Анатолий Алексеевич Логунов

(30.12.1926 – 01.03.2015)

1 марта 2015 года ушел из жизни выдающийся ученый, государственный деятель, организатор науки и педагог, создатель Института физики высоких энергий, Герой Социалистического Труда, лауреат Ленинской премии, действительный член Российской академии наук Анатолий Алексеевич Логунов.

Анатолий Алексеевич Логунов родился 30 декабря 1926 года в. д.Обшаровка Самарской области. В 1951 году окончил физический факультет, а в 1953 году аспирантуру Московского государственного университета имени М. В. Ломоносова по специальности теоретическая физика. С 1954 года по 1956 год работал в МГУ. С 1956 года - заместитель директора Лаборатории теоретической физики Объединенного института ядерных исследований.

В 1963 году Анатолий Алексеевич Логунов назначен директором Института физики высоких энергий. Здесь его знания и организаторские способности проявились в полной мере. За короткий период времени им был создан работоспособный научный коллектив, взявшийся за огромную работу по созданию нового научного центра с крупнейшим в мире ускорителем протонов и развитой исследовательской базой. Эта задача была успешно решена, и 14 октября 1967 года ускоритель протонов У-70 был введён в действие.

Под руководством Анатолия Алексеевича Логунова одновременно строился красивый и уютный город науки.

Анатолий Алексеевич Логунов сыграл определяющую роль в развитии масштабного международного научно-технического сотрудничества в исследованиях на ускорителе У-70, которое в последующем стало основой сотрудничества научных организаций нашей страны с научными центрами Европы и США.

С 1974 по 1991 год Анатолий Алексеевич Логунов – вице-президент Академии наук СССР, с 1977 года по 1992 год - ректор Московского государственного университета им. М. В. Ломоносова. Все эти годы он был научным руководителем Института физики высоких энергий. С 1993 по 2003 год Анатолий Алексеевич Логунов вновь директор ИФВЭ. Многие годы Анатолий Алексеевич являлся главным редактором журнала «Теоретическая и математическая физика», был членом редколлегий ряда других научных журналов.

Анатолий Алексеевич Логунов вел активную государственную и общественную деятельность, был депутатом Верховного Совета РСФСР (1975-1980), кандидатом в члены ЦК

КПСС (1981-1986), депутатом Верховного Совета СССР (1978-1989), членом ЦК КПСС (1986-1990), руководителем Гос. программы СССР по физике высоких энергий (1987-1991).

Выдающийся вклад Анатолия Алексеевича в науку, государственную и общественную деятельность, воспитание высококвалифицированных специалистов получил самую высокую оценку. Он Герой Социалистического Труда, награжден четырьмя Орденами Ленина, Орденом "Знак Почета", Орденами "За заслуги перед Отечеством" 3 и 2 степени, наградами других государств, лауреат Ленинской премии и двух Государственных премий СССР, иностранный член ряда зарубежных академий наук, почетный доктор многих зарубежных университетов и научных организаций.

Многочисленные научные труды Анатолия Алексеевича Логунова обогатили мировую науку выдающимися знаниями.

Уход из жизни Логунова Анатолия Алексеевича – невосполнимая утрата для мировой и российской науки. Выражаем искренние соболезнования родным и близким Анатолия Алексеевича, его друзьям и коллегам, всему коллективу ИФВЭ, жителям наукограда Протвино.

В соответствии с волей покойного и пожеланиями семьи похороны состоятся в кругу родственников и близких.

Дирекция ИФВЭ

Список некоторых статей Анатолия Алексеевича Логунова:

1. Gerstein, SS; Logunov, AA; Mestvirishvili, MA.
Incompatibility of the Tolman Solution for Dust-like Matter with the Causality Principle (vol 58, pg 367, 2013)
DOKLADY PHYSICS 59(6), 289-289 (2014)

2. Gerstein, SS; Logunov, AA; Mestvirishvili, MA.
Incompatibility of the Tolman solution for dust-like matter with the causality principle
DOKLADY PHYSICS 58(9), 367-370 (2013)

3. Logunov, AA; Mestvirishvili, MA.
Impossibility of gravitational collapse
THEORETICAL AND MATHEMATICAL PHYSICS 174(2), 253-262 (2013)

4. Logunov, AA; Mestvirishvili, MA.
The structure of the integral of motion and the impossibility of gravitational collapse
THEORETICAL AND MATHEMATICAL PHYSICS 171(1), 553-555 (2012)

5. Logunov, AA; Mestvirishvili, MA.
Hilbert's causality principle and equations of general relativity exclude the possibility of black hole formation
THEORETICAL AND MATHEMATICAL PHYSICS 170(3), 413-419 (2012)

6. Gershtein, SS; Logunov, AA; Mestvirishvili, MA.
Inconsistency of conservation laws for the baryon number and electric charge with the conception of black holes
DOKLADY PHYSICS 56(7), 359-361 (2011)

7. Gershtein, SS; Logunov, AA; Mestvirishvili, MA.
Hilbert's Causality Principle and the Impossibility of Gravitational Collapse of a Nonstatic Spherical Body

DOKLADY PHYSICS 56(2), 65-66 (2011)

8. Kiselev, VV; Logunov, AA; Mestvirishvili, MA.
The physical inconsistency of the Schwarzschild and Kerr solutions
THEORETICAL AND MATHEMATICAL PHYSICS 164(1), 972-975 (2010)

9. Ershov, AP; Kamenshchikov, SA; Logunov, AA; Chernikov, VA.
Initiation of combustion of supersonic propane-air flow by magnetoplasma compressor discharge
HIGH TEMPERATURE 47(6), 788-795 (2009)

10. Gershtein, SS; Logunov, AA; Mestvirishvili, MA.
Gravitational collapse is impossible in the relativistic theory of gravity
THEORETICAL AND MATHEMATICAL PHYSICS 161(2), 1573-1580 (2009)

11. Gershtein, SS; Logunov, AA; Mestvirishvili, MA.
Absence of gravitational radiation from a nonstatic spherically symmetric body in the relativistic theory of gravity
THEORETICAL AND MATHEMATICAL PHYSICS 161(1), 1415-1419 (2009)

12. Ershov, AP; Kamenshchikov, SA; Logunov, AA; Chernikov, VA.
The Combustion of High-Velocity Air-Propane Flow, Initiated by a Longitudinal-and-Transverse DC Discharge
HIGH TEMPERATURE 47(5), 613-619 (2009)

13. Gershtein, SS; Logunov, AA; Mestvirishvili, MA.
Gravitational waves in the relativistic theory of gravity
THEORETICAL AND MATHEMATICAL PHYSICS 160(2), 1096-1100 (2009)

14. Ershov, AP; Kolesnikov, EB; Logunov, AA; Chernikov, VA.
Parameters of electrode discharges in supersonic air flows
HIGH TEMPERATURE 47(2), 165-174 (2009)

15. Logunov, AA; Mestvirishvili, MA.
External gravitational field of a non-static spherically symmetric body
PHYSICS OF PARTICLES AND NUCLEI 40(1), 67-70 (2009)

16. Gershtein, SS; Logunov, AA; Mestvirishvili, MA.
Negative scalar curvature as a characteristic of the elasticity of the gravitational field
DOKLADY PHYSICS 53(8), 425-427 (2008)

17. Aleksandrov, AF; Baurov, AY; Ershov, AP; Logunov, AA; Chernikov, VA.
Combustion of a Supersonic Flowing Propane-Air Mixture within a DC Longitudinal-Transverse Discharge
MOSCOW UNIVERSITY PHYSICS BULLETIN 63(4), 293-295 (2008)

18. Ershov, AP; Kamenshchikov, SA; Kolesnikov, EB; Logunov, AA; Firsov, AA; Chernikov, VA.
The possibility of measuring flow velocity using a low-intensity periodic pulse discharge
FLUID DYNAMICS 43(4), 605-612 (2008)

19. Gershtein, SS; Logunov, AA; Mestvirishvili, MA.
On the possibility of collapse of a dust ball in general relativity theory
DOKLADY PHYSICS 53(7), 343-345 (2008)

20. Gershtein, SS; Logunov, AA; Mestvirishvili, MA.
On collapse in general relativity theory
DOKLADY PHYSICS 53(7), 346-349 (2008)

21. Ershov, AP; Kamenshchikov, SA; Kolesnikov, EB; Logunov, AA; Firsov, AA; Chernikov, VA.
Transverse Discharge Measurements of the Flow Rate
MOSCOW UNIVERSITY PHYSICS BULLETIN 63(3), 221-223 (2008)

22. Osipov, YS; Sadovnichii, VA; Bykov, DV; Chernous'ko, FL; Logunov, AA; Dobrokhotov, SY; Karasev, MV.
Fiftieth anniversary of research and teaching by Viktor Pavlovich Maslov

THEORETICAL AND MATHEMATICAL PHYSICS 155(2), 674-677 (2008)

23. Gershtein, SS; Logunov, AA; Mestvirishvili, MA.
Massive dust ball pulsating under the action of its gravitational field
THEORETICAL AND MATHEMATICAL PHYSICS 155(2), 715-721 (2008)

24. Aleksandrov, AF; Ershov, AP; Kamenshchikov, SA; Logunov, AA; Chernikov, VA.
Detonation of Supersonic Propane-Air Mixture by High-Voltage Plasma Discharge
MOSCOW UNIVERSITY PHYSICS BULLETIN 63(2), 145-147 (2008)

25. Logunov, AA; Mestvirishvili, MA.
Can a certain amount of substance possess zero energy?
DOKLADY PHYSICS 53(4), 195-197 (2008)

26. Aleksandrov, AF; Ershov, AP; Logunov, AA; Surkont, OS; Chernikov, VA; Shibkov, VM.
Ignition of Supersonic Propane-Air Flows by Electric Discharge
MOSCOW UNIVERSITY PHYSICS BULLETIN 63(1), 77-79 (2008)

27. Gershtein, SS; Logunov, AA; Mestvirishvili, MA.
General relativity and the Schwarzschild singularity
PHYSICS OF PARTICLES AND NUCLEI 39(1), 1-12 (2008)

28. Gershtein, SS; Logunov, AA; Mestvirishvili, MA.
The minimum radius of a static body of mass M in the relativistic theory of gravity
DOKLADY PHYSICS 52(10), 517-520 (2007)

29. Gershtein, SS; Logunov, AA; Mestvirishvili, MA.
Cosmological constant and Minkowski space
PHYSICS OF PARTICLES AND NUCLEI 38(3), 291-298 (2007)

30. Gershtein, SS; Logunov, AA; Mestvirishvili, MA.
Impossibility of unlimited gravitational contraction
DOKLADY PHYSICS 52(4), 204-206 (2007)

31. Gershtein, SS; Logunov, AA; Mestvirishvili, MA.
The Bianchi identity is equivalent to the identity for the Krutkov tensor density
DOKLADY PHYSICS 51(12), 639-641 (2006)

32. Gershtein, SS; Logunov, AA; Mestvirishvili, MA.
On gravitational flow in the relativistic theory of gravitation
DOKLADY PHYSICS 51(11), 595-597 (2006)

33. Gershtein, SS; Logunov, AA; Mestvirishvili, MA.
Gravitational field self-limitation and its role in the Universe
PHYSICS-USPEKHI 49(11), 1179-1195 (2006)

34. Kiselev, VV; Logunov, AA; Mestvirishvili, MA.
Holes: Theoretical prediction or fantasy?
PHYSICS OF PARTICLES AND NUCLEI 37(3), 317-320 (2006)

35. Gershtein, SS; Logunov, AA; Mestvirishvili, MA.
On the impossibility of an extremely rigid equation of state for matter
DOKLADY PHYSICS 51(4), 163-164 (2006)

36. Gershtein, SS; Logunov, AA; Mestvirishvili, MA.
The internal Schwarzschild-type solution in the field theory of gravity
THEORETICAL AND MATHEMATICAL PHYSICS 147(1), 576-581 (2006)

37. Gershtein, SS; Logunov, AA; Mestvirishvili, MA.
On the boundedness of the admissible dilation of time by the gravitational field
DOKLADY PHYSICS 51(2), 53-55 (2006)

38. Gershtein, SS; Logunov, AA; Mestvirishvili, MA.
The field theory of gravitation and the rest mass of particles
DOKLADY PHYSICS 50(12), 632-633 (2005)

39. Logunov, AA; Mestvirishvili, MA.

External gravitational field of a nonstatic spherically symmetric body in the inertial frame
THEORETICAL AND MATHEMATICAL PHYSICS 145(3), 1741-1748 (2005)

40. Gershtein, SS; Logunov, AA; Mestvirishvili, MA.
Repulsive forces in the field theory of gravity
THEORETICAL AND MATHEMATICAL PHYSICS 145(2), 1604-1618 (2005)

41. Gershtein, SS; Logunov, AA; Mestvirishvili, MA.
Time dilation as a cause of elasticity of the effective Riemannian space
DOKLADY PHYSICS 50(10), 499-501 (2005)

42. Gerstein, SS; Logunov, AA; Mestvirishvili, MA; Tkachenko, NP.
Evolution of the Universe in the field theory of gravitation
PHYSICS OF PARTICLES AND NUCLEI 36(5), 529-551 (2005)

43. Gershtein, SS; Logunov, AA; Mestvirishvili, MA.
On a certain fundamental feature of the gravitational field in field theory
DOKLADY PHYSICS 50(5), 227-229 (2005)

44. Gershtein, SS; Logunov, AA; Mestvirishvili, MA; Tkachenko, NP.
Graviton mass, quintessence, and oscillatory character of universe evolution
PHYSICS OF ATOMIC NUCLEI 67(8), 1596-1604 (2004)

45. Logunov, AA; Mestvirishvili, MA; Petrov, VA.
How were the Hilbert-Einstein equations discovered?
PHYSICS-USPEKHI 47(6), 607-621 (2004)

46. Logunov, AA.
Henri Poincare and relativity theory
Arxiv preprint physics/0408077 , (2004)

47. Gershtein, SS; Logunov, AA; Mestvirishvili, MA.
Graviton mass and the total relative mass density Omega(tot) in the universe
DOKLADY PHYSICS 48(6), 282-284 (2003)

48. Logunov, AA; Mestvirishvili, MA.
On the localizability of gravitational energy
DOKLADY PHYSICS 47(2), 119-120 (2002)

49. Gershtein, SS; Logunov, AA; Mestvirishvili, MA.
Generation of gravitons in the hot uniform and isotropic universe
DOKLADY PHYSICS 46(11), 770-772 (2001)

50. Logunov, AA; Mestvirishvili, MA.
Causality principle in the relativistic theory of gravity
THEORETICAL AND MATHEMATICAL PHYSICS 129(1), 1439-1445 (2001)

51. Logunov, AA; Mestvirishvili, MA.
An accelerated frame of reference is not a particular case of a gravitational field
DOKLADY PHYSICS 46(5), 326-327 (2001)

52. Logunov, AA; Mestvirishvili, MA.
Inertial frames of reference and the general principle of relativity in the gravitation theory
PHYSICS OF PARTICLES AND NUCLEI 31(1), 34-43 (2000)

53. Logunov, AA; Mestvirishvili, MA.
What happens near the Schwarzschild sphere for a nonzero graviton rest mass
THEORETICAL AND MATHEMATICAL PHYSICS 121(1), 1262-1280 (1999)

54. Gershtein, SS; Logunov, AA.
J. S. Bell's problems
PHYSICS OF PARTICLES AND NUCLEI 29(5), 463-468 (1998)

55. Gershtein, SS; Logunov, AA; Mestvirishvili, MA.

Evolution of the universe and graviton mass
PHYSICS OF ATOMIC NUCLEI 61(8), 1420-1429 (1998)

56. Gershtein, SS; Logunov, AA; Mestvirishvili, MA.
Upper limit on the graviton mass
DOKLADY AKADEMII NAUK 360(3), 332-334 (1998)

57. Logunov, AA.
The relativistic theory of gravity and Mach's principle
PHYSICS OF PARTICLES AND NUCLEI 29(1), 1-32 (1998)

58. Logunov, AA; Mestvirishvili, MA.
On the possibility of gravitational collapse in the relativistic theory of gravity
THEORETICAL AND MATHEMATICAL PHYSICS 112(2), 1056-1067 (1997)

59. Logunov, AA; Mestvirishvili, MA.
The stress-energy tensor of matter as a gravitational field source
THEORETICAL AND MATHEMATICAL PHYSICS 110(1), 2-17 (1997)

60. Chugreev, YV; Logunov, AA; Mestvirishvili, MA.
On incorrect formulations of equivalence principle
USPEKHI FIZICHESKIKH NAUK 166(1), 81-88 (1996)

61. Logunov, A.A..
On the article by Henri Poincare ldquoOn the dynamics of the electronrdquo
Hadronic Journal 19(2), (1996)

62. Logunov, AA.
Post-Newtonian approximation in the relativistic theory of gravity
THEORETICAL AND MATHEMATICAL PHYSICS 105(1), 1319-1328 (1995)

63. Logunov, AA.
The energy-momentum tensor as the source of the gravitational field and the effective Riemannian spacetime
THEORETICAL AND MATHEMATICAL PHYSICS 104(3), 1184-1187 (1995)

64. LOGUNOV, AA.
CLASSICAL GRAVITATIONAL-FIELD THEORY
USPEKHI FIZICHESKIKH NAUK 165(2), 187-203 (1995)

65. LOGUNOV, AA.
THEORY OF THE CLASSICAL GRAVITATIONAL-FIELD AND MACHS PRINCIPLE
THEORETICAL AND MATHEMATICAL PHYSICS 101(1), 1159-1176 (1994)

66. LOGUNOV, AA; MESTVIRISHVILI, MA; CHUGREEV, YV.
THE EQUIVALENCE PRINCIPLE
THEORETICAL AND MATHEMATICAL PHYSICS 99(1), 470-483 (1994)

67. LOGUNOV, AA.
THE THEORY OF THE GRAVITATION FIELD
VESTNIK MOSKOVSKOGO UNIVERSITETA SERIYA 3 FIZIKA ASTRONOMIYA 34(4), 3-19 (1993)

68. LOGUNOV, AA.
BASIC EQUATIONS FOR THE MASSIVE GRAVITATIONAL-FIELD
THEORETICAL AND MATHEMATICAL PHYSICS 92(2), 826-836 (1992)

69. LOGUNOV, AA; MESTVIRISHVILI, MA; CHUGREEV, YV.
THE RELATIVISTIC THEORY OF GRAVITATION BASED ON A SPACE OF CONSTANT CURVATURE
THEORETICAL AND MATHEMATICAL PHYSICS 86(2), 111-120 (1991)

70. LOGUNOV, AA; MESTVIRISHVILI, MA.
THE FUNDAMENTAL PRINCIPLES OF THE RELATIVISTIC THEORY OF GRAVITATION
THEORETICAL AND MATHEMATICAL PHYSICS 86(1), 1-9 (1991)

71. LOGUNOV, AA.

THE RELATIVISTIC THEORY OF GRAVITATION
THEORETICAL AND MATHEMATICAL PHYSICS 85(1), 1013-1021 (1990)

72. DENISOV, VI; LOGUNOV, AA.
FURTHER REMARKS ON THE INEQUALITY OF THE INERTIAL AND GRAVITATIONAL MASSES IN GENERAL-RELATIVITY
THEORETICAL AND MATHEMATICAL PHYSICS 85(1), 1022-1028 (1990)

73. LOGUNOV, AA.
THE PRINCIPLES OF THE RELATIVISTIC THEORY OF GRAVITATION
SOVIET JOURNAL OF NUCLEAR PHYSICS-USSR 51(2), 380-383 (1990)

74. Bogolubov, N. N.; Logunov, A. A.; Oksak, A. I.; Todorov, I. T..
General Principles of Quantum Field Theory, Mathematical Physics and Applied Mathematics , (1990)

75. Logunov, A. A..
Lectures on Relativity and Gravitation: A Modern Look , (1990)

76. Bogoliubov, N. N.; Logunov, A. A.; Oksak, A. I.; Todorov, I. T..
General Principles of Quantum Field Theory , (1990)

76. LOGUNOV, AA.
FUNDAMENTAL PRINCIPLES OF THE RELATIVISTIC THEORY OF GRAVITATION
THEORETICAL AND MATHEMATICAL PHYSICS 80(2), 785-789 (1989)

77. VLASOV, AA; LOGUNOV, AA.
BOUNCING FROM THE SCHWARZSCHILD SPHERE IN THE RELATIVISTIC THEORY OF GRAVITATION WITH NONZERO GRAVITON MASS
THEORETICAL AND MATHEMATICAL PHYSICS 78(3), 229-233 (1989)

78. LOGUNOV, AA; LOSKUTOV, IM.
RELATIVISTIC THEORY OF GRAVITY AS A THEORY WITH BROKEN GAUGE GROUP
DOKLADY AKADEMII NAUK SSSR 305(4), 848-851 (1989)

79. AVDUEVSKII, VS; DENISOV, VI; KOVTUNENKO, VM; LOGUNOV, AA; USPENSKII, GR; TSIMBALYUK, MM.
GRAVITATIONAL EXPERIMENTS IN SPACE
THEORETICAL AND MATHEMATICAL PHYSICS 78(1), 1-6 (1989)

80. Mestvirishvili, M.A; Logunov, A.A..
The Relativistic Theory of Gravitation, (1989)

81. Logunov, A.A.; Loskutov, Yu.M..
Relativistic theory of gravitation as a theory with a broken gauge group
Soviet Physics - Doklady 34(4), (1989)

82. LOGUNOV, AA; LOSKUTOV, YM; MESTVIRISHVILI, MA.
RELATIVISTIC THEORY OF GRAVITATION AND ITS CONSEQUENCES
PROGRESS OF THEORETICAL PHYSICS 80(6), 1005-1023 (1988)

83. LOGUNOV, AA; LOSKUTOV, M; MESTVIRISHVILI, MA.
RELATIVISTIC THEORY OF GRAVITY
INTERNATIONAL JOURNAL OF MODERN PHYSICS A 3(9), 2067-2099 (1988)

84. LOGUNOV, AA; CHUGREYEV, YV.
SPECIAL THEORY OF RELATIVITY AND THE SAGNAC EFFECT
USPEKHI FIZICHESKIKH NAUK 156(1), 137-143 (1988)

85. LOGUNOV, AA; LOSKUTOV, YM.
ONCE MORE ON THE NONUNIQUENESS OF THE PREDICTIONS OF THE GENERAL-THEORY OF RELATIVITY
THEORETICAL AND MATHEMATICAL PHYSICS 76(2), 779-783 (1988)

86. VLASOV, AA; LOGUNOV, AA.
NONSTATIC OBJECTS WITH A RADIUS LESS THAN OR EQUAL TO THE GRAVITATIONAL

RADIUS COULD NOT EXIST IN THE RELATIVISTIC THEORY OF GRAVITATION
JETP LETTERS 48(1), 8-11 (1988)

87. LOGUNOV, AA; LOSKUTOV, YM.
NONUNIQUENESS OF PREDICTIONS IN THE GENERAL-THEORY OF RELATIVITY
THEORETICAL AND MATHEMATICAL PHYSICS 74(3), 215-220 (1988)

88. LOGUNOV, AA; MESTVIRISHVILI, MA; CHUGREEV, YV.
GRAVITON MASS AND EVOLUTION OF A FRIEDMANN UNIVERSE
THEORETICAL AND MATHEMATICAL PHYSICS 74(1), 1-10 (1988)

89. LOGUNOV, AA; CHUGREEV, YV.
SPECIAL THEORY OF RELATIVITY AND CENTRIFUGE EXPERIMENTS
VESTNIK MOSKOVSKOGO UNIVERSITETA SERIYA 3 FIZIKA ASTRONOMIYA 29(1), 3-11 (1988)

90. VLASOV, AA; LOGUNOV, AA.
ON THE IMPOSSIBILITY OF EXISTENCE IN RTG OF NONSTATIC BODIES WITH RADIUS SMALLER OR EQUAL TO GRAVITATIONAL RADIUS
DOKLADY AKADEMII NAUK SSSR 303(1), 71-73 (1988)

91. LOGUNOV, AA; SOKOLOV, WE; SHILOV, IA.
MODERN PROBLEMS OF THE ECOLOGY EDUCATION
VESTNIK AKADEMII NAUK SSSR (11), 77-79 (1988)

92. Logunov, A.A.; Chugreev, Yu.V..
Special theory of relativity and the Sagnac effect
Soviet Physics - Uspekhi 31(9), (1988)

93. LOGUNOV, AA; LOSKUTOV, YM; MESTVIRISHVILI, MA.
RELATIVISTIC THEORY OF GRAVITATION AND CRITICISM OF GENERAL-RELATIVITY
THEORETICAL AND MATHEMATICAL PHYSICS 73(2), 1131-1148 (1987)

94. VLASOV, AA; LOGUNOV, AA.
DIFFERENCE BETWEEN GRAVITATIONAL COLLAPSE IN THE RELATIVISTIC THEORY OF GRAVITATION AND IN THE GENERAL-THEORY OF RELATIVITY
THEORETICAL AND MATHEMATICAL PHYSICS 71(3), 565-570 (1987)

95. VLASOV, AA; LOGUNOV, AA.
EXTERIOR AXISYMMETRICAL SOLUTION FOR A ROTATING BODY IN THE RELATIVISTIC THEORY OF GRAVITATION
THEORETICAL AND MATHEMATICAL PHYSICS 70(2), 118-125 (1987)

96. LOGUNOV, AA; LOSKUTOV, YM.
DYNAMICS OF TEST BODIES IN THE RELATIVISTIC THEORY OF GRAVITATION
THEORETICAL AND MATHEMATICAL PHYSICS 70(2), 113-118 (1987)

97. LOGUNOV, AA.
THE RELATIVISTIC THEORY OF GRAVITATION AND NEW NOTIONS OF SPACE-TIME
THEORETICAL AND MATHEMATICAL PHYSICS 70(1), 1-10 (1987)

98. Logunov, A. A..
Lectures on Relativity Theory and Gravitation: Modern Analysis of the Problem, (1987)

99. Logunov, A.A..
Relativistic theory of gravitation
Priroda (1), (1987)

100. Logunov, A.A.; Loskutov, Yu.M..
Nonuniqueness of the predictions of the general theory of relativity. The relativistic theory of gravitation
Soviet Journal of Particles and Nuclei 18(3), (1987)

101. LOGUNOV, AA; LOSKUTOV, YM; CHUGREEV, YV.
DOES GENERAL-RELATIVITY EXPLAIN GRAVITATIONAL EFFECTS
THEORETICAL AND MATHEMATICAL PHYSICS 69(3), 1179-1187 (1986)

102. VLASOV, AA; LOGUNOV, AA.
EVOLUTION OF THE UNIVERSE IN THE RELATIVISTIC THEORY OF GRAVITATION
THEORETICAL AND MATHEMATICAL PHYSICS 69(3), 1188-1192 (1986)

103. GERSHTEIN, SS; LOGUNOV, AA.
MECHANISM OF GROWTH OF THE TOTAL HADRON-HADRON INTERACTION CROSS-SECTIONS
SOVIET JOURNAL OF NUCLEAR PHYSICS-USSR 44(5), 813-816 (1986)

104. LOGUNOV, AA.
RELATIVISTIC THEORY OF GRAVITATION AND NEW NOTIONS ABOUT SPACE-TIME
VESTNIK MOSKOVSKOGO UNIVERSITETA SERIYA 3 FIZIKA ASTRONOMIYA 27(6), 3-15 (1986)

105. LOGUNOV, AA; MESTVIRISHVILI, MA.
GAUGE TRANSFORMATION IN THE RELATIVISTIC THEORY OF GRAVITATION
THEORETICAL AND MATHEMATICAL PHYSICS 67(3), 529-536 (1986)

106. LOGUNOV, AA; LOSKUTOV, YM.
CONTRADICTORY CHARACTER OF GENERAL-RELATIVITY - THE RELATIVISTIC THEORY OF GRAVITATION
THEORETICAL AND MATHEMATICAL PHYSICS 67(2), 425-433 (1986)

107. LOGUNOV, AA; LOSKUTOV, YM.
RELATIVISTIC QUANTUM-THEORY OF SPINOR PARTICLES IN A GRAVITATIONAL-FIELD
THEORETICAL AND MATHEMATICAL PHYSICS 67(1), 323-331 (1986)

108. LOGUNOV, AA; LOSKUTOV, YM.
ORBITAL PERIOD OF A SATELLITE OF A PLANET IN THE RELATIVISTIC THEORY OF GRAVITATION AND IN GENERAL-RELATIVITY AND THE POSSIBILITY OF EXPERIMENTAL-VERIFICATION OF DELAY DUE TO GRAVITATIONAL INTERACTION
THEORETICAL AND MATHEMATICAL PHYSICS 67(1), 319-322 (1986)

109. VLASOV, AA; LOGUNOV, AA.
GRAVITATIONAL COLLAPSE IN THE RELATIVISTIC THEORY OF GRAVITATION
THEORETICAL AND MATHEMATICAL PHYSICS 66(2), 107-114 (1986)

110. LOGUNOV, AA; MESTVIRISHVILI, MA.
RELATIVISTIC THEORY OF GRAVITATION
FOUNDATIONS OF PHYSICS 16(1), 1-26 (1986)

111. LOGUNOV, AA; LOSKUTOV, YM.
EXPERIMENTAL CONFIRMATION OF RELATIVISTIC THEORY OF GRAVITATION IN THE DELAY OF RADIO SIGNALS
THEORETICAL AND MATHEMATICAL PHYSICS 66(1), 99-101 (1986)

112. DENISOV, VI; LOGUNOV, AA; CHUGREEV, YV.
INEQUALITY OF THE PASSIVE GRAVITATIONAL MASS AND THE INERTIAL MASS OF AN EXTENDED BODY
THEORETICAL AND MATHEMATICAL PHYSICS 66(1), 1-7 (1986)

113. LOGUNOV, AA; MESTVIRISHVILI, MA.
RELATIVISTIC THEORY OF GRAVITATION AND THE GRAVITON REST MASS
THEORETICAL AND MATHEMATICAL PHYSICS 65(1), 971-979 (1985)

114. VLASOV, AA; LOGUNOV, AA.
GRAVITATIONAL-FIELD OF A NONSTATIC SPHERICALLY SYMMETRICAL BODY IN THE RELATIVISTIC THEORY OF GRAVITATION
THEORETICAL AND MATHEMATICAL PHYSICS 64(1), 647-649 (1985)

115. LOGUNOV, AA; LOSKUTOV, IM.
EFFECT OF RADIO SIGNAL DELAY IN THE RELATIVISTIC GRAVITATION THEORY
DOKLADY AKADEMII NAUK SSSR 285(3), 615-618 (1985)

116. LOGUNOV, AA; MESTVIRISHVILI, MA.
RELATIVISTIC THEORY OF GRAVITATION

PROGRESS OF THEORETICAL PHYSICS 74(1), 31-50 (1985)

117. VLASOV, AA; LOGUNOV, AA.
IMPOSSIBILITY OF CATASTROPHICALLY STRONG CONTRACTION OF A MASSIVE BODY IN THE RELATIVISTIC THEORY OF GRAVITATION
THEORETICAL AND MATHEMATICAL PHYSICS 63(1), 323-328 (1985)

118. GERSHTEIN, SS; LOGUNOV, AA.
GROWTH OF THE HADRON-HADRON CROSS-SECTIONS AND ITS POSSIBLE RELATION TO THE EXISTENCE OF GLUEBALLS
SOVIET JOURNAL OF NUCLEAR PHYSICS-USSR 39(6), 960-961 (1984)

119. LOGUNOV, AA; MESTVIRISHVILI, MA.
RELATIVISTIC THEORY OF GRAVITATION
THEORETICAL AND MATHEMATICAL PHYSICS 61(3), 1170-1183 (1984)

120. VLASOV, AA; LOGUNOV, AA; MESTVIRISHVILI, MA.
THEORY OF GRAVITATION BASED ON MINKOWSKI SPACE AND THE PRINCIPLE OF GEOMETRIZATION
THEORETICAL AND MATHEMATICAL PHYSICS 61(3), 1167-1169 (1984)

121. VLASOV, AA; LOGUNOV, AA.
SPHERICALLY SYMMETRIC SOLUTION IN THE THEORY OF GRAVITATION BASED ON MINKOWSKI SPACE
THEORETICAL AND MATHEMATICAL PHYSICS 60(2), 739-743 (1984)

122. LOGUNOV, AA; VLASOV, AA.
MINKOWSKI SPACE AS A BASIS FOR A PHYSICAL THEORY OF GRAVITATION
THEORETICAL AND MATHEMATICAL PHYSICS 60(1), 635-638 (1984)

123. LOGUNOV, AA; MESTVIRISHVILI, MA.
RELATIVISTIC GRAVITATION THEORY
VESTNIK MOSKOVSKOGO UNIVERSITETA SERIYA 3 FIZIKA ASTRONOMIYA 25(5), 3-23 (1984)

124. Logunov, A.A.; Mestvirishvili, M.A.; Petrov, V.A..
Inclusive processes and dynamics of strong interactions
Soviet Journal of Particles and Nuclei 14(3), (1983)

125. DENISOV, VI; LOGUNOV, AA.
NEW THEORY OF SPACE-TIME AND GRAVITATION
THEORETICAL AND MATHEMATICAL PHYSICS 50(1), 1-48 (1982)

126. DENISOV, VI; LOGUNOV, AA.
THE INERTIAL MASS DEFINED IN THE GENERAL-THEORY OF RELATIVITY HAS NO PHYSICAL MEANING
THEORETICAL AND MATHEMATICAL PHYSICS 51(2), 421-426 (1982)

127. LOGUNOV, AA.
APPEAL FOR MOSCOW REFUSENIKS - REPLY
PHYSICS TODAY 35(5), 119-119 (1982)

128. DENISOV, VI; LOGUNOV, AA; MESTVIRISHVILI, MA.
DO EXTENDED BODIES MOVE ALONG GEODESICS OF RIEMANNIAN SPACE-TIME
THEORETICAL AND MATHEMATICAL PHYSICS 47(1), 281-301 (1981)

129. DENISOV, VI; LOGUNOV, AA.
NEW MECHANISM OF ENERGY-RELEASE IN ASTROPHYSICAL OBJECTS
THEORETICAL AND MATHEMATICAL PHYSICS 48(3), 745-750 (1981)

130. LOGUNOV, AA.
FURTHER DEVELOPMENT AND STRENGTHENING OF CONTACTS OF THE ACADEMIES OF SCIENCES OF THE UNION REPUBLICS WITH HIGH-SCHOOLS
VESTNIK AKADEMII NAUK SSSR (12), 32-35 (1981)

131. LOGUNOV, AA; MESTVIRISHVILI, MA; PETROV, VA.

MAXIMUM GROWTH OF THE AVERAGE ASSOCIATED MULTIPLICITY IN PROCESSES WITH LARGE MOMENTUM-TRANSFERS
SOVIET JOURNAL OF NUCLEAR PHYSICS-USSR 31(2), 255-259 (1980)

132. DENISOV, VI; LOGUNOV, AA.
DOES THE GENERAL-THEORY OF RELATIVITY HAVE A CLASSICAL NEWTONIAN LIMIT
THEORETICAL AND MATHEMATICAL PHYSICS 45(3), 1035-1041 (1980)

133. VLASOV, AA; DENISOV, VI; LOGUNOV, AA; MESTVIRISHVILI, MA.
GRAVITATIONAL EFFECTS IN THE FIELD-THEORY OF GRAVITATION
THEORETICAL AND MATHEMATICAL PHYSICS 43(2), 375-401 (1980)

134. LOGUNOV, AA; MESTVIRISHVILI, MA; RCHEULISHVILI, GL; SAMOKHIN, AP.
CONTRIBUTION FROM FAR SINGULARITIES IN THE COS-THETA PLANE TO THE SCATTERING-AMPLITUDE AND TO THE DISTRIBUTION FUNCTION OF INCLUSIVE PROCESSES
THEORETICAL AND MATHEMATICAL PHYSICS 43(3), 469-480 (1980)

135. DENISOV, VI; LOGUNOV, AA.
DOES GRAVITATIONAL RADIATION EXIST IN THE GENERAL-THEORY OF RELATIVITY
THEORETICAL AND MATHEMATICAL PHYSICS 43(2), 401-411 (1980)

136. LOGUNOV, AA; DENISOV, VI; VLASOV, AA; MESTVIRISHVILI, MA; FOLOMESHKIN, VN.
NEW CONCEPTS OF SPACE-TIME AND GRAVITATION
THEORETICAL AND MATHEMATICAL PHYSICS 40(3), 753 (1979)

137. LOGUNOV, AA; MESTVIRISHVILI, MA; PETROV, VA.
GENERAL PRINCIPLES OF QUANTUM FIELD-THEORY AND STRONG INTERACTIONS AT HIGH-ENERGIES
ANNALS OF PHYSICS 114(1-2), 46 (1978)

138. Logunov, A.; et al..
Dispersion relation for the 3 &RARR; 3 forward amplitude and generalized optical theorem
Theor. Math. Phys 33, 935 (1978)

139. LOGUNOV, AA; FOLOMESHKIN, VN.
ENERGY-MOMENTUM OF GRAVITATIONAL-WAVES IN GENERAL THEORY OF RELATIVITY
THEORETICAL AND MATHEMATICAL PHYSICS 32(2), 667 (1977)

140. LOGUNOV, AA; FOLOMESHKIN, VN.
ENERGY-MOMENTUM PROBLEM AND THEORY OF GRAVITATION
THEORETICAL AND MATHEMATICAL PHYSICS 32(3), 749 (1977)

141. LOGUNOV, AA; FOLOMESHKIN, VN.
GEOMETRIZED THEORIES OF GRAVITATION
THEORETICAL AND MATHEMATICAL PHYSICS 32(2), 653 (1977)

142. LOGUNOV, AA; FOLOMESHKIN, VN.
DOES ENERGY OF SOURCE CHANGE WHEN GRAVITATIONAL-WAVES ARE EMITTED IN EINSTEIN THEORY OF GRAVITATION
THEORETICAL AND MATHEMATICAL PHYSICS 33(2), 952 (1977)

143. ARBUZOV, BA;LOGUNOV, AA.
STRUCTURE OF ELEMENTARY-PARTICLES AND RELATIONS OF VARIOUS FORCES IN NATURE
USPEKHI FIZICHESKIKH NAUK 123(3), 505 (1977)

144. Bogolubov, N.N.; Logunov, A.A.; Todorov, I.T.; Fulling, Stephen A.; Popova, Ludmila G.; Fulling, Stephen A..
Introduction to axiomatic quantum field theory
18, (1975)

145. Logunov, A.A.; Mestvirishvili, M.A.; Petrov, V.A..
New bounds on the distribution function of an inclusive process

Theoretical and Mathematical Physics , (1974)

146. Logunov, A.A.; Mestvirishvili, M.A.; Khrustalev, O.A..
Restrictions on the behavior of elastic and inelastic cross sections at high energies. II
Soviet Journal of Particles and Nuclei 3(3), (1973)

147. Ado, Yu.M.; Zhuravlev, A.A.; Logunov, A.A.; Myae, E.A.; Naumov, A.A.; Pisarevski, V.E.; Rogozinskii, G.; Tushabramishvili, K.Z.; Shukeilo, I.A.; Boiko, S.N.; Komar, E.G.; Malyshev, I.F.; Mozin, I.V.; Monszon, N.A.; Mozalevskii, I.A.; Spevakova, F.M.; Stolov, A.M.; Titov, V.A.; Vodop'yanov, F.A.; Kuz'min, A.A.; Kuz'min, V.F.; Mints, A.L.; Rubchinskii, S.M.; Uvarov, V.A.; Gutner, B.M.; Zalmanzon, V.B.; Prokop'ev, A.I.; Temkin, A.S..
Some results of complex tuning and start-up of the IHEP 70 GeV proton synchrotron
Atomnaya Energiya 28(2), (1970)

148. Bogolyubov, N. N.; Logunov, A. A.; Todorov, I. T..
Fundamentals of the Axiomatic Approach in Quantum Field Theory, (1969)

149. LOGUNOV, AA; KHRUSTAL.OA; MESTVIRI.MA; VANHIEU, N.
INTERMEDIATE STATES IN T-CHANNEL AND STRONG INTERACTION RADIUS
NUCLEAR PHYSICS B B 11(4), 692 (1969)

150. LOGUNOV, AA; SOLOVIEV, LD; TAVKHELI.AN.
DISPERSION SUM RULES AND HIGH ENERGY SCATTERING
PHYSICS LETTERS B B 24(4), 181 (1967)

151. LOGUNOV, AA; MESTVIRI.MA.
SMALL-ANGLE SCATTERING AND A LOWER BOUND FOR SCATTERING AMPLITUDE AT LARGE ANGLES
PHYSICS LETTERS B B 24(11), 583 (1967)

152. LOGUNOV, AA; MESTVIRI.MA; VANHIEU, N.
HIGH-ENERGY BEHAVIOUR OF INELASTIC CROSS SECTIONS
PHYSICS LETTERS B B 25(10), 611 (1967)

153. ALLILUYE.SP; GERSHTEI.SS; LOGUNOV, AA.
ON MECHANISM OF LARGE-ANGLE SCATTERING AT HIGH ENERGIES
PHYSICS LETTERS 18(2), 195 (1965)

154. LOGUNOV, AA; VANHIEU, N; TODOROV, IT.
ASYMPTOTIC RELATIONS BETWEEN SCATTERING AMPLITUDES IN LOCAL FIELD THEORY
ANNALS OF PHYSICS 31(1), 203 (1965)

155. LOGUNOV, AA; KHRUSTALEV, OA; VANHIEU, N.
QUASI-OPTICAL METHOD + ASYMPTOTIC BEHAVIOUR OF MANY-CHANNEL AMPLITUDES
NUCLEAR PHYSICS 50(2), 295 (1964)

156. ARBUZOV, BA; LOGUNOV, AA; FILIPPOV, AT; KHRUSTALEV, OA.
THE FREDHOLM METHOD IN THE RELATIVISTIC SCATTERING PROBLEM
SOVIET PHYSICS JETP-USSR 19(4), 861 (1964)

157. LOGUNOV, AA; TAVKHELIDSE, AN.
QUASI-OPTICAL APPROACH IN QUANTUM FIELD THEORY
NUOVO CIMENTO 29(2), 380 (1963)

158. LOGUNOV, AA; TAVKHELIDZE, AN; KHRUSTALEV, OA.
QUASIPOTENTIAL CHARACTER OF THE MANDELSTAM REPRESENTATION
PHYSICS LETTERS 4(6), 325 (1963)

159. Arbuzov, B.A.; Logunov, A.A.; Tavkhelidze, A.N.; Faustov, R.N.; Filippov, A.T..
The quasi-optical model and the asymptotic behaviour of the scattering amplitude
Zhurnal Eksperimental'noi i Teoreticheskoi Fiziki 44(4), (1963)

160. ARBUZOV, BA; LOGUNOV, AA; TAVKHELIDSE, AN; FAUSTOV, RN.
REJE POLES AND BETHE-SOLIPTER EQUATION
DOKLADY AKADEMII NAUK SSSR 150(4), 764 (1963)

161. LOGUNOV, AA; TAVKHELIDSE, AN; KHRUSTALEV, OA; TODOROV, IT.
QUASI-POTENTIAL CHARACTER OF SCATTERING AMPLITUDE
NUOVO CIMENTO 30(1), 134 (1963)

162. LOGUNOV, AA; TAVKHELIDSE, AN; MESHCHERIAKOV, VA.
ON APPROXIMATE GAMMA5- INVARIANCE IN STRONG INTERACTION THEORY
DOKLADY AKADEMII NAUK SSSR 142(2), 317 (1962)

163. ARBUSOV, BA; LOGUNOV, AA; TAVKHELIDZE, AN; FAUSTOV, RN.
THE ASYMPTOTIC BEHAVIOUR OF THE SCATTERING AMPLITUDES AND THE RENORMALISATION GROUP METHOD
PHYSICS LETTERS 2(3), 150 (1962)

164. BOGOLYUBOV, NN; LOGUNOV, AA; SHIRKOV, DV.
THE METHOD OF DISPERSION RELATIONS AND PERTURBATION THEORY
SOVIET PHYSICS JETP-USSR 10(3), 574 (1960)

165. LOGUNOV, AA; SOLOVYOV, LD.
DISPERSION RELATIONS FOR VIRTUAL PHOTOPRODUCTION
NUCLEAR PHYSICS 10(1), 60 (1959)

166. LOGUNOV, AA; ISAEV, PS.
ON THE THEORY OF DISPERSION RELATIONS FOR PHOTON-NUCLEON SCATTERING
NUOVO CIMENTO 10(6), 917 (1958)

167. LOGUNOV, AA; TAVKHELIDZE, AN.
GENERALIZED DISPERSION RELATIONS
NUOVO CIMENTO 10(6), 943 (1958)

168. LOGUNOV, AA.
DISPERSION RELATIONS FOR REACTIONS INVOLVING A VARIABLE NUMBER OF PARTICLES
DOKLADY AKADEMII NAUK SSSR 120(3), 501 (1958)

169. LOGUNOV, AA; BILENKIJ, SM; TAVKHELIDZE, AN.
ON THE THEORY OF DISPERSION RELATIONS
NUOVO CIMENTO 10(6), 953 (1958)

170. LOGUNOV, AA; TAVKHELIDZE, AN.
SOME PROBLEMS ENCOUNTERED IN THE THEORY OF THE DISPERSION RELATIONS
NUCLEAR PHYSICS 8(3), 374 (1958)

171. BOGOLUBOV, NN; BILENKY, SM; LOGUNOV, AA.
DISPERSION RELATIONSHIPS IN THE CASES OF A WEAK INTERACTION
DOKLADY AKADEMII NAUK SSSR 115(5), 891 (1957)

172. LOGUNOV, AA; TAVKHELIDZE, AN; SOLOVYOV, LD.
PHOTOPRODUCTION PROCESSES AND DISPERSION RELATIONS
NUCLEAR PHYSICS 4(3), 427 (1957)

173. Logunov, A.A..
A certain generalization of the renormalization group
Zhurnal Eksperimental'noi i Teoreticheskoi Fiziki 30(4), (1956)

174. LOGUNOV, AA.
CONCERNING A CERTAIN GENERALIZATION OF A RENORMALIZATION GROUP
SOVIET PHYSICS JETP-USSR 3(5), 766 (1956)

175. Logunov, A.A..
Green's function in scalar electrodynamics in the region of small momenta
Zhurnal Eksperimental'noi i Teoreticheskoi Fiziki 29(6(12)), (1955)

176. TERLETSKII, YP;LOGUNOV, AA.
ENERGETICHESKII SPEKTR PERVICHNOI KOMPONENTY KOSMICHESKIKH LUCHEI
ZHURNAL EKSPERIMENTALNOI I TEORETICHESKOI FIZIKI 21(4), 567 (1951)