

## LIST OF SUMMER SCHOOLS OF PHYSICS HELD IN THE CARPATHIANS\*

Along the times, different names were used for the summer schools of physics organized in the Carpathians: Predeal International SSP, Brasov SSP and Carpathian SSP. Here, to the best of our current knowledge, the history of these schools, including the names of the organizers and the published Proceedings:

1964 - According to oral tradition: a session organized by IFA where V.G. Soloviev (JINR Dubna, USSR) attended as sole foreign lecturer.

There is a large gap here in our memory ...

1974 - *Proceedings of the International School on Nuclear Physics - Predeal, Romania, September 1974*, editor: A. Ciocanel et al. Editura Academiei RSR, Bucharest, Romania, 1976. 446 pp.

1976 - *“Heavy Ion Physics” Predeal International Summer School - Predeal, Romania, Sep. 1976*, editors: Valentin Ceausescu, I. A. Dorobantu. Central Institute of Physics Publ., Bucharest, Romania, 1977. 589 pp.

1978 - *“Heavy Ion Physics” Proceedings - Predeal International School 1978*, editors: A. Berinde, V. Ceausescu, I.A. Dorobantu. Central Institute of Physics Publ., Bucharest, Romania, 1978. 1219 pp.

1979. *“Recent Advances in Statistical Mechanics” Proceedings - Brasov International School, Aug. – Sep. 1979*, editor: A. Corciovei, Central Institute of Physics Publ., Bucharest, Romania, 1980.

1980 – *“Critical Phenomena In Heavy Ion Physics”, Brasov International School, 1980*. Organizing Committee: directors: M. Petrascu, A.A. Raduta, scientific secretaries: G. Stratan, V. Zoran. *Proceedings* - Central Institute Of Physics Publ., Bucharest, Romania, 1982. 1124 pp.

1981 - *“Gauge Theories: Fundamental Interactions and Rigorous Results” Proceedings - International Summer School of Theoretical Physics Poiana Brasov, Romania “*. Organizers: V Ceausescu, G. Costache and V. Georgescu. Editors: P. Dita, V. Georgescu and R. Purice, published in “Progress in Physics”, vol 5, “Critical Phenomena”, Basel, Stuttgart: Boston Birkhauser, 1982. ISBN 3-7643-3095-3.

1982 – *“Nuclear Collective Dynamics” - Lectures of the 1982 International Summer School Of Nuclear Physics Poiana Brasov, Romania, 26 August - 7 September 1982*, editors: D. Bucurescu, V. Ceausescu, N.V. Zamfir, World Scientific Publishing, Singapore, 1983.

1983 - *“Critical Phenomena” – Proceedings of the Brasov School Conference.* Organizers: V Ceausescu, G. Costache and V. Georgescu. Editors: V. Ceausescu, G. Costache and V. Georgescu published in “Progress in Physics”, vol 11, “Critical Phenomena”, Basel, Stuttgart: Birkhauser Boston, 438 pp, 1985. ISBN 3-7643-3289-1.

1984 - *“Atomic and Nuclear Heavy Ion Interactions” - proceedings of the 15<sup>th</sup> Course of the Brasov International School in Physics, Poiana Brasov, Romania, August 28 - September 8, 1984.*

First Part: *“Atomic Physics”*, editors: Al Berinde, I.A. Dorobantu, V. Zoran , Central Institute of Physics Publ., Bucharest, Romania, 1986. 482 pp.

Second Part: *“Nuclear Physics”*, editors: G. Semenescu, I.A. Dorobantu, N.V. Zamfir. Central Institute of Physics Publ., Bucharest, Romania, 1986. 761 pp.

1986 - Poiana Brasov International Summer School of Physics.

*“Symmetries and Semiclassical Features of Nuclear Dynamics” . Invited Lectures of the 1986 International Summer School Held at Poiana Brasov, Romania, September 1-13, 1986.* Series: Lecture Notes in Physics, Vol. 279, Raduta, A.A. (Ed.), Springer Verlag, Berlin, 1987. ISBN 978-3-540-17926-9.

1988 - *“Recent Advances In Nuclear Physics” - Lectures of the 1988 International Summer School Of Nuclear Physics, August 30<sup>th</sup> - September 9<sup>th</sup>, 1988, Poiana Brasov, Romania,* editors: M. Petrovici, N.V. Zamfir, World Scientific, Singapore, 1989. 537 pp.

1990 –*“Nuclear Structure Recent Advances In Nuclear Structure” – Proceedings - Predeal, Romania, August 28<sup>th</sup> - September 8<sup>th</sup> 1990,* editors: D. Bucurescu, G. Cata-Danil, N.V. Zamfir, World Scientific, Singapore, 1991. 514 pp.

1991 - "New Trends in Theoretical and Experimental Nuclear Physics" – Proceedings - Predeal International Summer School of Physics, Predeal, Romania, Aug 26<sup>th</sup> – Sep 7<sup>th</sup> 1991, editors: A.A. Raduta, D.S. Delion, I.I. Ursu, World Scientific, Singapore, New Jersey, London, Hong Kong, 1992. ISBN 981-02-0906-1C

1992 - Predeal International summer school of physics, NATO Advanced Study Institute, Org: V. Zoran, A Calboreanu., L. Trache, V. Florescu.

*“Topics in Atomic and Nuclear Collisions”* Proceedings of a NATO ASI held in Predeal, Romania, August 31-September 11, 1992. Series: Nato Science Series B, Vol. 321 Remaud, B.; Calboreanu, A.; Zoran, V. (Eds.), Springer Verl., Berlin, 1994, 478pp. ISBN 978-0-306-44662-7

1995 – *“Collective Motion And Nuclear Dynamics” – Proceedings - Predeal International Summer School, August 28<sup>th</sup> - September 9<sup>th</sup> , 1995, Predeal, Romania,*

editors: A.A.Raduta, D. Bucurescu, D.S.Delion, I.I. Ursu. World Scientific, Singapore, 1996. 571 pp. ISBN 98102252882.

1998 Predeal International Summer School.

*“Structure and Stability of Nucleon and Nuclear Systems”*. *Proceedings of Predeal International Summer School, Predeal, Romania*. AA Raduta, II Ursu and S Stoica (eds.), World Scientific, Singapore, 1999. ISBN-10: 981023774X.

2000 - *Predeal International Summer School of Physics: “Nuclei far from stability and Astrophysics”*. Organizers: DN Poenaru and H. Rebel, directors. 28.08- 08.09 2000. Proc of NATO Advanced Study Institute on “Nuclei Far from Stability and Astrophysics”, eds. DN Poenaru, H. Rebel and J. Wentz. NATO Science series, II Mathematics, Physics and Chemistry, vol. 17. Kluwer Academic Publishers, Dordrecht, Boston, London, 2001.

2005 – *“Exotic Nuclei and Nuclear/Particle Astrophysics” – Proceedings - Carpathian Summer School of Physics 2005, Mamaia-Constanta, Romania, June 13<sup>th</sup> – June 24<sup>th</sup> , 2005*, editors: S. Stoica, L. Trache and R. Tribble, New Jersey: World Scientific Publishing Co. Pte. Ltd., 484 pp, 2006. ISBN 981-270-007-2

2006 – *“Collective Motion And Phase Transitions In Nuclear Systems” - Proceedings - The Predeal International Summer School In Nuclear Physics, Predeal, Romania August 28<sup>th</sup> - September 9<sup>th</sup> , 2006*, Editors: A.A. Raduta; V. Baran; A.C. Gheorghe; I. Ursu , World Scientific Publ., Singapore, 2007. 672 pp. ISBN 9789812700834

2007 – *“Exotic Nuclei and Nuclear/Particle Astrophysics (II)” – Proceedings: The Carpathian Summer School of Physics 2007, Sinaia, Romania, August 20<sup>th</sup> – 31<sup>st</sup> , 2007*, editors: L. Trache and S. Stoica. American Institute of Physics (AIP), Conference Proceedings, vol. 972, Melville, New York, 2008. 617pp. ISBN 978-0-7354-0490-8, ISSN 0094-243X.

2010 – *“Exotic Nuclei and Nuclear/Particle Astrophysics (III) – From Nuclei to Stars” Proceedings - Carpathian Summer School of Physics 2010, Sinaia, Romania, June 20<sup>th</sup> – July 3<sup>rd</sup> , 2010*. Editors: L. Trache, S. Stoica and A. Smirnov; American Institute of Physics (AIP), Conference Proceedings, vol. 1304, Melville, New York, 2010. ISBN 978-0-7354-0859-3, ISSN 0094-243X.

2012 – *“Exotic Nuclei and Nuclear/Particle Astrophysics (IV) – From Nuclei to Stars” Proceedings - Carpathian Summer School of Physics 2012, Sinaia, Romania, June 20<sup>th</sup> – July 3<sup>rd</sup> , 2012*. Editors: Livius Trache and Paula Gina Isar; American Institute of Physics (AIP), Conference Proceedings, vol. 1498, Melville, New York, 2012. ISBN 978-0-7354-1112-8, ISSN 0094-243X.

2014 – “*Exotic Nuclei and Nuclear/Particle Astrophysics (V) – From Nuclei to Stars*” *Proceedings - Carpathian Summer School of Physics 2014, Sinaia, Romania, July 13<sup>th</sup> – 26<sup>th</sup>, 2014*. Editors: Livius Trache, Daniela Chesneanu and Calin Alexandru Ur; American Institute of Physics (AIP), Conference Proceedings, vol. 1645, Melville, New York, 2015. ISBN-978-0-7354-1284-2.

2016 – “*Exotic Nuclei and Nuclear/Particle Astrophysics (VI). Physics with small accelerators*” - *Proceedings - Carpathian Summer School of Physics 2016, Sinaia, Romania, June 26<sup>th</sup> – July 9<sup>th</sup>, 2016*. Editors: Livius Trache and Dan G. Ghita; American Institute of Physics (AIP), Conference Proceedings, vol. 1852, Melville, New York, June 30, 2017. ISBN: 978-0-7354-1526-3.

2018 – “*Exotic Nuclei and Nuclear/Particle Astrophysics (VII). Physics with small accelerators*” - *Proceedings - Carpathian Summer School of Physics 2018, Sinaia, Romania, July 1<sup>st</sup> - 14<sup>th</sup>, 2018*. Editors: Livius Trache et al.; American Institute of Physics (AIP), Conference Proceedings, Melville, New York, to be published.

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