdel-Bary,..., D. Kolev *et al.*)
Phys.Lett.B619, 281-287, 2005
- 39. Search for superfragments and measurement of the production of hyperfragments in neutrino nucleus interactions.**
By CHORUS Collaboration (G. Onengut,..., D. Kolev *et al.*)
Nucl.Phys.B718, 35-54, 2005
- 40. Measurements of D^0 production and of decay branching fractions in neutrino nucleon scattering.**
By CHORUS Collaboration (G. Onengut,...,D.Kolev *et al.*)
Phys.Lett.B613, 105-117, 2005
- 41. Measurement of D^{*+} production in charged-current neutrino interactions.**
By CHORUS Collaboration (G. Onengut,...,D.Kolev *et al.*)
Phys.Lett.B614, 155-164, 2005
- 42. Measurement of topological muonic branching ratios of charmed hadrons produced in neutrino-induced charged-current interactions.**
By CHORUS Collaboration (A. Kayis-Topaksu,..., D. Kolev. *et al.*)
Phys.Lett.B626, 24-34, 2005
- 43. Detailed comparison of the $pp \rightarrow \pi^+ pn$ and $pp \rightarrow \pi^+ pd$ reactions at 951 MeV.**
By GEM Collaboration (M. Abdel-Bary,..., D.Kolev *et al.*)
Phys.Lett.B610, 31-36, 2005
- 44. Experimental study of trimuon events in neutrino charged-current interactions.**
By CHORUS Collaboration (A. Kayis-Topaksu,..., D. Kolev *et al.*)
Phys.Lett.B596:44-53,2004. CERN-PH-EP-2004-029
- 45. Measurement of fragmentation properties of charmed particle production in charged-current neutrino interactions.**
By CHORUS Collaboration (G. Onengut,..., D. Kolev *et al.*)
Phys.Lett.B604:145-156,2004. CERN-PH-EP-2004-056
- 46. Measurement of charm production in antineutrino charged-current interactions.**
By CHORUS Collaboration (G. Onengut ,..., D. Kolev *et al.*)
Phys.Lett.B604:11-21,2004. CERN-PH-EP-2004-057
- 47. π^0 - η meson mixing in $pd \rightarrow {}^3\text{H}\pi^+\beta\text{He}\pi^0$ reactions.**
M. Abdel-Bary,..., D. Kolev *et al.*

Phys.Rev.C68:021603,2003

48. Measurement of the Z/A dependence of neutrino charged-current total cross-sections.

By CHORUS Collaboration (A. Kayis-Topaksu, ..., D. Kolev *et al.*)
Eur.Phys.J.C30:159-167,2003. CERN-EP-2002-102

49. Measurement of Λ_c^+ production in neutrino charged-current interactions.

By CHORUS Collaboration (A. Kayis-Topaksu, ..., D. Kolev *et al.*)
Phys.Lett.B555:156-166,2003. CERN-EP-2003-001

50. Isospin symmetry breaking and scaling observed in pion production in $p + d$ reactions.

S. Abdel-Samad, , D. Kolev *et al.*
Phys.Lett.B553:31-37,2003

51. Cross-section measurement for quasi-elastic production of charmed baryons in νN interactions.

By CHORUS Collaboration (A. Kayis-Topaksu, , D. Kolev *et al.*)
Phys.Lett.B575:198-207,2003. CERN-EP-2003-063

52. Determination of the semi-leptonic branching fraction of charm hadrons produced in neutrino charged-current interactions.

By CHORUS Collaboration (A. Kayis-Topaksu, , D. Kolev *et al.*)
Phys.Lett.B549:48-57,2002, CERN-EP-2002-075

53. Measurement of the $pp \rightarrow pp\pi^0$ reaction at 850 MeV/c and partial wave cross-sections.

M. Betigeri, , D. Kolev *et al. et al.*
Phys.Rev.C65:064001,2002.

54. Observation of one event with the characteristics of associated charm production in neutrino charged-current interactions.

By CHORUS Collaboration (A. Kayis-Topaksu, , D. Kolev *et al.*)
Phys.Lett.B539:188-196,2002. CERN-EP-2002-036

55. Measurement of D^0 production in neutrino charged-current interactions.

By CHORUS Collaboration (A. Kayis-Topaksu, , D. Kolev *et al.*)
Phys.Lett.B527:173-181,2002. CERN-EP-2002-005

56. Magnetic spectrometer Big Karl for studies of meson production reactions.

J. Bojowald, , D. Kolev *et al.*
Nucl.Instrum.Meth.A487:314-322,2002.

57. Differential cross-sections measurement for the $pp \rightarrow d\pi^+$ reaction at 850-MeV/c.

By GEM Collaboration (M. Betigeri, , D. Kolev *et al.*)
Phys.Rev.C63:044011,2001. e-Print: [nucl-ex/0101001](#)

58. Simultaneous measurements of the $p + d \rightarrow (A = 3) + \pi$ reactions.

By GEM (M. Betigeri, , D. Kolev *et al.*)
Nucl.Phys.A690:473-493,2001. e-Print: [nucl-ex/0011019](#)

59. Measurement of $pd \rightarrow {}^3\text{He}\eta$ in $S(11)$ resonance.

By GEM Collaboration (M. Betigeri, , D. Kolev *et al.*)
Phys.Lett.B472:267-272,2000. e-Print: [nucl-ex/9912006](#)

- 60. The germanium wall of the GEM detector system.**
By GEM Collaboration (M. Betigeri, , D. Kolev *et al.*)
Nucl.Instrum.Meth.A421:447-457,1999.
- 61. Precise momentum determination of the external COSY proton beam near 1930 MeV/c.**
By GEM Collaboration (M.G. Betigeri, , D. Kolev *et al.*)
Nucl.Instrum.Meth.A426:249-253,1999.
- 62. Reply to comment on 'Total and differential cross-sections of $p + p \rightarrow \pi^+ + d$ reactions down to 275keV above threshold.**
M. Drochner, , D. Kolev *et al.*
Phys.Rev.Lett.83:1693,1999.
- 63. The $p + p \rightarrow \pi^+ + d$ reaction close to threshold at COSY.**
By GEM Collaboration (M. Drochner, , D. Kolev *et al.*)
Nucl.Phys.A643:55-82,1998.
- 64. Total and differential cross-sections of $p + p \rightarrow \pi^+ + d$ reactions down to 275 keV above threshold.**
By GEM Collaboration (M. Drochner, , D. Kolev *et al.*)
Phys.Rev.Lett.77:454-457,1996.

II. Conference reports

- 1. Search for the QCD critical point at SPS energies.**
By NA49 Collaboration and NA61/SHINE Collaboration (T. Anticic,...,D. Kolev *et al.*)
To appear in the proceedings of 2009 Europhysics Conference on High Energy Physics: HEP 2009 (EPS-HEP 2009), Cracow, Poland, 16-22 Jul 2009.
e-Print: arXiv:0909.0485 [hep-ex]
- 2. NA61/SHINE low energy program at SPS.**
By NA61 Collaboration (N. Abgrall,...,D. Kolev *et al.*)
Presented at 5th International Workshop on Critical Point and Onset of Deconfinement (CPOD), Brookhaven, Upton, New York, 8-12 Jun 2009.
e-Print: arXiv:0908.1697 [nucl-ex]
- 3. Study of the eta meson production in the $\bar{d} + d \rightarrow He + \eta$ reaction using the polarized beam.**
By GEM Collaboration (M. Lesiak,..., D. Kolev *et al.*)
Prepared for 9th International Workshop on Meson Production, Properties and Interaction (MESON 2006), Cracow, Poland, 9-13 Jun 2006
Int.J.Mod.Phys.A22, 523-527, 2007
- 4. Search for η -nucleus bound state at COSY.**
By GEM Collaboration (V. Jha,..., D. Kolev *et al.*)
Prepared for 9th International Workshop on Meson Production, Properties and Interaction (MESON 2006), Cracow, Poland, 9-13 Jun 2006
Int.J.Mod.Phys.A22, 596-599, 2007.
- 5. Na61/Shine at the CERN SPS.**
By NA61 Collaboration (Andras Laszlo,..., D. Kolev *et al.*)

Talk given at 4th International Workshop on Critical Point and Onset Deconfinement, Darmstadt, Germany, 9-13 Jul 2007

PoS CPOD07, 054, 2007. *e-Print: arXiv:0709.1867 [nucl-ex]*

6. A New SPS programme.

By NA49-future Collaboration (Marek Gazdzicki,..., D. Kolev, *et al.*)

Invited talk at 3rd International Workshop on Critical Point and Onset of Deconfinement, Florence, Italy, 3-6 Jul 2006

PoS CPOD2006, 016, 2006. *e-Print: nucl-ex/0612007*

7. η -meson physics at GEM.

H. Machner,..., D. Kolev *et al.*

Eta05 Workshop on Production and Decay of eta and eta-prime Mesons, Cracow, Poland, 15-18 Sep 2005

Acta Phys.Slov.56, 227-236, 2006. *e-Print: nucl-ex/0511034*

8. Measurement of the vector and tensor polarisation of proton and deuteron beams.

By GEM Collaboration (M. Abdel-Bary,..., D. Kolev *et al.*)

Talk given at 11th International Workshop on High Energy Spin Physics (DUBNA-SPIN-05), Dubna, Russia, 27 Sep - 1 Oct 2005

e-Print: hep-ex/0512033

9. Harp data and software migration from Objectivity to Oracle.

A. Valassi, D. Geppert, M. Lubeck, K. Nienartowicz, M. Nowak, E. Tcherniaev, D. Kolev Interlaken 2004, Computing in high energy physics and nuclear physics" 597-600, 2005

10. Isospin symmetry breaking as a tool for particle physics investigations.

A. Magiera,..., D. Kolev *et al.*

Prepared for Hadron 03: 10th International Conference on Hadron Spectroscopy, Aschaffenburg, Germany, 31 Aug - 6 Sep 2003.

AIP Conf.Proc.717:863-869,2004. Also in "Aschaffenburg 2003, Hadron spectroscopy" 863-869

11. Search for up-down quark mass differences via isospin symmetry breaking.

H. Machner,..., D. Kolev *et al.* 2003.

Prepared for International School of Nuclear Physics: 24th Course: Quarks in Hadrons and Nuclei, Erice, Sicily, Italy, 16-24 Sep 2002.

Prog.Part.Nucl.Phys.50:605-614,2003.

12. Simultaneous measurements of $p + d \rightarrow {}^3\text{He} + \pi^0$ and $p + d \rightarrow {}^3\text{H} + \pi^+$ reactions with the GEM detector.

S. Abdel-Samad,..., D. Kolev *et al.*

Prepared for 5th International Conference on Nuclear Physics at Storage Rings (STORI 2002), Uppsala, Sweden, 16-20 Jun 2002.

Phys.Scripta T104:88-90,2003.

13. Isospin symmetry breaking: Experimental observation.

By GEM Collaboration (J. Bojowald,..., D. Kolev *et al.*)

Prepared for CFIF Fall Workshop 2002: Nuclear Dynamics: From Quarks to Nuclei.

Dedicated to Peter Sauer on the Occasion of his 65th Birthday, Lisbon, Portugal, 31 Oct - 2 Nov 2002.

Few Body Syst.Suppl.15:61-66,2003. Also in "Lisbon 2002, Nuclear dynamics: From quarks to nuclei" 61-66

14. The π^0 - η meson mixing and isospin symmetry breaking.

By GEM Collaboration (A. Magiera,..., D. Kolev *et al.*)
Prepared for Meson 2002: 7th International Workshop on Meson Production, Properties and Interaction, Cracow, Poland, 24-28 May 2002.
Published in "Krakow 2002, Production, properties and interaction of mesons" 155-166

15. Isospin symmetry breaking and beam momentum independence observed in pion production in $p + d$ reactions.

By GEM Collaboration (M. Ulicny,..., D. Kolev *et al.*)
Prepared for Meson 2002: 7th International Workshop on Meson Production, Properties and Interaction, Cracow, Poland, 24-28 May 2002.
Published in *Krakow 2002, Production, properties and interaction of mesons* 333-337

16. The HIRES experiment at COSY and first test of a new Cherenkov detector.

By HIRES Collaboration (R. Siudak,..., D. Kolev *et al.*)
Prepared for Meson 2002: 7th International Workshop on Meson Production, Properties and Interaction, Cracow, Poland, 24-28 May 2002.
Published in "Krakow 2002, Production, properties and interaction of mesons" 447-450

17. Meson production in $p + d$ reactions.

By GEM Collaboration (M. Betigeri,..., D. Kolev *et al.*). Sep 2000. 4pp.
Talk presented at the XVIIth European Conference on Few-Body Problems in Physics, Evora, Portugal, September 2000.
AIP Conf.Proc.512:60-64,2000, PiN Newslett.16:243-248,2002. Also in "Bloomington 1999, Nuclear physics at storage rings" 60-64. *e-Print: nucl-ex/0009019*

18. Test of charge independence in $p + d \rightarrow (A = 3) + \pi$ reactions.

By GEM Collaboration (M. Betigeri,..., D. Kolev *et al.*)
Prepared for 15th International Conference on Particles and Nuclei (PANIC 99), Uppsala, Sweden, 10-16 Jun 1999
Nucl.Phys.A663:963-966,2000.

19. Meson production in $p + d$ reactions.

W. Klimala,..., D. Kolev *et al.* 2000
Prepared for 17th European Conference on Few-Body Problems in Physics, Evora, Portugal, 11-16 Sep 2000.
Acta Phys.Polon.B31:2231-2238,2000, Nucl.Phys.A689:398-401,2001.

20. Proposal to study hadron production for the neutrino factory and for the atmospheric neutrino flux.

M.G. Catanesi,..., D. Kolev *et al.*
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III. Preprints, CERN Reports, Memos, Proposals

1. Calibration and analysis of the 2007 data.

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2. Report from the NA61/SHINE experiment at the CERN SPS.

By NA61/SHINE Collaboration (N. Abgrall,..., D. Koley *et al.*)

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3. Report from the NA61/SHINE pilot run performed in October 2007. Addendum-3 to the proposal P330.

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4. Momentum scale in the HARP TPC.

By HARP Collaboration (M.G. Catanesi,..., D. Koley *et al.*)

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5. Further information requested in the proposal review process.

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6. Study of hadron production in hadron nucleus and nucleus nucleus collisions at the CERN SPS.

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8. Proposal for the wide angle shower apparatus (WASA) at COSY-Julich: WASA at COSY.

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Numerical summary for section B.:

Total Impact Factor:	209.434
Full number of citations:	1026
Independent citations:	814

More detailed metric available from SPIRES DB:

<http://www.slac.stanford.edu/spires/>

	Metric	
	All papers	Published only
Total eligible papers analyzed:	90	79
Total number of citations:	1026	922
Average citations per paper:	11.40	11.53
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h:	18	17
Total of cites/authors:	16.048	15.170
Average of cites/authors:	0.18	0.19
Total of (cites_to - self_cites):	814	716
Average of (cites_to - self_cites):	9.04	8.95