

Publications on Solar physics Публикации по Сълнчева физика

.**Shopov Y., D. Stoykova** (2010) Cycles of the **Solar Wind Flux** at the Front of the Earth's Magnetosphere. 3rd School and workshop on space plasma physics, 1–12 September 2010, Kiten, (Bulgaria), *AIP Conf. Proc.*, v. 1356, pp. 192-203; doi:10.1063/1.3598105

.**Shopov Y.Y., D. A. Stoykova**, K. Stoitchkova, L.T.Tsankov, A. Tanev, Kl. Burin , St. Belchev, V. Rusanov, D. Ivanov, A.Stoev, P. Muglova, I. Iliev (20078) Structure and Interactions of the **Solar Dust Corona** with the other Coronal Components. *Journal of Atmospheric and Solar-Terrestrial Physics* , v. 70 pp. 356–364, doi:10.1016/j.jastp.2007.08.058

-b.In Abstracts of International Coronal Workshop “Heliophysics, Eclipses and Space Missions”,Gorno- Altaysk, Russia, 4-6 August 2008, pp. 31

.Stoeva P., Stoev A., Kuzin S., **Shopov. Y.** , Kiskinova N., Stoyanov N., Pertsov A (2008) Investigation of the white light and monochromatic **corona structure** during the total **solar eclipse** on March 29, 2006 *Journal of Atmospheric and Solar-Terrestrial Physics* v. 70, pp. 414–419, doi:10.1016/j.jastp.2007.08.051

-b.In Abstracts of International Coronal Workshop “Heliophysics, Eclipses and Space Missions”,Gorno- Altaysk, Russia, 4-6 August 2008, pp. 33

.**Shopov Y.Y., D. A. Stoykova**, K. Stoitchkova, L.T.Tsankov, A. Tanev (in press) **Plasma Interactions in the Far Solar Corona**: Latest Experimental Data. Proceedings of BG-URSI School and Workshop on Waves and Turbulence Phenomena in Space Plasmas. 1–9 July, 2006, Kiten, Bulgaria. *BSSPP Proceedings, Series No. 1*, pp.129-142.

.Stoev A., Muglova P., **Shopov Y.**, Tanev A., Nikolov A. (2003) Integral Photometry of the **Solar Corona** Brightness During the Total Solar Eclipse on 11 August 1999. - “First Results of 1999 Total Solar Eclipse Observations”, Proceedings of the International Conference, Varna, Bulgaria, 11-15 Sept. 2000, (ed. by D. N. Mishev and K. J. H. Phillips), ”Prof. M. Drinov” Academic Publishing house, Sofia, pp.159-161 **ISBN 954-430-840-7**

b. - Abstracts of International Conference “First Results of 1999 Total Solar Eclipse Observations”, 11-15 Sept. 2000, p.8

.Stoev A., **Shopov Y.**, Muglova P., N. Kiskinova, Yu. Varbanova (2003) Structure, Microstructure, Interactions and Limits of the **Solar Corona** in Integral Light During Observations of Total Solar Eclipse on 11 August 1999. –in “First results of 1999 Total Eclipse Observations”. Proceedings of the International Conference, Varna, Bulgaria, 11-15 Sept. 2000, (ed. by D. N. Mishev and K. J. H. Phillips), ”Prof. M. Drinov” Academic Publishing house, Sofia, pp.143-150 **ISBN 954-430-840-7**

b. - Abstracts of International Conference “First Results of 1999 Total Solar Eclipse Observations”, 11-15 Sept. 2000, p.25

.**Shopov Y.**, M. Todorova, M. Sanabria, Yu. Varbanova, Stoev A. (2002) Registration of the Invisible Components of the **Solar Corona** by a New Technique for Color Photometry. In: Proc. of IX-th Nat. Conf. with International Participation on Modern Problems of Solar- Terrestrial Interactions, 21-22 November 2002, Sofia, pp. 113-115. (B)

.**Shopov Y.**, M. Todorova, M. Sanabria, **D. Stoykova**, A. Tanev (2002) Separation of Components of the Solar Corona by their Spectral Distribution and Visualization of Fine Details of the **Solar Corona** by a New Technique for Color Photometry. In: Proc. of IX-th Nat. Conf. with International Participation on Modern Problems of Solar- Terrestrial Interactions, 21-22 November 2002, Sofia, pp. 117-120.

.**Shopov Y. Y.**, L. Tsankov, St. Belchev, St. Stoev, D. Kokotanekov, J. Kokotanekova, A. Stoev, **D. A. Stoykova**, A. Tanev, D. Petrov, K. Burin, T. Yalamov, Momcheva, L. Vrigazov, A. Krumov, V. Rusanov, D. Ivanov, M. Tsvetkov, Ch. Lukarski, L. Ivanova, A. Paneva, T. Ostromsky and P. Delchev- Correlated Photometric Observations of the National Programme for Research of the Total **Solar Eclipse** (on August, 11, 1999) - proceeding of the VI-th National Conference of the Solar- Terrestrial Influences, 18- 19 November 1999, Sofia, pp. 26-28 (in Bulgarian).

.**Shopov Y. Y., D. A. Stoykova** (1999)- Separation of Components of the **Solar Corona**- proceeding of the VI-th National Conference of the Solar- Terrestrial Influences, 18- 19 November 1999, Sofia, pp. 19- 21, (in Bulgarian)

.Dermendjiev V., **Shopov Y. Y.**, Buyukliev G. Solar activity in the past and the problem of **Solar Dynamo**. -Solar Physics, 128, 217-25 ISSN **0038-0938**

.Vardosanidze Z. V., Kakichashvily Sh. D., **Shopov Y. Y.** An Attempt for Application of the New Photoanisotropic (Polarization) Materials for Photography of the Sun.- Annales Geophysicae, s. i., 241 ISSN **0992- 7689**

.Dermendjiev V., Buyukliev G., **Shopov Y. Y.** The Prolonged Minima and Maxima of **Solar activity**. - In: "The Sun and Cool Stars: activity, magnetism, dynamos", Ed. By I. Tuominen, D. Moss, G. Rudiger, IAU Symp. Ser., Lecture Notes in Physics, No. 130, Springer Verlag, pp. 268- 270. **ISBN 3-540-53955-7**

.Dermendjiev V., **Shopov Y. Y.** New indirect data on Solar Activity and the Reality of the Maunder and Sporer minima. - In book "Solar- terrestrial Variability and Global Change", ed. by W. Schroder, J.P. Legrand, Int. Commission on history of IAGA, Bremen- Roennebeck, Germany, pp.145- 153. **ISBN 0-521-46194-4**

Heliospheric physics **Хелиосферна физика**

.**Shopov Y.Y., D. A. Stoykova**, K. Stoitchkova, L.T.Tsankov, A. Tanev, Kl. Burin , St. Belchev, V. Rusanov, D. Ivanov, A.Stoev, P. Muglova, I. Iliev (20078) Structure and Interactions of the **Solar Dust Corona** with the other Coronal Components. Journal of Atmospheric and Solar-Terrestrial Physics , v. 70 pp. 356–364, doi:10.1016/j.jastp.2007.08.058

-b.In Abstracts of International Coronal Workshop "Heliophysics, Eclipses and Space Missions",Gorno- Altaysk, Russia, 4-6 August 2008, pp. 31

.Stoeva P., Stoev A., Kuzin S., **Shopov. Y.** , Kiskinova N., Stoyanov N., Pertsov A (2008) Investigation of the white light and monochromatic **corona structure** during the total **solar eclipse** on March 29, 2006 Journal of Atmospheric and Solar-Terrestrial Physics v. 70, pp. 414–419, doi:10.1016/j.jastp.2007.08.051

-b.In Abstracts of International Coronal Workshop "Heliophysics, Eclipses and Space Missions",Gorno- Altaysk, Russia, 4-6 August 2008, pp. 33

.**Shopov Y. Y.** (2003) **Eclipse**. - In book: Encyclopedia "World of Earth Science", v.2, Ed. By Lerner K. L, Lerner B. W., Thomson Publishing's Gale Group, Montrose (USA), pp. 185- 186. 736 pages Vol. 1, **ISBN: 078767740X, ISBN: 0787677418;**

-*Gale Encyclopedia of Science*, 3rd edition (December 2003), 6 volumes, Lerner, K. L., and B. W. Lerner (editors), Published by Thomson/Gale, 2003. **ISBN: 0787675555**

.Shopov Y. Y., D. A. Stoykova, A. I. Tanev, D. Petrov, T. Ostromsky, K. Burin, L. Tsankov (1999)- Determination of the Spectral Distribution of the Infrared and Visible Light in the **Solar Corona**- proceeding of the VI-th National Conference of the Solar- Terrestrial Influences, 18- 19 November 1999, Sofia, pp. 22-25 (in Bulgarian).

b. - In Abstracts of International Conference “First Results of 1999 Total Solar Eclipse Observations”, 11-15 Sept. 2000, Varna, p.7.

.Shopov Y. Y., D. Petrov, L. T. Tsankov, K. Burin (1999) Registration of the **Far Solar Corona** (over 25 radius) from Mig- 21. - Proceeding of the VI-th National Conference of the Solar- Terrestrial Influences, 18- 19 November 1999, Sofia, pp.15-18 (in Bulgarian).