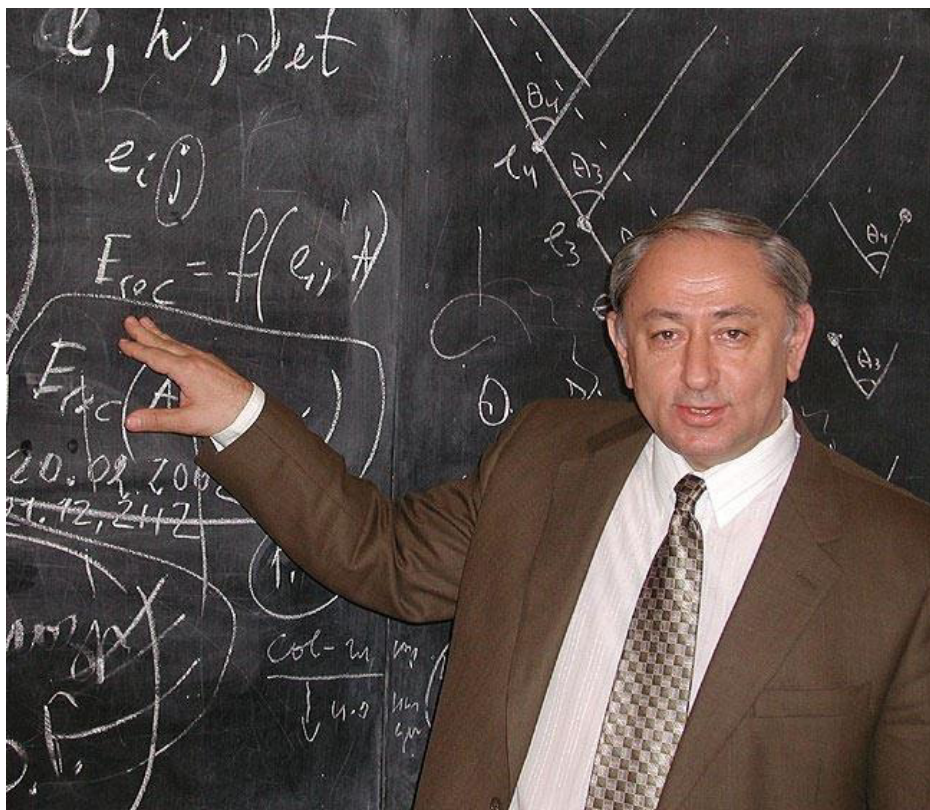


Алексей Норайрович Сисакян



(14 октября 1944 — 1 мая 2010)

1 мая 2010 года на 66-м году жизни скончался академик Алексей Норайрович Сисакян, директор Объединенного института ядерных исследований в Дубне, член Президиума Российской академии наук, известный физик-теоретик, крупный организатор науки и международного научного сотрудничества.

Алексей Норайрович Сисакян родился 14 октября 1944 г. в Москве в семье научных работников. Его отец — академик Нораир Мартиросович Сисакян (1907–1966) был известным ученым-биохимиком, одним из основоположников космической биологии, а мама — Варвара Петровна Сисакян-Алексеева (1910–1990) работала в области агрохимии.

Алексей Сисакян в 1968 г. окончил физический факультет Московского государственного университета им. М.В. Ломоносова. После защиты дипломного проекта, посвященного модели квазинезависимых кварков, начал работу в Лаборатории теоретической физики (ЛТФ) Объединенного института ядерных исследований (ОИЯИ) под руководством академика Н. Н. Боголюбова. В 1970 году защитил диссертацию на соискание учёной степени Кандидата физико-математических наук. Тема диссертации: "Приближение прямолинейных путей в квантовой теории поля и множественное рождение частиц при высоких энергиях". В 1980 году защитил диссертацию на соискание учёной степени Доктора физико-математических наук. Тема диссертации: "Многокомпонентный подход в теории множественного рождения адронов".

С 1968-го по 1978 года Алексей Сисакян работал стажёром-исследователем, младшим научным сотрудником, научным сотрудником, старшим научным сотрудником Лаборатории теоретической физики Объединённого института ядерных исследований (ОИЯИ, Московская область, город Дубна).

С 1978-го по 1989 год являлся Начальником сектора Лаборатории теоретической физики ОИЯИ; с 1979-го по 1989 год - Главный ученый секретарь ОИЯИ - Начальник научного отдела (НОГУС); с 1989-го по 2005 год - заместитель Директора ОИЯИ; одновременно, с 2003 года работал Директором Лаборатории теоретической физики имени Н.Н. Боголюбова; с 1 января 2006 года являлся Директором Объединённого института ядерных исследований.

Основные направления его научной деятельности - физика элементарных частиц, приближенные методы и уравнения квантовой теории поля, проблема квантования систем с нетривиальной геометрией, симметрией и топологией.

В квантовой теории поля А. Н. Сисакяном с соавторами впервые было предложено и разработано приближение прямолинейных путей — эффективный метод континуального интегрирования, который нашел широкое применение в теоретической физике, в частности при решении проблемы полярона, исследовании эйконального приближения в физике высоких энергий и развитии квантовой хромодинамики. Им был развит многокомпонентный подход в теории множественного рождения частиц, который позволяет описывать закономерности неупругих процессов столкновения элементарных частиц. На основе этого подхода был впервые предсказан ряд новых эффектов (эффект положительных зарядово-нейтральных корреляций; эффект корреляции множественностей частиц, родившихся вперед и назад, и др.), экспериментально подтвержденные в опытах на современных ускорителях в Институте физики высоких энергий в Протвино, Национальной ускорительной лаборатории им. Э. Ферми (FNAL) в США, Европейском центре ядерных исследований (ЦЕРН) в Женеве. А.Н. Сисакяном с сотрудниками предложено новое описание процессов с большими переданными импульсами в рамках трехмерного формализма квантовой теории поля. При этом были обобщены правила кваркового счета на случаи инклюзивных процессов, что позволило установить связь характеристик этих процессов со структурой сталкивающихся частиц, а также получить обобщение скейлинга Кобы–Нильсена–Олесена на случай полуинклюзивных процессов.

В области математической физики под руководством профессора А.Н. Сисакяна был выполнен цикл основополагающих работ по классическим и квантовым суперинтегрируемым системам в пространстве постоянной кривизны, проблеме генерации топологически нетривиальных объектов в моделях с осцилляторным взаимодействием и в суперсимметричной одномерной квантовой механике. А.Н. Сисакяном совместно с сотрудниками развит подход к описанию относительных корреляций в системах с динамической симметрией. Эти работы связаны с решением задач атомной и ядерной физики, в том числе прикладных. В частности, открыта скрытая симметрия задачи атома водорода в сильном магнитном поле.

В последние годы А.Н. Сисакян с коллегами развивал метод контракций алгебр Ли применительно к задачам теоретической физики. Широкую известность получили работы научной группы А.Н. Сисакяна, посвященные одной из актуальнейших задач физики элементарных частиц — разработке и применению непertурбативных методов квантовой теории поля. В этом направлении был развит новый эффективный подход, сформулированный на основе первых принципов и не требующий дополнительных предположений модельного характера. А.Н. Сисакяном и его сотрудниками был развит новый подход к процессам с очень большой множественностью и получен ряд оригинальных

результатов. Впервые были установлены критерии явления термализации, проявления различных механизмов множественной генерации и др., представляющие научный интерес для программ экспериментов на протон-антипротонном коллайдере во FNAL, на большом адронном коллайдере в ЦЕРН, на коллайдере RHIC (Брукхейвенская национальная лаборатория, США) и др. При исследовании процессов полуинклюзивного глубоконеупругого рассеяния А.Н. Сисакян с сотрудниками был проведен анализ кварковых распределений, полученных в спин-мюонной коллаборации на суперпротонном синхротроне в ЦЕРН и в коллаборации HERMES на электрон-протонном коллайдере HERA в Гамбурге. Эти работы находят свое применение также при разработке научной программы эксперимента COMPASS в ЦЕРН.

А.Н. Сисакян являлся признанным специалистом в области феноменологии множественного рождения частиц, активным участником подготовки научных программ и реализации ряда экспериментов на ускорителе У-70 ИФВЭ (коллаборация 2-метровой пропановой камеры, «Термализация» и др.), на нуклотроне ОИЯИ, в ЦЕРН (DELPHI, ATLAS), FNAL (CDF).

Профессор А.Н. Сисакян вел активную научно-организационную деятельность и педагогическую работу. Под его руководством защищено более 10 диссертаций, он руководил научным семинаром «Симметрии и интегрируемые системы» в Лаборатории теоретической физики им. Н.Н. Боголюбова ОИЯИ, на протяжении ряда лет являлся профессором Московского государственного университета, научным руководителем кафедры физики частиц высоких энергий Московского физико-технического института. А.Н. Сисакян — был председателем Совета Учебно-научного центра ОИЯИ, одним из инициаторов создания, вице-президентом и заведующим кафедрой теоретической физики Международного университета природы, общества и человека «Дубна», заместителем главного редактора журнала «Физика элементарных частиц и атомного ядра», главным редактором журнала «Письма в ЭЧАЯ» и др.

А.Н. Сисакян был членом Ученого совета ОИЯИ, Комиссии по частицам и полям Международного союза чистой и прикладной физики (IUPAP), Европейского комитета по будущим ускорителям (ECFA), организатором Европейских школ (ЦЕРН–ОИЯИ) по физике высоких энергий и многих крупных международных конференций, сопредседателем комитетов по научному сотрудничеству ОИЯИ–ЦЕРН и ОИЯИ–БМБФ (ФРГ) и др., членом ряда научных обществ и академий, в том числе действительным членом Российской академии естественных наук, иностранным членом Национальной академии наук Республики Армении. Ему было присвоено звание почетного профессора Тверского государственного университета, почетного доктора Ереванского государственного университета, почетного гражданина г. Аштарака.

Будучи вице-директором в 1989–2005 гг. и директором ОИЯИ с 2006 г., профессор А.Н. Сисакян внес значительный вклад в совершенствование научной базы Института, обновление ОИЯИ как открытого международного научного центра, развитие широкого сотрудничества с ведущими российскими и зарубежными научными центрами, разработку перспективной программы исследований, подготовку квалифицированных научных кадров для стран-участниц ОИЯИ. Во многом благодаря его усилиям ОИЯИ сохранился как международный научный центр, несмотря на сложные условия последних лет.

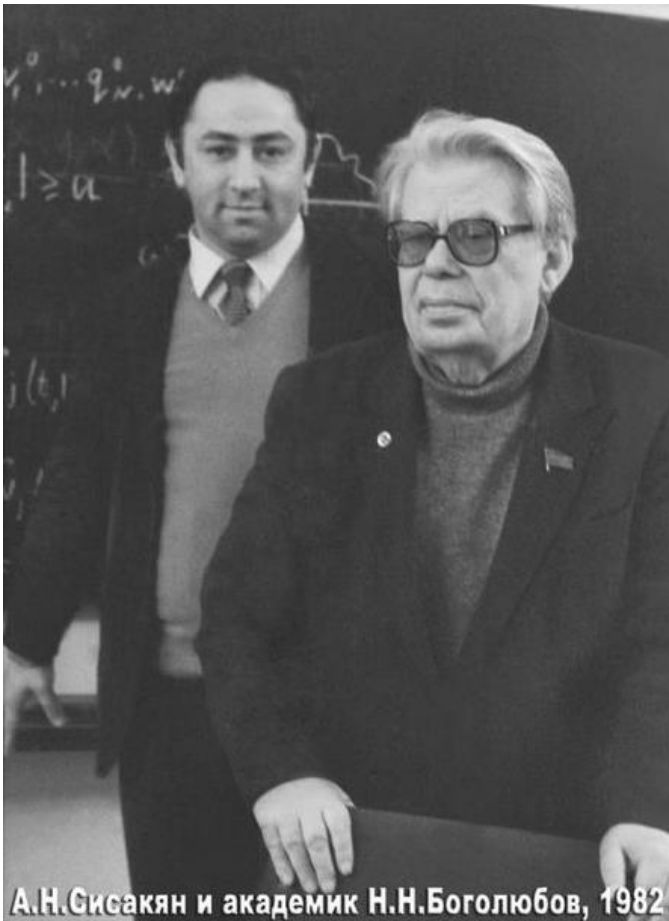
А.Н. Сисакян активно участвовал в становлении наукоградов, являясь президентом Союза развития наукоградов Российской Федерации. Он был первым заместителем председателя Российского Пагуошского комитета при Президиуме РАН.

За заслуги в развитии науки А.Н. Сисакян был награжден орденом Дружбы (РФ, 1995) и рядом государственных наград стран-участниц Объединенного института ядерных исследований. Он являлся лауреатом премии Ленинского комсомола (1973), трижды был отмечен премией ОИЯИ, в 2002 г. удостоен премии РАН и МАИК «Наука/Интерпериодика» за лучшую научную публикацию года.

Со школьного возраста его любимым увлечением была поэзия. А.Н. Сисакян — автор нескольких сборников стихов.

Алексея Норайровича Сисакяна всегда отличали преданность науке, делу, удивительное сочетание огромной силы воли с добротой и отзывчивостью к близким, друзьям, коллегам, к людям.















**Г.Н.Флеров, А.Н.Сисакян, Э.Капусцик,
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- B; Abdallah, J; Khalek, SA; Abdinov, O; еще *Observation and measurement of Higgs boson decays to WW^* with the ATLAS detector* 2872)
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- 107.... Sisakyan, A. N. (Aad, G; Abbott, B; Abdallah, J; Abdinov, O; Aben, R; еще 5149) **PHYSICAL REVIEW LETTERS** 2015
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- 110.... Sisakyan, A. N. (Aad, G; Abbott, B; Abdallah, J; Khalek, SA; Abdinov, O; еще 2881) **JOURNAL OF HIGH ENERGY PHYSICS** 2015
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- 113.... Sisakyan, A N (Aad, G; Abbott, B; Abdallah, J; Abdel Khalek, S; Abdinov, O; еще 2818) **Physical review letters** 2015
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- 291.... Sisakyan, A. N. (Aad, G; Abajyan, T; Abbott, B; Abdallah, J; Khalek, SA; еще 2881) **PHYSICS LETTERS B** 2013
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- 292.... Sisakyan, A. N. (Aad, G; Abajyan, T; Abbott, B; Abdallah, J; Khalek, SA; еще 2868) **PHYSICAL REVIEW D** 2013
Measurement of the Lambda(0)(b) lifetime and mass in the ATLAS experiment
- 293.... Sisakyan, A. N. (Aad, G; Abajyan, T; Abbott, B; Abdallah, J; Khaek, SA; еще 2889) **JOURNAL OF HIGH ENERGY PHYSICS** 2013
Search for the neutral Higgs bosons of the minimal supersymmetric standard model in pp collisions at root s=7 TeV with the ATLAS detector
- 294.... Sisakyan, A. N. (Aad, G; Abajyan, T; Abbott, B; Abdallah, J; Khalek, SA; еще 2900) **EUROPEAN PHYSICAL JOURNAL C** 2013
Measurement of the flavour composition of dijet events in pp collisions at root s=7 TeV with the ATLAS detector
- 295.... Sisakyan, A. N. (Aad, G; Abajyan, T; Abbott, B; Abdallah, J; Khalek, SA; еще 2900) **PHYSICS LETTERS B** 2013
Search for pair production of heavy top-like quarks decaying to a high-p(T) W boson and a b quark in the lepton plus jets final state at root s=7 TeV with the ATLAS detector
- 296.... Sisakyan, A. N. (Aad, G; Abajyan, T; Abbott, B; Abdallah, J; Khalek, SA; еще 2885) **PHYSICAL REVIEW D** 2013
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- 297.... Sisakyan, A. N. (Aad, G; Abajyan, T; Abbott, B; Abdallah, J; Khalek, SA; еще 2885) **PHYSICAL REVIEW LETTERS** 2013
Search for pair production of heavy top-like quarks decaying to a high-p(T) W boson and a b quark in the lepton plus jets final state at root s=7 TeV with the ATLAS detector

T; Abbott, B; Abdallah, J; Khalek, SA; еще 2900)	<i>Measurement of Z Boson Production in Pb-Pb Collisions at root s(NN)=2.76 TeV with the ATLAS Detector</i>	
298.... Sisakyan, A. N. (Aad, G; Abajyan, T; Abbott, B; Abdallah, J; Khalek, SA; еще 2885)	PHYSICS LETTERS B <i>Search for direct production of charginos and neutralinos in events with three leptons and missing transverse momentum in root s=7 TeV pp collisions with the ATLAS detector</i>	2013
299.... Sisakyan, A. N. (Aad, G; Abajyan, T; Abbott, B; Abdallah, J; Khalek, SA; еще 2886)	PHYSICS LETTERS B <i>Search for new phenomena in the WW -> vertical bar v vertical bar ' v ' final state in pp collisions at root s=7 TeV with the ATLAS detector</i>	2013
300.... Sisakyan, A. N. (Aad, G; Abajyan, T; Abbott, B; Abdallah, J; Khalek, SA; еще 2899)	PHYSICS LETTERS B <i>Search for direct slepton and gaugino production in final states with two leptons and missing transverse momentum with the ATLAS detector in pp collisions at root s=7 TeV</i>	2013
301.... Sisakyan, A. N. (Aad, G; Abajyan, T; Abbott, B; Abdallah, J; Khalek, SA; еще 2901)	PHYSICAL REVIEW D <i>Search for contact interactions and large extra dimensions in dilepton events from pp collisions at root s=7 TeV with the ATLAS detector</i>	2013
302.... Sisakyan, A. N. (Aad, G; Abajyan, T; Abbott, B; Abdallah, J; Khalek, SA; еще 2899)	PHYSICAL REVIEW LETTERS <i>Search for Dark Matter Candidates and Large Extra Dimensions in Events with a Photon and Missing Transverse Momentum in pp Collision Data at root s=7 TeV with the ATLAS Detector</i>	2013
303.... Sisakyan, A.N. (Aad, G.; Abajyan, T.; Abbott, B.; Abdallah, J.; Abdel Khalek, S.; еще 15)	Physics Letters B <i>Searches for heavy long-lived sleptons and R-hadrons with the ATLAS detector in pp collisions at radics=7 TeV</i>	2013
304.... Sisakyan, A. N. (Aad, G; Abajyan, T; Abbott, B; Abdallah, J; Khalek, SA; еще 2911)	JOURNAL OF HIGH ENERGY PHYSICS <i>Search for resonances decaying into top-quark pairs using fully hadronic decays in pp collisions with ATLAS at root s=7 TeV</i>	2013
305.... Sisakyan, A. N. (Aad, G.; Abajyan, T.; Abbott, B.; Abdallah, J.; Khalek, S. Abdel; еще 14)	PHYSICS LETTERS B <i>Measurement of angular correlations in Drell-Yan lepton pairs to probe Z/gamma* boson transverse momentum at root s=7 TeV with the ATLAS detector</i>	2013
306.... Sisakyan, A. N. (Aad, G.; Abajyan, T.; Abbott, B.; Abdallah, J.; Khalek, S. Abdel; еще 14)	PHYSICS LETTERS B <i>Search for long-lived, heavy particles in final states with a muon and multi-track displaced vertex in proton-proton collisions at root s=7 TeV with the ATLAS detector</i>	2013
307.... Sisakyan, A. N. (Aad, G; Abajyan,	JOURNAL OF HIGH ENERGY PHYSICS	2013

- T; Abbott, B; Abdallah, J; Khalek, SA; еще 2898) *ATLAS search for new phenomena in dijet mass and angular distributions using pp collisions at root s=7 TeV*
- 308.... Sisakyan, A. N. (Aad, G; Abajyan, T; Abbott, B; Abdallah, J; Khalek, SA; еще 2906) **JOURNAL OF HIGH ENERGY PHYSICS** 2013
Search for direct chargino production in anomaly-mediated supersymmetry breaking models based on a disappearing-track signature in pp collisions at root s=7 TeV with the ATLAS detector
- 309.... Sisakyan, A. N. (Aad, G; Abajyan, T; Abbott, B; Abdallah, J; Khalek, SA; еще 2894) **JOURNAL OF HIGH ENERGY PHYSICS** 2013
Measurement of isolated-photon pair production in pp collisions at root s=7 TeV with the ATLAS detector
- 310.... Sisakyan, A. N. (Aad, G.; Abajyan, T.; Abbott, B.; Abdallah, J.; Khalek, S. Abel; еще 15) **PHYSICS LETTERS B** 2013
Searches for heavy long-lived sleptons and R-hadrons with the ATLAS detector in pp collisions at root s=7 TeV
- 311.... Sisakyan, A. N. (Aad, G; Abajyan, T; Abbott, B; Abdallah, J; Khalek, SA; еще 2907) **EUROPEAN PHYSICAL JOURNAL C** 2013
Search for pair-produced massive coloured scalars in four-jet final states with the ATLAS detector in proton-proton collisions at root s=7 TeV
- 312.... Sisakyan, A. N. (Aad, G; Abajyan, T; Abbott, B; Abdallah, J; Khalek, SA; еще 2870) **EUROPEAN PHYSICAL JOURNAL C** 2013
Measurements of top quark pair relative differential cross-sections with ATLAS in pp collisions at root s=7 TeV
- 313.... Sisakyan, A. N. (Aad, G.; Abajyan, T.; Abbott, B.; Abdallah, J.; Khalek, S. Abdel; еще 14) **JOURNAL OF HIGH ENERGY PHYSICS** 2013
Search for third generation scalar leptoquarks in pp collisions at root s=7 TeV with the ATLAS detector
- 314.... Sisakyan, A. (Aad, G.; Abajyan, T.; Abbott, B.; Abdallah, J.; Khalek, S.; еще 16) **Journal of High Energy Physics** 2013
Search for dark matter candidates and large extra dimensions in events with a jet and missing transverse momentum with the ATLAS detector
- 315.... Sisakyan, A. N. (Aad, G; Abajyan, T; Abbott, B; Abdallah, J; Khalek, SA; еще 2871) **PHYSICAL REVIEW LETTERS** 2012
Search for Magnetic Monopoles in root s=7 TeV pp Collisions with the ATLAS Detector
- 316.... Sisakyan, A. N. (Aad, G; Abajyan, T; Abbott, B; Abdallah, J; Khalek, SA; еще 2928) **SCIENCE** 2012
A Particle Consistent with the Higgs Boson Observed with the ATLAS Detector at the Large Hadron Collider
- 317.... Sisakyan, A. N. (Aad, G; Abbott, B; Abdallah, J; Khalek, SA; Abdelalim, AA; еще 2863) **PHYSICS LETTERS B** 2012
Search for the Standard Model Higgs boson produced in association with a vector boson and decaying to a b-quark pair with the ATLAS detector
- 318.... Sisakyan, A. N. (Aad, G; Abajyan, T; Abbott, B; Abdallah, J; Khalek, SA; еще

2870)	<i>decay channel at root s=7 TeV with the ATLAS detector</i>	
319.... Sisakyan, A. N. (Aad, G; Abajyan, T; Abbott, B; Abdallah, J; Khalek, SA; еще 2904)	PHYSICS LETTERS B <i>Search for diphoton events with large missing transverse momentum in 7 TeV proton-proton collision data with the ATLAS detector</i>	2012
320.... Sisakyan, A. N. (Aad, G; Abajyan, T; Abbott, B; Abdallah, J; Khalek, SA; еще 2883)	JOURNAL OF HIGH ENERGY PHYSICS <i>Time-dependent angular analysis of the decay $B_s(0) \rightarrow J/\psi \phi$ and extraction of $\Delta \Gamma(s)$ and the CP-violating weak phase $\phi(s)$ by ATLAS</i>	2012
321.... Sisakyan, A. N. (Aad, G; Abajyan, T; Abbott, B; Abdallah, J; Khalek, SA; еще 2903)	JOURNAL OF HIGH ENERGY PHYSICS <i>Search for R-parity-violating supersymmetry in events with four or more leptons in root s=7 TeV pp collisions with the ATLAS detector</i>	2012
322.... Sisakyan, A. N. (Aad, G; Abajyan, T; Abbott, B; Abdallah, J; Khalek, SA; еще 2905)	JOURNAL OF HIGH ENERGY PHYSICS <i>Search for pair production of massive particles decaying into three quarks with the ATLAS detector in root s=7 TeV pp collisions at the LHC</i>	2012
323.... Sisakyan, A. N. (Aad, G; Abajyan, T; Abbott, B; Abdallah, J; Khalek, SA; еще 2901)	EUROPEAN PHYSICAL JOURNAL C <i>Search for doubly charged Higgs bosons in like-sign dilepton final states at root s=7 TeV with the ATLAS detector</i>	2012
324.... Sisakyan, A. N. (Aad, G; Abajyan, T; Abbott, B; Abdallah, J; Khalek, SA; еще 2898)	EUROPEAN PHYSICAL JOURNAL C <i>ATLAS search for a heavy gauge boson decaying to a charged lepton and a neutrino in pp collisions at root s=7 TeV</i>	2012
325.... Sisakyan, A. N. (Aad, G; Abajyan, T; Abbott, B; Abdallah, J; Khalek, SA; еще 2903)	JOURNAL OF HIGH ENERGY PHYSICS <i>Search for anomalous production of prompt like-sign lepton pairs at root s=7 TeV with the ATLAS detector</i>	2012
326.... Sisakyan, A. N. (Aad, G; Abajyan, T; Abbott, B; Abdallah, J; Khalek, SA; еще 2897)	PHYSICAL REVIEW D <i>Search for resonant top quark plus jet production in $t(\bar{t}) + \text{jets}$ events with the ATLAS detector in pp collisions at root s=7 TeV</i>	2012
327.... Sisakyan, A. N. (Aad, G; Abbott, B; Abdallah, J; Khalek, SA; Abdelalim, AA; еще 2857)	NUCLEAR PHYSICS B <i>Measurement of the b-hadron production cross section using decays to $D^{*+} \mu X$ final states in pp collisions at root s=7 TeV with the ATLAS detector</i>	2012
328.... Sisakyan, A. N. (Aad, G; Abajyan, T; Abbott, B; Abdallah, J; Khalek, SA; еще 2885)	PHYSICAL REVIEW LETTERS <i>Search for a Supersymmetric Partner to the Top Quark in Final States with Jets and Missing Transverse Momentum at root s=7 TeV with the ATLAS Detector</i>	2012

329.... Sisakyan, A. N. (Aad, G; Abajyan, T; Abbott, B; Abdallah, J; Khalek, SA; еще 2881)	PHYSICAL REVIEW LETTERS <i>Search for Direct Top Squark Pair Production in Final States with One Isolated Lepton, Jets, and Missing Transverse Momentum in $\sqrt{s}=7$ TeV pp Collisions Using 4.7 fb^{-1} of ATLAS Data</i>	2012
330.... Sisakyan, A. N. (Aad, G; Abajyan, T; Abbott, B; Abdallah, J; Khalek, SA; еще 2890)	PHYSICAL REVIEW D <i>Further search for supersymmetry at $\sqrt{s}=7$ TeV in final states with jets, missing transverse momentum, and isolated leptons with the ATLAS detector</i>	2012
331.... Sisakyan, A. N. (Aad, G; Abajyan, T; Abbott, B; Abdallah, J; Khalek, SA; еще 2884)	JOURNAL OF HIGH ENERGY PHYSICS <i>Measurements of the pseudorapidity dependence of the total transverse energy in proton-proton collisions at $\sqrt{s}=7$ TeV with ATLAS</i>	2012
332.... Sisakyan, A. N. (Aad, G; Abajyan, T; Abbott, B; Abdallah, J; Khalek, SA; еще 2881)	JOURNAL OF HIGH ENERGY PHYSICS <i>Search for high-mass resonances decaying to dilepton final states in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector</i>	2012
333.... Sisakyan, A. N. (Aad, G; Abajyan, T; Abbott, B; Abdallah, J; Khalek, SA; еще 2907)	EUROPEAN PHYSICAL JOURNAL C <i>Search for supersymmetry in events with large missing transverse momentum, jets, and at least one tau lepton in 7 TeV proton-proton collision data with the ATLAS detector</i>	2012
334.... Sisakyan, A. N. (Aad, G; Abajyan, T; Abbott, B; Abdallah, J; Khalek, SA; еще 2881)	EUROPEAN PHYSICAL JOURNAL C <i>Search for light scalar top-quark pair production in final states with two leptons with the ATLAS detector in $\sqrt{s}=7$ TeV proton-proton collisions</i>	2012
335.... Sisakyan, A. N. (Aad, G; Abbott, B; Abdallah, J; Khalek, SA; Abdelalim, AA; еще 2858)	EUROPEAN PHYSICAL JOURNAL C <i>Measurement of event shapes at large momentum transfer with the ATLAS detector in pp collisions at $\sqrt{s}=7$ TeV</i>	2012
336.... Sisakyan, A. N. (Aad, G; Abajyan, T; Abbott, B; Abdallah, J; Khalek, SA; еще 3080)	JOURNAL OF HIGH ENERGY PHYSICS <i>Search for a heavy top-quark partner in final states with two leptons with the ATLAS detector at the LHC</i>	2012
337.... Sisakyan, A. N. (Aad, G; Abbott, B; Abdallah, J; Khalek, SA; Abdelalim, AA; еще 3044)	PHYSICS LETTERS B <i>Measurement of the t-channel single top-quark production cross section in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector</i>	2012
338.... Sisakyan, A. N. (Aad, G; Abbott, B; Abdallah, J; Khalek, SA; Abdelalim, AA; еще 2863)	PHYSICS LETTERS B <i>Search for a standard model Higgs boson in the $H \rightarrow ZZ \rightarrow l(+)l(-) \nu(\nu)\overline{\nu}$ decay channel using 4.7 fb^{-1} of $\sqrt{s}=7$ TeV data with the ATLAS detector</i>	2012
339.... Sisakyan, A. N. (Aad, G; Abbott,	PHYSICS LETTERS B	2012

- B; Abdallah, J; Khalek, SA; Abdelalim, AA; еще 2883) *Measurement of W gamma and Z gamma production cross sections in pp collisions at root s=7 TeV and limits on anomalous triple gauge couplings with the ATLAS detector*
- 340.... Sisakyan, A. N. (Aad, G; Abbott, B; Abdallah, J; Khalek, SA; Abdelalim, AA; еще 2859) **PHYSICS LETTERS B** 2012
Search for a Standard Model Higgs boson in the mass range 200-600 GeV in the $H \rightarrow ZZ \rightarrow l^{(+)}l^{(-)}q(q)$ decay channel with the ATLAS detector
- 341.... Sisakyan, A. N. (Aad, G; Abbott, B; Abdallah, J; Khalek, SA; Abdelalim, AA; еще 2874) **PHYSICS LETTERS B** 2012
Measurement of the top quark pair cross section with ATLAS in pp collisions at root s=7 TeV using final states with an electron or a muon and a hadronically decaying tau lepton
- 342.... Sisakyan, A. N. (Aad, G; Abbott, B; Abdallah, J; Khalek, SA; Abdelalim, AA; еще 2855) **PHYSICAL REVIEW D** 2012
ATLAS measurements of the properties of jets for boosted particle searches
- 343.... Sisakyan, A. N. (Aad, G; Abbott, B; Abdallah, J; Thalek, SA; Abdelalim, AA; еще 2870) **PHYSICAL REVIEW D** 2012
Underlying event characteristics and their dependence on jet size of charged-particle jet events in pp collisions at root(s)=7 TeV with the ATLAS detector
- 344.... Sisakyan, A. N. (Aad, G; Abajyan, T; Abbott, B; Abdallah, J; Khalek, SA; еще 2899) **EUROPEAN PHYSICAL JOURNAL C** 2012
Measurement of $W^{(\pm)}Z$ production in proton-proton collisions at root s=7 TeV with the ATLAS detector
- 345.... Sisakyan, A. N. (Aad, G; Abajyan, T; Abbott, B; Abdallah, J; Khalek, SA; еще 2868) **EUROPEAN PHYSICAL JOURNAL C** 2012
Search for top and bottom squarks from gluino pair production in final states with missing transverse energy and at least three b-jets with the ATLAS detector
- 346.... Sisakyan, A. N. (Aad, G; Abbott, B; Abdallah, J; Khalek, SA; Abdelalim, AA; еще 2848) **PHYSICS LETTERS B** 2012
Search for the Standard Model Higgs boson in the $H \rightarrow WW^{()} \rightarrow l\nu l\nu$ decay mode with 4.7 fb⁻¹ of ATLAS data at root s=7 TeV*
- 347.... Sisakyan, A. N. (Aad, G; Abajyan, T; Abbott, B; Abdallah, J; Khalek, SA; еще 2927) **PHYSICS LETTERS B** 2012
Observation of a new particle in the search for the Standard Model Higgs boson with the ATLAS detector at the LHC
- 348.... Sisakyan, A. N. (Aad, G; Abbott, B; Abdallah, J; Khalek, SA; Abdelalim, AA; еще 2863) **PHYSICS LETTERS B** 2012
Evidence for the associated production of a W boson and a top quark in ATLAS at root s=7 TeV
- 349.... Sisakyan, A. N. (Aad, G; Abbott, B; Abdallah, J; Abdelahm, AA; Abdesselam, A; *Search for TeV-scale gravity signatures in final states with leptons and jets with the ATLAS detector*

- еще 3036) *at root s=7 TeV*
- 350.... Sisakyan, A. N. (Aad, G; Abbott, B; Abdallah, J; Abdelalim, AA; Abdesselam, A; еще 3026) **PHYSICAL REVIEW D** 2012
Measurement of the azimuthal ordering of charged hadrons with the ATLAS detector
- 351.... Sisakyan, A. N. (Aad, G; Abbott, B; Abdallah, J; Khalek, SA; Abdelalim, AA; еще 2861) **JOURNAL OF HIGH ENERGY PHYSICS** 2012
Search for the Standard Model Higgs boson in the $H \rightarrow \tau(+)\tau(-)$ decay mode in $\sqrt{s}=7$ TeV pp collisions with ATLAS
- 352.... Sisakyan, A. N. (Aad, G; Abajyan, T; Abbott, B; Abdallah, J; Khalek, SA; еще 2869) **JOURNAL OF HIGH ENERGY PHYSICS** 2012
A search for $t(\bar{t})$ resonances in lepton plus jets events with highly boosted top quarks collected in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector
- 353.... Sisakyan, A. N. (Aad, G; Abbott, B; Abdallah, J; Khalek, SA; Abdelalim, AA; еще 3051) **EUROPEAN PHYSICAL JOURNAL C** 2012
Search for second generation scalar leptoquarks in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector
- 354.... Sisakyan, A. N. (Aad, G; Abbott, B; Abdallah, J; Khalek, SA; Abdelalim, AA; еще 2859) **EUROPEAN PHYSICAL JOURNAL C** 2012
Search for a fermiophobic Higgs boson in the diphoton decay channel with the ATLAS detector
- 355.... Sisakyan, A. N. (Aad, G; Abbott, B; Abdallah, J; Khalek, SA; Abdelalim, AA; еще 2859) **JOURNAL OF HIGH ENERGY PHYSICS** 2012
A search for flavour changing neutral currents in top-quark decays in pp collision data collected with the ATLAS detector at $\sqrt{s}=7$ TeV
- 356.... Sisakyan, A. N. (Aad, G; Abbott, B; Abdallah, J; Khalek, SA; Abdelalim, AA; еще 2867) **PHYSICS LETTERS B** 2012
Search for scalar top quark pair production in natural gauge mediated supersymmetry models with the ATLAS detector in pp collisions at $\sqrt{s}=7$ TeV
- 357.... Sisakyan, A N (Aad, G; Abbott, B; Abdallah, J; Abdel Khalek, S; Abdelalim, A; еще 3033) **Physical review letters** 2012
A Search for tb resonances in proton-proton collisions at $\sqrt{s}=7$ TeV with the ATLAS detector.
- 358.... Sisakyan, A N (Aad, G; Abbott, B; Abdallah, J; Abdel Khalek, S; Abdelalim, A; еще 3035) **Physical review letters** 2012
A Search for pair production of a new b' quark that decays into a Z boson and a bottom quark with the ATLAS detector.
- 359.... Sisakyan, A. N. (Aad, G; Abbott, B; Abdallah, J; Khalek, SA; Abdelalim, AA; еще 3042) **PHYSICS LETTERS B** 2012
Search for events with large missing transverse momentum, jets, and at least two tau leptons in 7 TeV proton-proton collision data with the ATLAS detector ATLAS Collaboration
- 360.... Sisakyan, A. N. (Aad, G; Abbott, B; Abdallah, J; Khalek, SA; Abdelalim,

AA; еще 3051)	<i>transverse momentum and at least one hadronically decaying tau lepton in proton-proton collisions at root s=7 TeV with the ATLAS detector</i> ATLAS Collaboration	
361.... Sisakyan, A. N. (Aad, G; Abajyan, T; Abbott, B; Abdallah, J; Khalek, SA; еще 2868)	PHYSICAL REVIEW D <i>Combined search for the Standard Model Higgs boson in pp collisions at root s=7 TeV with the ATLAS detector</i>	2012
362.... Sisakyan, A. N. (Aad, G; Abbott, B; Abdallah, J; Khalek, SA; Abdelalim, AA; еще 3049)	PHYSICAL REVIEW C <i>Measurement of the azimuthal anisotropy for charged particle production in root s(NN)=2.76 TeV lead-lead collisions with the ATLAS detector</i>	2012
363.... Sisakyan, A. N. (Aad, G; Abbott, B; Abdallah, J; Abdelalim, AA; Abdesselam, A; еще 3020)	PHYSICAL REVIEW D <i>Measurement of inclusive jet and dijet production in pp collisions at root s=7 TeV using the ATLAS detector</i>	2012
364.... Sisakyan, A. N. (Aad, G; Abbott, B; Abdallah, J; Abdelalim, AA; Abdesselam, A; еще 3030)	PHYSICAL REVIEW D <i>Search for pair-produced heavy quarks decaying to Wq in the two-lepton channel at root(s)=7 TeV with the ATLAS detector</i>	2012
365.... Sisakyan, A N (Aad, G; Abbott, B; Abdallah, J; Abdelalim, A A; Abdesselam, A; еще 3035)	Physical review letters <i>Search for down-type fourth generation quarks with the ATLAS detector in events with one lepton and hadronically decaying W bosons.</i>	2012
366.... Sisakyan, A. N. (Aad, G; Abbott, B; Abdallah, J; Khalek, SA; Abdelalim, AA; еще 2862)	PHYSICS LETTERS B <i>Search for the decay B-s(0) -> mu(+)mu(-) with the ATLAS detector</i>	2012
367.... Sisakyan, A N (Aad, G; Abbott, B; Abdallah, J; Abdelalim, A A; Abdesselam, A; еще 3030)	Physical review letters <i>Determination of the strange-quark density of the proton from ATLAS measurements of the Wlnu and Zll cross sections.</i>	2012
368.... Sisakyan, A. N. (Aad, G; Abbott, B; Abdallah, J; Abdelalim, AA; Abdesselam, A; еще 3029)	PHYSICAL REVIEW LETTERS <i>Determination of the Strange-Quark Density of the Proton from ATLAS Measurements of the W -> lv and Z -> ll Cross Sections</i>	2012
369.... Sisakyan, A. N. (Aad, G; Abbott, B; Abdallah, J; Khalek, SA; Abdelalim, AA; еще 2858)	EUROPEAN PHYSICAL JOURNAL C <i>A search for t (t)over-bar resonances with the ATLAS detector in 2.05 fb(-1) of proton-proton collisions at root s=7 TeV</i>	2012
370.... Sisakyan, A. N. (Aad, G; Abbott, B; Abdallah, J; Abdelalim, AA; Abdesselam, A; еще 3029)	EUROPEAN PHYSICAL JOURNAL C <i>Search for heavy neutrinos and right-handed W bosons in events with two leptons and jets in pp collisions at root s=7 TeV with the ATLAS detector</i>	2012
371.... Sisakyan, A. N. (Aad, G; Abbott,	EUROPEAN PHYSICAL JOURNAL C	2012

- B; Abdallah, J; Khalek, SA; Abdelalim, AA; еще 3036) *Measurement of tau polarization in $W \rightarrow \tau \nu$ decays with the ATLAS detector in pp collisions at root $s=7$ TeV*
- 372.... Sisakyan, A. N. (Aad, G; Abbott, B; Abdallah, J; Khalek, SA; Abdelalim, AA; еще 2859) **JOURNAL OF HIGH ENERGY PHYSICS** 2012
Hunt for new phenomena using large jet multiplicities and missing transverse momentum with ATLAS in 4.7fb^{-1} of root $s=7$ TeV proton-proton collisions
- 373.... Sisakyan, A. N. (Aad, G; Abbott, B; Abdallah, J; Abdelalim, AA; Abdesselam, A; еще 3029) **JOURNAL OF HIGH ENERGY PHYSICS** 2012
Forward-backward correlations and charged-particle azimuthal distributions in pp interactions using the ATLAS detector
- 374.... Sisakyan, A. N. (Aad, G; Abbott, B; Abdallah, J; Khalek, SA; Abdelalim, AA; еще 2870) **PHYSICAL REVIEW LETTERS** 2012
Search for Supersymmetry in Events with Three Leptons and Missing Transverse Momentum in root $s=7$ TeV pp Collisions with the ATLAS Detector
- 375.... Sisakyan, A N (Aad, G; Abbott, B; Abdallah, J; Abdelalim, A A; Abdesselam, A; еще 3029) **Physical review letters** 2012
Search for pair production of a heavy up-type quark decaying to a W boson and a b quark in the lepton + jets channel with the ATLAS detector.
- 376.... Sisakyan, A. N. (Aad, G; Abbott, B; Abdallah, J; Khalek, SA; Abdelalim, AA; еще 3051) **PHYSICAL REVIEW D** 2012
Search for resonant WZ production in the $WZ \rightarrow l\nu l'$ channel in root(s)= 7 TeV pp collisions with the ATLAS detector
- 377.... Sisakyan, A. N. (Aad, G; Abbott, B; Abdallah, J; Abdelalim, AA; Abdesselam, A; еще 3026) **PHYSICAL REVIEW LETTERS** 2012
Search for a Light Higgs Boson Decaying to Long-Lived Weakly Interacting Particles in Proton-Proton Collisions at root $s=7$ TeV with the ATLAS Detector
- 378.... Sisakyan, A. N. (Aad, G; Abbott, B; Abdallah, J; Khalek, SA; Abdelalim, AA; еще 3044) **PHYSICAL REVIEW LETTERS** 2012
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- 385.... Sisakyan, A. N. (Aad, G; Abbott, B; Abdallah, J; Abdelalim, AA; Abdesselam, A; еще 3029) **EUROPEAN PHYSICAL JOURNAL C** 2012
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- 389.... Sisakyan, A. N. (Aad, G; Abbott, B; Abdallah, J; Khalek, SA; Abdelalim, AA; еще 3118) **PHYSICS LETTERS B** 2012
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427.... Sisakyan, A. N. (Aad, G; Abbott, B; Abdallah, J; Abdelalim, AA; Abdesselam, A; еще 3019)	PHYSICS LETTERS B <i>Measurement of the cross section for the production of a W boson in association with b-jets in pp collisions at root s=7 TeV with the ATLAS detector</i>	2012
428.... Sisakyan, A. N. (Aad, G; Abbott, B; Abdallah, J; Abdelalim, AA; Abdesselam, A; еще 3014)	PHYSICS LETTERS B <i>Measurements of the electron and muon inclusive cross-sections in proton-proton collisions at root s=7 TeV with the ATLAS detector</i>	2012
429.... Sisakyan, A. N. (Aad, G; Abbott, B; Abdallah, J; Abdelalim, AA; Abdesselam, A; еще 3012)	PHYSICS LETTERS B <i>Measurement of the pseudorapidity and transverse momentum dependence of the elliptic flow of charged particles in lead-lead collisions at root s(NN)=2.76 TeV with the ATLAS detector</i>	2012
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431.... Sisakyan, A. N. (Aad, G; Abbott, B; Abdallah, J; Abdelalim, AA; Abdesselam, A; еще 3012)	PHYSICAL REVIEW LETTERS <i>Search for New Phenomena in t(t)overbar Events with Large Missing Transverse Momentum in Proton-Proton Collisions at root s=7 TeV with the ATLAS Detector</i>	2012
432.... Sisakyan, A. N. (Aad, G; Abbott, B; Abdallah, J; Abdelalim, AA; Abdesselam, A; еще 3019)	PHYSICAL REVIEW D <i>Measurement of the transverse momentum distribution of W bosons in pp collisions at root s=7 TeV with the ATLAS detector</i>	2012
433.... Sisakyan, A. N. (Aad, G; Abbott, B; Abdallah, J; Abdelalim, AA; Abdesselam, A; еще 3001)	PHYSICAL REVIEW D <i>Search for supersymmetry in final states with jets, missing transverse momentum and one isolated lepton in root s=7 TeV pp collisions using 1 fb(-1) of ATLAS data</i>	2012
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435.... Sisakyan, A. N. (Aad, G; Abbott, B; Abdallah, J; Abdelalim, AA; Abdesselam, A; еще 3028)	PHYSICAL REVIEW D <i>Measurement of the isolated diphoton cross section in pp collisions at root s=7 TeV with the ATLAS</i>	2012

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- 468.... Sisakyan, A. N. (Aad, G; Abbott, B; Abdallah, J; Abdelalim, AA; Abdesselam, A; еще 3047) **NATURE COMMUNICATIONS** 2011
Measurement of the inelastic proton-proton cross-section at $\sqrt{s}=7$ TeV with the ATLAS detector
- 469.... Sisakyan, A. N. (Aad, G; Abbott, B; Abdallah, J; Abdelalim, AA; Abdesselam, A; еще 3041) **JOURNAL OF HIGH ENERGY PHYSICS** 2011
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- 470.... Sisakyan, A. N. (Aad, G; Abbott, B; Abdallah, J; Abdelalim, AA; Abdesselam, A; еще 3041) **JOURNAL OF HIGH ENERGY PHYSICS** 2011
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A; еще 3039)	<i>additional central jet activity in pp collisions at root s=7 TeV using the ATLAS detector</i>	
471.... Sisakyan, A. N. (Aad, G; Abbott, B; Abdallah, J; Abdelalim, AA; Abdesselam, A; еще 3031)	PHYSICAL REVIEW LETTERS <i>Measurement of the W+W- Cross Section in root s=7 TeV pp Collisions with ATLAS</i>	2011
472.... Sisakyan, A. N. (Aad, G; Abbott, B; Abdallah, J; Abdelalim, AA; Abdesselam, A; еще 3040)	PHYSICS LETTERS B <i>Search for supersymmetry in pp collisions at root s=7 TeV in final states with missing transverse momentum and b-jets</i>	2011
473.... Sisakyan, A. N. (Aad, G; Abdallah, J; Abdelalim, AA; Abdesselam, A; Abdinov, O; еще 3042)	PHYSICS LETTERS B <i>Search for squarks and gluinos using final states with jets and missing transverse momentum with the ATLAS detector in root s=7 TeV proton-proton collisions</i>	2011
474.... Sisakyan, A. N. (Aad, G; Abbott, B; Abdallah, J; Abdelalim, AA; Abdesselam, A; еще 3038)	EUROPEAN PHYSICAL JOURNAL C <i>Search for supersymmetric particles in events with lepton pairs and large missing transverse momentum in root s=7 TeV proton-proton collisions with the ATLAS experiment</i>	2011
475.... Sisakyan, A. N. (Aad, G; Abbott, B; Abdallah, J; Abdelalim, AA; Abdesselam, A; еще 3029)	PHYSICAL REVIEW D <i>Search for contact interactions in dimuon events from pp collisions at root s=7 TeV with the ATLAS detector</i>	2011
476.... Sisakyan, A. N. (Aad, G; Abbott, B; Abdallah, J; Abdelalim, AA; Abdesselam, A; еще 3036)	EUROPEAN PHYSICAL JOURNAL C <i>Search for an excess of events with an identical flavour lepton pair and significant missing transverse momentum in root s=7 TeV proton-proton collisions with the ATLAS detector</i>	2011
477.... Sisakyan, A. N. (Aad, G; Abbott, B; Abdallah, J; Abdelalim, AA; Abdesselam, A; еще 3051)	PHYSICS LETTERS B <i>Search for high-mass states with one lepton plus missing transverse momentum in proton-proton collisions root s=7 TeV with the ATLAS detector</i>	2011
478.... Sisakyan, A. N. (Aad, G; Abbott, B; Abdallah, J; Abdelalim, AA; Abdesselam, A; еще 3029)	PHYSICS LETTERS B <i>Search for stable hadronising squarks and gluinos with the ATLAS experiment at the LHC</i>	2011
479.... Sisakyan, A. N. (Aad, G; Abbott, B; Abdallah, J; Abdelalim, AA; Abdesselam, A; еще 3037)	PHYSICS LETTERS B <i>Measurement of the W charge asymmetry in the W -> mu nu decay mode in pp collisions at root s=7 TeV with the ATLAS detector</i>	2011
480.... Sisakyan, A. N. (Aad, G; Abbott, B; Abdallah, J; Abdelalim, AA; Abdesselam, A; еще 3051)	PHYSICAL REVIEW D <i>Search for pair production of first or second generation leptoquarks in proton-proton collisions at root s=7 TeV using the ATLAS detector at the LHC</i>	2011
481.... Sisakyan, A. N. (Aad, G; Abbott,	PHYSICS LETTERS B	2011

- B; Abdallah, J; Abdelalim, AA; Abdesselam, A; еще 3031) *Search for high mass dilepton resonances in pp collisions at root s=7 TeV with the ATLAS experiment*
- 482.... Sisakyan, A. N. (Syresin, EM; Anchutkin, VS; Budagov, YA; Bel'skii, AB; Gushchin, OP; еще 7) **JOURNAL OF SURFACE INVESTIGATION-X-RAY SYNCHROTRON AND NEUTRON TECHNIQUES** 2011
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- 483.... Sisakyan, A. N. (Aad, G; Abbott, B; Abdallah, J; Abdelalim, AA; Abdesselam, A; еще 3068) **PHYSICAL REVIEW D** 2011
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- 484.... Sisakyan, A. N. (Aad, G; Abbott, B; Abdallah, J; Abdelalim, AA; Abdesselam, A; еще 3057) **NEW JOURNAL OF PHYSICS** 2011
A search for new physics in dijet mass and angular distributions in pp collisions at root s=7 TeV measured with the ATLAS detector
- 485.... Sisakyan, A. N. (Aad, G; Abbott, B; Abdallah, J; Abdelalim, AA; Abdesselam, A; еще 3043) **NEW JOURNAL OF PHYSICS** 2011
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- 487.... Sisakyan, A. N. (Aad, G; Abbott, B; Abdallah, J; Abdelalim, AA; Abdesselam, A; еще 3044) **PHYSICAL REVIEW LETTERS** 2011
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- 488.... Sisakyan, A. N. (Aad, G; Abbott, B; Abdallah, J; Abdelalim, AA; Abdesselam, A; еще 3035) **PHYSICS LETTERS B** 2011
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- 489.... Sisakyan, A. N. (Aad, G; Abbott, B; Abdallah, J; Abdelalim, AA; Abdesselam, A; еще 3044) **PHYSICS LETTERS B** 2011
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- 490.... Sisakyan, A. N. (Aad, G; Abbott, B; Abdallah, J; Abdelalim, AA; Abdesselam, A; еще 3071) **EUROPEAN PHYSICAL JOURNAL C** 2011
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- 491.... Sisakyan, A. N. (Aad, G; Abbott, B; Abdallah, J; Abdelalim, AA; Abdesselam, A; еще 3045) **PHYSICAL REVIEW LETTERS** 2011
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- 492.... Sisakyan, A. N. (Aad, G; Abbott, B; Abdallah, J; Abdelalim, AA; Abdesselam, A; еще 3045) **PHYSICAL REVIEW LETTERS** 2011
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- A; еще 3042) *Transverse Energy in 7 TeV Proton-Proton Collisions with the ATLAS Detector*
- 493.... Sisakyan, A. N. (Aad, G; Abbott, B; Abdallah, J; Abdelalim, AA; Abdesselam, A; еще 3046) **PHYSICS LETTERS B** 2011
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- 494.... Sisakyan, A. N. (Aad, G; Abbott, B; Abdallah, J; Abdelalim, AA; Abdesselam, A; еще 3043) **PHYSICAL REVIEW D** 2011
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- 495.... Sisakyan, A. N. (Aad, G; Abbott, B; Abdallah, J; Abdelalim, AA; Abdesselam, A; еще 3080) **EUROPEAN PHYSICAL JOURNAL C** 2011
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- 496.... Sisakyan, A. N. (Aad, G; Abbott, B; Abdallah, J; Abdelalim, AA; Abdesselam, A; еще 2534) **EUROPEAN PHYSICAL JOURNAL C** 2011
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- 497.... Sisakyan, A. (Aaltonen, T; Adelman, J; Gonzalez, BA; Amerio, S; Amidei, D; еще 574) **PHYSICAL REVIEW D** 2011
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- 499.... Sisakyan, A. N. (Aad, G; Abbott, B; Abdallah, J; Abdelalim, AA; Abdesselam, A; еще 3166) **EUROPEAN PHYSICAL JOURNAL C** 2011
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A study of the b -quark fragmentation function with the DELPHI detector at LEP I and an averaged distribution obtained at the Z Pole
- 501.... Sisakyan, A. N. (Aad, G; Abbott, B; Abdallah, J; Abdelalim, AA; Abdesselam, A; еще 3173) **PHYSICS LETTERS B** 2011
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- 502.... Sisakyan, A. N. (Aad, G.; Abbott, B.; Abdallah, J.; Abdelalim, A. A.; Abdesselam, A.; еще 15) **PHYSICAL REVIEW D** 2011
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- 503.... Sisakyan, A. N. (Aad, G.; Abbott, B.; Abdallah, J.; Abdelalim, A. A.; Abdesselam, A.; еще 15) **PHYSICAL REVIEW LETTERS** 2011
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- 504.... Sisakyan, A. N. (Aad, G.; Abbott, B.; Abdallah, J.; Abdelalim, A. A.; Abdesselam, A.; еще 15) **PHYSICS LETTERS B** 2011
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A.; Abdesselam, A.; еще 15)	<i>decay channel $H \rightarrow ZZ^{(*)}(\gamma) \rightarrow 4l$ with the ATLAS detector</i>	
505.... Sisakyan, A. N. (Aad, G.; Abbott, B.; Abdallah, J.; Abdelalim, A. A.; Abdesselam, A.; еще 15)	PHYSICAL REVIEW D <i>Properties of jets measured from tracks in proton-proton collisions at center-of-mass energy root $s=7$ TeV with the ATLAS detector</i>	2011
506.... Sisakyan, A. (Aaltonen, T; Adelman, J; Akimoto, T; Gonzalez, BA; Amerio, S; еще 595)	PHYSICAL REVIEW D <i>Measurement of particle production and inclusive differential cross sections in $p(\bar{p})$ collisions at root $s = 1.96$ TeV (vol 79, 112005, 2009)</i>	2010
507.... Sisakyan, A. (Aaltonen, T; Adelman, J; Gonzalez, BA; Amerio, S; Amidei, D; еще 571)	PHYSICAL REVIEW D <i>Observation of single top quark production and measurement of vertical V-tb vertical bar with CDF</i>	2010
5-8. ... Sisakyan, A. N. (Aad, G; Abbott, B; Abdallah, J; Abdelalim, AA; Abdesselam, A; еще 3028)	PHYSICAL REVIEW LETTERS <i>Observation of a Centrality-Dependent Dijet Asymmetry in Lead-Lead Collisions at root $s(NN)=2.76$ TeV with the ATLAS Detector at the LHC</i>	2010
508.... Sisakyan, A. N. (Aad, G; Abbott, B; Abdallah, J; Abdelalim, AA; Abdesselam, A; еще 2788)	EUROPEAN PHYSICAL JOURNAL C <i>Readiness of the ATLAS liquid argon calorimeter for LHC collisions</i>	2010
509.... Sisakyan, A. N. (Aad, G; Abbott, B; Abdallah, J; Abdelalim, AA; Abdesselam, A; еще 2795)	EUROPEAN PHYSICAL JOURNAL C <i>Drift Time Measurement in the ATLAS Liquid Argon Electromagnetic Calorimeter using Cosmic Muons</i>	2010
510.... Sisakyan, A. N. (Aad, G; Abbott, B; Abdallah, J; Abdelalim, AA; Abdesselam, A; еще 2564)	EUROPEAN PHYSICAL JOURNAL C <i>The ATLAS Inner Detector commissioning and calibration</i>	2010
511.... Sisakyan, A. N. (Aad, G; Abbott, B; Abdallah, J; Abdelalim, AA; Abdesselam, A; еще 2590)	EUROPEAN PHYSICAL JOURNAL C <i>The ATLAS Simulation Infrastructure</i>	2010
512.... Sisakyan, A. N. (Aad, G; Abbott, B; Abdallah, J; Abdelalim, AA; Abdesselam, A; еще 2587)	EUROPEAN PHYSICAL JOURNAL C <i>Commissioning of the ATLAS Muon Spectrometer with cosmic rays</i>	2010
513.... Sisakyan, A. N. (Aad, G; Abbott, B; Abdallah, J; Abdelalim, AA; Abdesselam, A; еще 2572)	EUROPEAN PHYSICAL JOURNAL C <i>Readiness of the ATLAS Tile Calorimeter for LHC collisions</i>	2010
514.... Sisakyan, A. N. (Aad, G; Abbott, B; Abdallah, J; Abdelalim, AA; Abdesselam, A; еще 3176)	JOURNAL OF HIGH ENERGY PHYSICS <i>Measurement of the $W \rightarrow l\nu$ and $Z/\gamma^* \rightarrow ll$ production cross sections in proton-proton collisions at root $s=7$ TeV with the ATLAS detector</i>	2010
515.... Sisakyan, A (Aaltonen, T; Adelman, J; Alvarez Gonzalez, B; Amerio, S; Amidei, D; еще 572)	Physical review letters <i>Search for R-parity violating decays of sneutrinos to $\mu\mu$, $\mu\tau$, and $\tau\tau$ pairs in pp collisions at square root $s = 1.96$ TeV.</i>	2010

516....	Sisakyan, A. N. (Aad, G; Abbott, B; Abdallah, J; Abdelalim, AA; Abdesselam, A; еще 3167)	PHYSICAL REVIEW LETTERS <i>Search for New Particles in Two-Jet Final States in 7 TeV Proton-Proton Collisions with the ATLAS Detector at the LHC</i>	2010
517....	Sisakyan, A. (Aaltonen, T; Adelman, J; Gonzalez, BA; Amerio, S; Amidei, D; еще 578)	PHYSICAL REVIEW D <i>Search for anomalous production of events with two photons and additional energetic objects at CDF</i>	2010
518....	Sisakyan, A. (Aaltonen, T; Adelman, J; Alvarez Gonzalez, B; Amerio, S; Amidei, D; еще 571)	Physical review letters <i>Search for new physics with a dijet plus missing $E(T)$ signature in pp collisions at $s=1.96\text{TeV}$.</i>	2010
519....	Sisakyan, A. (Aaltonen, T; Adelman, J; Alvarez Gonzalez, B; Amerio, S; Amidei, D; еще 571)	Physical review letters <i>Exclusion of an exotic top quark with $-4/3$ electric charge using soft lepton tagging.</i>	2010
520....	Sisakyan, A. N. (Aad, G; Abat, E; Abbott, B; Abdallah, J; Abdelalim, AA; еще 3188)	JOURNAL OF HIGH ENERGY PHYSICS <i>Performance of the ATLAS detector using first collision data</i>	2010
521....	Sisakyan, A. (Aaltonen, T; Adelman, J; Gonzalez, BA; Amerio, S; Amidei, D; еще 572)	PHYSICAL REVIEW LETTERS <i>Exclusion of an Exotic Top Quark with $-4/3$ Electric Charge Using Soft Lepton Tagging</i>	2010
522....	Sisakyan, A. (Aaltonen, T; Adelman, J; Gonzalez, BA; Amerio, S; Amidei, D; еще 572)	PHYSICAL REVIEW D <i>Measurement of Z gamma production in $p(p)$over-bar collisions at root $s=1.96$ TeV</i>	2010
523....	Sisakyan, A. (Aaltonen, T; Adelman, J; Alvarez Gonzalez, B; Amerio, S; Amidei, D; еще 570)	Physical review letters <i>Search for the production of scalar bottom quarks in pp collisions at square root(s) = 1.96 TeV.</i>	2010
524....	Sisakyan, A. (Aaltonen, T; Adelman, J; Gonzalez, BA; Amerio, S; Amidei, D; еще 570)	PHYSICS LETTERS B <i>Search for new color-octet vector particle decaying to $t(t)$over-bar in $p(p)$over-bar collisions at root $s=1.96$ TeV</i>	2010
525....	Sisakyan, A. (Aaltonen, T; Adelman, J; Gonzalez, BA; Amerio, S; Amidei, D; еще 573)	PHYSICAL REVIEW D <i>Studying the underlying event in Drell-Yan and high transverse momentum jet production at the Tevatron</i>	2010
526....	Sisakyan, A. (Aaltonen, T; Adelman, J; Gonzalez, BA; Amerio, S; Amidei, D; еще 571)	PHYSICAL REVIEW LETTERS <i>Measurement of W-Boson Polarization in Top-Quark Decay in $p(p)$over-bar Collisions at root $s=1.96$ TeV</i>	2010
527....	Sisakyan, A. (Aaltonen, T; Abazov, VM; Abbott, B; Abolins, M; Acharya, BS; еще 1020)	PHYSICAL REVIEW D <i>Combined Tevatron upper limit on $gg \rightarrow H \rightarrow W+W-$ and constraints on the Higgs boson mass in fourth-generation fermion models</i>	2010
528....	Sisakyan, A. (Aaltonen, T; Adelman, J; Alvarez Gonzalez, B; Amerio, S; Amidei,	Physical review letters <i>Measurement of the ratio</i>	2010

- D; еще 570) *$\sigma_{tt}/\sigma_{Z/\gamma^{*}}(\sqrt{s})$ and precise extraction of the tt cross section.*
- 529.... Sisakian, A. N. (Abov, YG; Akhmedov, 529. EK; Balysh, AY; Bednyakov, VA; Blokhintsev, LD; еще 63) **PHYSICS OF ATOMIC NUCLEI** 2010
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- 530.... Sisakyan, A. (Aaltonen, T; Adelman, J; Alvarez Gonzalez, B; Amerio, S; Amidei, D; еще 363) **EUROPEAN PHYSICAL JOURNAL C** 2010
Study of multi-muon events produced in $p(p)$ over-bar interactions at $\sqrt{s}=1.96$ TeV
- 531.... Sisakyan, A. (Bethke, S; Aaltonen, T; Adelman, J; Alvarez Gonzalez, B; Amerio, S; еще 364) **EUROPEAN PHYSICAL JOURNAL C** 2010
Comments and Reply on: "Study of multi-muon events produced in $p(p)$ over-bar interactions at $\sqrt{s}=1.96$ TeV"; T. Aaltonen et al. (The CDF Collaboration)
- 532.... Sisakyan, A. (Aaltonen, T; Adelman, J; Gonzalez, BA; Amerio, S; Amidei, D; еще 569) **PHYSICAL REVIEW LETTERS** 2010
Measurement of the $W+W-$ Production Cross Section and Search for Anomalous WW γ and WWZ Couplings in $p(p)$ over-bar Collisions at $\sqrt{s} = 1.96$ TeV (vol 104, 201801, 2010)
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Some Special Features in the Filling of the Fermi Sphere with Quark Quasiparticles
- 534.... Sisakyan, A. (Aaltonen, T; Adelman, J; Gonzalez, BA; Amerio, S; Amidei, D; еще 570) **PHYSICAL REVIEW LETTERS** 2010
Measurement of the Ratio $\sigma(t(t)$ over-bar)/ $\sigma(Z/\gamma^{} \rightarrow \ell\ell)$ and Precise Extraction of the $t(t)$ over-bar Cross Section*
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Study of the dependence of direct soft photon production on the jet characteristics in hadronic $Z(0)$ decays
- 538.... Sisakyan, A (Aaltonen, T; Adelman, J; Alvarez Gonzalez, B; Amerio, S; Amidei, D; еще 571) **Physical review letters** 2010
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600)		<i>section in $p(\bar{p})$ collisions at root $s=1.96$ TeV using soft electron b-tagging</i>	
540....	Sisakyan, A. N. (Aad, G; Abat, E; Abbott, B; Abdallah, J; Abdelalim, AA; еще 3215)	PHYSICS LETTERS B <i>Charged-particle multiplicities in pp interactions at root $s=900$ GeV measured with the ATLAS detector at the LHC ATLAS Collaboration</i>	2010
541....	Sisakyan, A (Aaltonen, T; Adelman, J; Alvarez Gonzalez, B; Amerio, S; Amidei, D; еще 570)	Physical review letters <i>Search for the Higgs boson using neural networks in events with missing energy and b-quark jets in pp collisions at square root(s) = 1.96 TeV.</i>	2010
542....	Sisakyan, A (Aaltonen, T; Adelman, J; Akimoto, T; Alvarez Gonzalez, B; Amerio, S; еще 601)	Physical review letters <i>First measurement of the b-jet cross section in events with a W boson in pp collisions at square root(s) = 1.96 TeV.</i>	2010
543....	Sisakyan, A. (Aaltonen, T; Adelman, J; Gonzalez, BA; Amerio, S; Amidei, D; еще 571)	PHYSICAL REVIEW D <i>Search for single top quark production in $p(\bar{p})$-bar collisions at root $s=1.96$ TeV in the missing transverse energy plus jets topology</i>	2010
544....	Sisakyan, A. N. (Matveev, VA; Sisakyan, AN; Skrinsky, AN)	HERALD OF THE RUSSIAN ACADEMY OF SCIENCES <i>The large hadron collider is a new step towards understanding the depths of matter</i>	2010
545....	Sisakyan, A. N. (Sisakyan, AN; Sorin, AS)	HERALD OF THE RUSSIAN ACADEMY OF SCIENCES NICA: A step into the future	2010
546....	Sisakyan, A (Aaltonen, T; Adelman, J; Alvarez Gonzalez, B; Amerio, S; Amidei, D; еще 571)	Physical review letters <i>Search for technicolor particles produced in association with a W Boson at CDF.</i>	2010
547....	Sisakyan, A. (Aaltonen, T; Adelman, J; Gonzalez, BA; Amerio, S; Amidei, D; еще 572)	PHYSICAL REVIEW LETTERS <i>Measurement of the $\Lambda(0)(b)$ Lifetime in $\Lambda(0)(b) \rightarrow \Lambda(+)(c)\pi(-)$ Decays in $p(\bar{p})$-bar Collisions at root $s=1.96$ TeV</i>	2010
548....	Sisakyan, A (Aaltonen, T; Adelman, J; Alvarez Gonzalez, B; Amerio, S; Amidei, D; еще 570)	Physical review letters <i>Measurement of the $WW + WZ$ production cross section using the lepton + jets final state at CDF II.</i>	2010
549....	Sisakyan, A (Aaltonen, T; Adelman, J; Gonzalez, B Alvarez; Amerio, S; Amidei, D; еще 572)	Physical review letters <i>Search for new bottomlike quark pair decays $QQ \rightarrow tW(+)(-)(tW(+)(-))$ in same-charge dilepton events.</i>	2010
550....	Sisakian, A. (Abdallah, J; Abreu, P; Adam, W; Adzic, P; Albrecht, T; еще 339)	EUROPEAN PHYSICAL JOURNAL C <i>Measurements of CP-conserving trilinear gauge boson couplings WWV (V gamma, Z) in $e(+)\bar{e}(-)$ collisions at LEP2</i>	2010
551....	Sisakyan, A. (Aaltonen, T; Adelman, J; Gonzalez, BA; Amerio, S; Amidei, D; еще 571)	PHYSICAL REVIEW D <i>Measurement of the top quark mass and $p(\bar{p})$-bar $\rightarrow t(\bar{t})$-bar cross section in the all-hadronic mode with the CDF II detector</i>	2010

552....	Sisakyan, A. (Aaltonen, T; Adelman, J; Gonzalez, BA; Amerio, S; Amidei, D; еще 570)	PHYSICAL REVIEW D <i>Study of the associated production of photons and b-quark jets in p(p)over-bar collisions at root s=1.96 TeV</i>	2010
553....	Sisakyan, A. (Aaltonen, T; Adelman, J; Gonzalez, BA; Amerio, S; Amidei, D; еще 571)	PHYSICAL REVIEW LETTERS <i>Inclusive Search for Standard Model Higgs Boson Production in the WW Decay Channel Using the CDF II Detector</i>	2010
554....	Sisakyan, A (Aaltonen, T; Abazov, V M; Abbott, B; Abolins, M; Acharya, B S; еще 1037)	Physical review letters <i>Combination of Tevatron searches for the standard model Higgs boson in the W+W- decay mode.</i>	2010
555....	Sisakyan, A. (Aaltonen, T; Adelman, J; Gonzalez, BA; Amerio, S; Amidei, D; еще 578)	PHYSICAL REVIEW D <i>Measurement of the top quark mass in the dilepton channel using m(T2) at CDF</i>	2010
556....	Sisakyan, A. (Aaltonen, T; Adelman, J; Gonzalez, BA; Amerio, S; Amidei, D; еще 570)	PHYSICAL REVIEW D <i>Measurements of branching fraction ratios and CP asymmetries in B-+/- -> DCPK +/- decays in hadron collisions</i>	2010
557....	Sisakyan, A. (Aaltonen, T; Adelman, J; Akimoto, T; Gonzalez, BA; Amerio, S; еще 596)	PHYSICAL REVIEW D <i>Measurements of the top-quark mass using charged particle tracking</i>	2010
558....	Sisakyan, A (Aaltonen, T; Adelman, J; Alvarez Gonzalez, B; Amerio, S; Amidei, D; еще 578)	Physical review letters <i>Search for supersymmetry with gauge-mediated breaking in diphoton events with missing transverse energy at CDF II.</i>	2010
559....	Sisakyan, A. (Aaltonen, T.; Adelman, J.; Alvarez Gonzalez, B.; Amerio, S.; Amidei, D.; еще 14)	PHYSICS LETTERS B <i>Measurement of d sigma/dy of Drell-Yan e(+)e(-) pairs in the Z mass region from p(p)over-bar collisions at root s=1.96 TeV</i>	2010
560....	Sisakyan, A. (Aaltonen, T; Adelman, J; Gonzalez, BA; Amerio, S; Amidei, D; еще 578)	PHYSICAL REVIEW D <i>Measurement of the inclusive isolated prompt photon cross section in pp collisions at s=1.96 TeV using the CDF detector</i>	2009
561....	Sisakyan, A (Aaltonen, T; Adelman, J; Akimoto, T; Albrow, M G; Alvarez Gonzalez, B; еще 593)	Physical review letters <i>Search for the associated production of the standard-model Higgs Boson in the all-hadronic channel.</i>	2009
562....	Sisakyan, A (Aaltonen, T; Adelman, J; Akimoto, T; Alvarez Gonzalez, B; Amerio, S; еще 598)	Physical review letters <i>Search for Higgs bosons predicted in two-Higgs-doublet models via decays to tau lepton pairs in 1.96 TeV pp collisions.</i>	2009
563....	Sisakyan, A (Aaltonen, T; Adelman, J; Akimoto, T; Albrow, M G; Alvarez Gonzalez, B; еще 595)	Physical review letters <i>First observation of B(s)(0) --> D(s)(+/-)K(-/+)</i> and measurement of the ratio of branching fractions	2009

$B(B(s)0 \rightarrow D(s)(+/-)K(-/+)/B(B(s)0 \rightarrow D(s)(+)pi(-))$.

- 564.... Sisakyan, A. (Aaltonen, T; Adelman, J; Akimoto, T; Gonzalez, BA; Amerio, S; еще 598) **PHYSICAL REVIEW LETTERS** 2009
Precision Measurement of the $X(3872)$ Mass in J/ψ $pi(+)$ $pi(-)$ Decays
- 565.... Sisakian, A. (Abdallah, J; Abreu, P; Adam, W; Adzic, P; Albrecht, T; еще 335) **EUROPEAN PHYSICAL JOURNAL C** 2009
Correlations between polarisation states of W particles in the reaction $e(-)e(+)$ \rightarrow W - W + at LEP2 energies 189-209 GeV
- 566.... Sisakyan, A. (Aaltonen, T; Adelman, J; Akimoto, T; Gonzalez, BA; Amerio, S; еще 597) **PHYSICAL REVIEW D** 2009
Observation of the $\Omega(-)(b)$ baryon and measurement of the properties of the $\Xi(-)(b)$ and $\Omega(-)(b)$ baryons
- 567.... Sisakyan, A. (Aaltonen, T; Adelman, J; Akimoto, T; Gonzalez, BA; Amerio, S; еще 596) **PHYSICAL REVIEW D** 2009
Search for the Higgs boson produced in association with $Z \rightarrow l(+)l(-)$ using the matrix element method at CDF II
- 568.... Sisakyan, A. (Aaltonen, T; Adelman, J; Akimoto, T; Albrow, MG; Gonzalez, BA; еще 613) **PHYSICAL REVIEW D** 2009
Search for hadronic decays of W and Z bosons in photon events in $p(p)$ over-bar collisions at root $s = 1.96$ TeV (vol 80, 052011, 2009)
- 569.... Sisakyan, A (Aaltonen, T; Adelman, J; Akimoto, T; Alvarez Gonzalez, B; Amerio, S; еще 592) **Physical review letters** 2009
Search for a standard model Higgs boson in $WH \rightarrow l\nu b\bar{b}$ in pp collisions at square root $s = 1.96$ TeV.
- 570.... Sisakyan, A (Aaltonen, T; Adelman, J; Akimoto, T; Alvarez Gonzalez, B; Amerio, S; еще 592) **Physical review letters** 2009
Search for charged Higgs bosons in decays of top quarks in pp collisions at square root $s = 1.96$ TeV.
- 571.... Sisakyan, A. (Aaltonen, T; Adelman, J; Akimoto, T; Gonzalez, BA; Amerio, S; еще 600) **PHYSICAL REVIEW D** 2009
Measurement of the top quark mass using the invariant mass of lepton pairs in soft muon b -tagged events
- 572.... Sisakyan, A. (Aaltonen, T; Adelman, J; Akimoto, T; Albrow, MG; Gonzalez, BA; еще 613) **PHYSICAL REVIEW D** 2009
Search for hadronic decays of W and Z bosons in photon events in $p(p)$ over-bar collisions at root $s=1.96$ TeV
- 573.... Sisakyan, A. (Aaltonen, T; Adelman, J; Akimoto, T; Gonzalez, BA; Amerio, S; еще 596) **PHYSICAL REVIEW D** 2009
Search for the neutral current top quark decay $t \rightarrow Zc$ using the ratio of Z -boson+4 jets to W -boson+4 jets production
- 574.... Sisakyan, A. (Aaltonen, T; Adelman, J; Akimoto, T; Gonzalez, BA; Amerio, S; еще 594) **PHYSICAL REVIEW D** 2009
Search for anomalous production of events with a photon, jet, b -quark jet, and missing transverse energy
- 575.... Sisakyan, A. (Aaltonen, T; Adelman, **PHYSICAL REVIEW LETTERS** 2009

- J; Akimoto, T; Gonzalez, BA; Amerio, S; еще *First Observation of Vector Boson Pairs in a Hadronic Final State at the Tevatron Collider* 597)
- 576.... Sisakyan, A. (Aaltonen, T; Adelman, J; Akimoto, T; Gonzalez, BA; Amerio, S; еще 597) **PHYSICAL REVIEW LETTERS** 2009
Observation of Electroweak Single Top-Quark Production
- 577.... Sisakyan, A (Aaltonen, T; Adelman, J; Akimoto, T; Alvarez Gonzalez, B; Amerio, S; еще 597) **Physical review letters** 2009
First observation of vector boson pairs in a hadronic final state at the tevatron collider.
- 578.... Sisakyan, A (Aaltonen, T; Adelman, J; Akimoto, T; Alvarez Gonzalez, B; Amerio, S; еще 594) **Physical review letters** 2009
Search for a fermiophobic Higgs boson decaying into diphotons in pp collisions at $\sqrt{s} = 1.96$ TeV.
- 579.... Sisakian, A. (Abdallah, J; Abreu, P; Adam, W; Adzic, P; Albrecht, T; еще 334) **PHYSICS LETTERS B** 2009
Inclusive single-particle production in two-photon collisions at LEP II with the DELPHI detector
- 580.... Sisakyan, A. (Aaltonen, T; Adelman, J; Akimoto, T; Gonzalez, BA; Amerio, S; еще 597) **PHYSICAL REVIEW D** 2009
Production of $\psi(2S)$ mesons in $p(\bar{p})$ collisions at 1.96 TeV
- 581.... Sisakyan, A. N. (Matveev, VA; Sisakyan, AN) **HERALD OF THE RUSSIAN ACADEMY OF SCIENCES** 2009
Teacher and Master On the Centenary of the Birth of Academician N. N. Bogolyubov
- 582.... Sisakyan, A (Aaltonen, T; Adelman, J; Akimoto, T; Alvarez Gonzalez, B; Amerio, S; еще 597) **Physical review letters** 2009
Search for the production of narrow tb resonances in 1.9 fb^{-1} of pp collisions at $\sqrt{s} = 1.96$ TeV.
- 583.... Sisakyan, A (Aaltonen, T; Adelman, J; Akimoto, T; Alvarez Gonzalez, B; Amerio, S; еще 593) **Physical review letters** 2009
Observation of new charmless decays of bottom hadrons.
- 584.... Sisakyan, A (Aaltonen, T; Adelman, J; Akimoto, T; Alvarez Gonzalez, B; Amerio, S; еще 594) **Physical review letters** 2009
Search for long-lived massive charged particles in 1.96 TeV pp collisions.
- 585.... Sisakyan, A. (Aaltonen, T; Adelman, J; Akimoto, T; Gonzalez, BA; Amerio, S; еще 594) **EUROPEAN PHYSICAL JOURNAL C** 2009
Search for narrow resonances lighter than (sic) mesons
- 586.... Sisakyan, A. (Aaltonen, T; Adelman, J; Akimoto, T; Gonzalez, BA; Amerio, S; еще 596) **PHYSICAL REVIEW D** 2009
Search for standard model Higgs boson production in association with a W boson using a neural network discriminant at CDF
- 587.... Sisakyan, A. (Aaltonen, T; Adelman, J; Akimoto, T; Gonzalez, BA; Amerio, S; еще 596) **PHYSICAL REVIEW D** 2009
Searching the inclusive l γ E - T + b -quark signature for radiative top quark decay and non-standard-model processes
- 588.... Sisakyan, A (Aaltonen, T; Adelman,

J; Akimoto, T; Albrow, M G; Alvarez Gonzalez, B; еще 596)	<i>Observation of exclusive charmonium production and gammagamma --> micro;{+}micro;{-} in pp[over] collisions at sqrt[s] = 1.96 TeV.</i>	
589.... Sisakyan, A (Aaltonen, T; Adelman, J; Akimoto, T; Alvarez Gonzalez, B; Amerio, S; еще 594)	Physical review letters <i>Evidence for a narrow near-threshold structure in the J/psivarphi mass spectrum in B;{+} --> J/psivarphiK;{+} decays.</i>	2009
590.... Sisakyan, A (Aaltonen, T; Adelman, J; Akimoto, T; Alvarez Gonzalez, B; Amerio, S; еще 592)	Physical review letters <i>Measurement of the k(T) distribution of particles in jets produced in pp collisions at sqrt(s)=1.96 TeV.</i>	2009
591.... Sisakyan, A (Aaltonen, T; Adelman, J; Akimoto, T; Alvarez Gonzalez, B; Amerio, S; еще 595)	Physical review letters <i>Search for Gluino-Mediated Bottom Squark Production in pp[over] Collisions at sqrt[s]=1.96 TeV.</i>	2009
592.... Sisakyan, A (Aaltonen, T; Adelman, J; Akimoto, T; Albrow, M G; Alvarez Gonzalez, B; еще 598)	Physical review letters <i>Search for exclusive Z-boson production and observation of high-mass pp[over] -->pgammagamma[over] -->pl;{+};{-}p[over] events in pp[over] collisions at sqrt[s]=1.96 TeV.</i>	2009
593.... Sisakyan, A (Aaltonen, T; Adelman, J; Akimoto, T; Alvarez Gonzalez, B; Amerio, S; еще 594)	Physical review letters <i>First measurement of the tt[over] differential cross section dsigma/dM_{tt[over]} in pp[over] collisions at sqrt[s]=1.96 TeV.</i>	2009
594.... Sisakyan, A. (Aaltonen, T; Adelman, J; Akimoto, T; Gonzalez, BA; Amerio, S; еще 593)	PHYSICAL REVIEW D <i>Search for new particles decaying into dijets in proton-antiproton collisions at root s=1.96 TeV</i>	2009
595.... Sisakyan, A. (Aaltonen, T; Adelman, J; Akimoto, T; Gonzalez, BA; Amerio, S; еще 595)	PHYSICAL REVIEW D <i>Measurement of particle production and inclusive differential cross sections in p(p)over-bar collisions at root s=1.96 TeV</i>	2009
596.... Sisakyan, A. (Aaltonen, T; Adelman, J; Akimoto, T; Gonzalez, BA; Amerio, S; еще 596)	PHYSICAL REVIEW D <i>Measurement of the t(t)over-bar cross section in p(p)over-bar collisions at root s=1.96 TeV using dilepton events with a lepton plus track selection</i>	2009
597.... Sisakyan, A. (Aaltonen, T; Adelman, J; Akimoto, T; Gonzalez, BA; Amerio, S; еще 594)	PHYSICAL REVIEW D <i>Search for WW and WZ production in lepton plus jets final state at CDF</i>	2009
598.... Sisakyan, A. (Aaltonen, T; Adelman, J; Akimoto, T; Albrow, MG; Gonzalez, BA; еще 592)	PHYSICAL REVIEW D <i>Measurement of the inclusive jet cross section at the Fermilab Tevatron p(p)over-bar collider using a cone-based jet algorithm (vol 78, 052006, 2008)</i>	2009
599.... Sisakyan, A. (Abulencia, A; Adelman, J; Affolder, T; Akimoto, T; Albrow, MG; еще 619)	PHYSICAL REVIEW D <i>Measurement of the ratio of branching fractions B(B-+/- -> J/psi pi(+/-))/B(B-+/- -> J/psi K-+/-)</i>	2009

- 600.... Sisakyan, A (Aaltonen, T; Adelman, J; Akimoto, T; Alvarez Gonzalez, B; Amerio, S; еще 594) **Physical review letters** 2009
Search for the decays $B_{(s)}^{(0)} \rightarrow e^{(+)} \mu^{(-)}$ and $B_{(s)}^{(0)} \rightarrow e^{(+)} e^{(-)}$ in CDF run II.
- 601.... Sisakyan, A (Aaltonen, T; Adelman, J; Akimoto, T; Alvarez Gonzalez, B; Amerio, S; еще 593) **Physical review letters** 2009
Direct measurement of the W production charge asymmetry in pp collisions at square root s=1.96 TeV.
- 602.... Sisakyan, A. (Aaltonen, T; Adelman, J; Akimoto, T; Gonzalez, BA; Amerio, S; еще 595) **PHYSICAL REVIEW D** 2009
Measurement of the b-hadron production cross section using decays to $\mu^{(-)} X^0$ final states in $p(\bar{p})$ collisions at root s=1.96 TeV
- 603.... Sisakyan, A. (Aaltonen, T; Adelman, J; Akimoto, T; Gonzalez, BA; Amerio, S; еще 596) **PHYSICS LETTERS B** 2009
Measurement of W-boson helicity fractions in top-quark decays using cos theta
- 604.... Sisakyan, A (Aaltonen, T; Adelman, J; Akimoto, T; Alvarez Gonzalez, B; Amerio, S; еще 594) **Physical review letters** 2009
Search for top-quark production via flavor-changing neutral currents in W+1 jet events at CDF.
- 605.... Sisakyan, A (Aaltonen, T; Adelman, J; Akimoto, T; Albrow, M G; Alvarez Gonzalez, B; еще 594) **Physical review letters** 2009
Measurement of the top-quark mass with dilepton events selected using neuroevolution at CDF.
- 606.... Sisakyan, A. (Aaltonen, T; Adelman, J; Akimoto, T; Gonzalez, BA; Amerio, S; еще 594) **PHYSICAL REVIEW D** 2009
Top quark mass measurement in the lepton plus jets channel using a modified matrix element method
- 607.... Sisakyan, A. (Aaltonen, T; Adelman, J; Akimoto, T; Gonzalez, BA; Amerio, S; еще 591) **PHYSICAL REVIEW D** 2009
Top quark mass measurement in the $t(\bar{t})$ all hadronic channel using a matrix element technique in $p(\bar{p})$ collisions at root s=1.96 TeV
- 608.... Sisakyan, A. (Aaltonen, T; Adelman, J; Akimoto, T; Gonzalez, BA; Amerio, S; еще 594) **PHYSICAL REVIEW D** 2009
Measurement of the top quark mass at CDF using the "neutrino phi weighting" template method on a lepton plus isolated track sample
- 609.... Sisakyan, A (Aaltonen, T; Adelman, J; Akimoto, T; Albrow, M G; Gonzalez, B Alvarez; еще 594) **Physical review letters** 2009
Inclusive search for squark and gluino production in $pp[\bar{p}]$ collisions at $\sqrt{s}=1.96$ TeV.
- 610.... Sisakyan, A (Aaltonen, T; Adelman, J; Akimoto, T; Albrow, M G; Gonzalez, B Alvarez; еще 593) **Physical review letters** 2009
Measurement of resonance parameters of orbitally excited narrow B_0 mesons.
- 611.... Sisakyan, A. (Aaltonen, T; Adelman, J; Akimoto, T; Gonzalez, BA; Amerio, S; еще 593) **PHYSICAL REVIEW LETTERS** 2009
Search for High-Mass Resonances Decaying to Dimuons at CDF
- 612.... Sisakian, A. (Abdallah, J; Abreu, P; Adam, W; Adzic, P; Albrecht, T; еще 335) **EUROPEAN PHYSICAL JOURNAL C** 2009
Search for one large extra dimension with the DELPHI detector at LEP

- 613.... Sisakian, A. (Abdallah, J; Abreu, P; Adam, W; Adzic, P; Albrecht, T; еще 335) **EUROPEAN PHYSICAL JOURNAL C** 2009
A study of $b(\bar{b})$ production in $e^{+}e^{-}$ collisions at $\sqrt{s}=130-207$ GeV
- 614.... Sisakyan, A. (Aaltonen, T; Adelman, J; Akimoto, T; Albrow, MG; Gonzalez, BA; еще 595) **PHYSICAL REVIEW D** 2009
Search for new physics in the $\mu\mu+e/\mu+is$ not an element of T channel with a low- p_T lepton threshold at the Collider Detector at Fermilab
- 615.... Sisakyan, A. (Aaltonen, T; Adelman, J; Akimoto, T; Gonzalez, BA; Amerio, S; еще 595) **PHYSICAL REVIEW D** 2009
Measurement of the $t(\bar{t})$ production cross section in 2 fb^{-1} of $p(\bar{p})$ collisions at $\sqrt{s} = 1.96$ TeV using lepton plus jets events with soft muon b tagging
- 616.... Sisakyan, A. (Aaltonen, T; Adelman, J; Akimoto, T; Gonzalez, BA; Amerio, S; еще 594) **PHYSICAL REVIEW D** 2009
Measurement of cross sections for b jet production in events with a Z boson in $p(\bar{p})$ collisions at $\sqrt{s}=1.96$ TeV
- 617.... Sisakyan, A. (Aaltonen, T; Adelman, J; Akimoto, T; Albrow, MG; Gonzalez, BA; еще 595) **PHYSICAL REVIEW LETTERS** 2009
Search for High-Mass $e^{+}e^{-}$ Resonances in $p(\bar{p})$ Collisions at $\sqrt{s} = 1.96$ TeV (vol 102, art no 031801, 2009)
- 618.... Sisakyan, A. (Aaltonen, T; Adelman, J; Akimoto, T; Albrow, MG; Gonzalez, BA; еще 593) **PHYSICAL REVIEW D** 2009
Measurement of the fraction of $t(\bar{t})$ production via gluon-gluon fusion in $p(\bar{p})$ collisions at $\sqrt{s}=1.96$ TeV
- 619.... Sisakyan, A. (Aaltonen, T; Adelman, J; Akimoto, T; Albrow, MG; Gonzalez, BA; еще 596) **PHYSICAL REVIEW D** 2009
First measurement of the ratio of branching fractions $B(\Lambda(0)(b) \rightarrow \Lambda^{+}(c) \mu^{-}(\bar{\nu})_{\mu})/B(\Lambda(0)(b) \rightarrow \Lambda^{+}(c) \pi^{-})$
- 620.... Sisakyan, A (Aaltonen, T; Adelman, J; Akimoto, T; Albrow, M G; Alvarez Gonzalez, B; еще 615) **Physical review letters** 2009
Search for maximal flavor violating scalars in same-charge lepton pairs in pp collisions at $\sqrt{s}=1.96$ TeV.
- 621.... Sisakyan, A (Aaltonen, T; Adelman, J; Akimoto, T; Albrow, M G; Alvarez Gonzalez, B; еще 593) **Physical review letters** 2009
Direct bound on the total decay width of the top quark in pp collisions at $\sqrt{s}=1.96$ TeV.
- 622.... Sisakyan, A (Aaltonen, T; Adelman, J; Akimoto, T; Albrow, M G; Alvarez Gonzalez, B; еще 594) **Physical review letters** 2009
Search for high-mass $e+e-$ resonances in pp collisions at $\sqrt{s}=1.96$ TeV.
- 623.... Sisakyan, A. (Aaltonen, T; Adelman, J; Akimoto, T; Albrow, MG; Gonzalez, BA; еще 594) **PHYSICAL REVIEW LETTERS** 2009
Search for a Higgs Boson Decaying to Two W Bosons at CDF
- 624.... Sisakyan, A. (Aaltonen, T; Adelman, J; Akimoto, T; Albrow, MG; Gonzalez, BA; еще 594) **PHYSICAL REVIEW D** 2009
Global search for new physics with 2.0 fb^{-1} at CDF

BA; еще 576)

- 625.... Sisakyan, A. (Aaltonen, T; Adelman, J; Akimoto, T; Albrow, MG; Alvarez Gonzalez, B; еще 594) **PHYSICAL REVIEW D** 2009
*Search for the rare decays $B^+ \rightarrow \mu^+ \mu^- K^{*0}$, $B^0 \rightarrow \mu^+ \mu^- K^{*0}$, and $B^0 \rightarrow \mu^+ \mu^- \phi$ at CDF*
- 626.... Sisakyan, A. (Aaltonen, T.; Adelman, J.; Akimoto, T.; Albrow, M.G.; Gonzalez, B.A.; еще 15) **Physical Review D** 2009
First simultaneous measurement of the top quark mass in the lepton+jets and dilepton channels at CDF
- 627.... Sisakyan, A. (Aaltonen, T.; Adelman, J.; Akimoto, T.; Albrow, M.G.; Alvarez Gonzalez, B.; еще 14) **Physical Review Letters** 2009
Search for exclusive z-boson production and observation of high-mass $pp \rightarrow \gamma \gamma \rightarrow l^+ l^-$ events in pp collisions at $\sqrt{s}=1.96$ TeV
- 628.... Sisakyan, A. (Aaltonen, T; Adelman, J; Akimoto, T; Albrow, MG; Alvarez Gonzalez, B; еще 593) **PHYSICAL REVIEW LETTERS** 2008
Search for the Higgs Boson Produced in Association with $Z \rightarrow l^+ l^-$ in $p(\bar{p})$ Collisions at $\sqrt{s}=1.96$ TeV
- 629.... Sisakyan, A (Aaltonen, T; Adelman, J; Akimoto, T; Albrow, M G; Alvarez Gonzalez, B; еще 596) **Physical review letters** 2008
Search for supersymmetry in pp collisions at $\sqrt{s}=1.96$ TeV Using the trilepton signature for chargino-neutralino production.
- 630.... Sisakyan, A (Aaltonen, T; Adelman, J; Akimoto, T; Albrow, M G; Alvarez Gonzalez, B; еще 597) **Physical review letters** 2008
Measurement of the single-top-quark production cross section at CDF.
- 631.... Sisakian, A. (Abdallah, J; Abreu, P; Adam, W; Adzic, P; Albrecht, T; еще 335) **EUROPEAN PHYSICAL JOURNAL C** 2008
Di-jet production in $\gamma \gamma$ collisions at LEP2
- 632.... Sisakyan, A. (Aaltonen, T; Adelman, J; Akimoto, T; Albrow, MG; Gonzalez, BA; еще 612) **PHYSICAL REVIEW D** 2008
First measurement of the fraction of top-quark pair production through gluon-gluon fusion
- 633.... Sisakyan, A (Aaltonen, T; Adelman, J; Akimoto, T; Albrow, M G; Gonzalez, B Alvarez; еще 594) **Physical review letters** 2008
Forward-backward asymmetry in top-quark production in $pp[\bar{p}]$ collisions at $\sqrt{s}=1.96$ TeV.
- 634.... Sisakyan, A. (Aaltonen, T; Adelman, J; Akimoto, T; Albrow, MG; Alvarez Gonzalez, B; еще 594) **PHYSICAL REVIEW LETTERS** 2008
Search for the Flavor-Changing Neutral-Current Decay $t \rightarrow Z q$ in pp Collisions at $s=1.96$ TeV
- 635.... Sisakyan, A. (Aaltonen, T; Adelman, J; Akimoto, T; Albrow, MG; Gonzalez, BA; еще 595) **PHYSICAL REVIEW LETTERS** 2008
Search for Large Extra Dimensions in Final States Containing One Photon or Jet and Large Missing Transverse Energy Produced in pp Collisions at $s=1.96$ TeV
- 636.... Sisakian, A. (Abdallah, J; Abreu, P; Adam, **EUROPEAN PHYSICAL JOURNAL C** 2008

W; Adzic, P; Albrecht, T; еще 336)	<i>Observation of the muon inner bremsstrahlung at LEP1</i>	
637.... Sisakyan, A. (Aaltonen, T; Adelman, J; Akimoto, T; Albrow, MG; Gonzalez, BA; еще 592)	PHYSICAL REVIEW D <i>Measurement of b-jet shapes in inclusive jet production in $p\bar{p}$ collisions at $\sqrt{s}=1.96$ TeV</i>	2008
638.... Sisakyan, A (Aaltonen, T; Adelman, J; Akimoto, T; Albrow, M G; Alvarez Gonzalez, B; еще 612)	Physical review letters <i>Search for doubly charged Higgs bosons with lepton-flavor-violating decays involving tau leptons.</i>	2008
639.... Sisakyan, A. (Aaltonen, T; Adelman, J; Akimoto, T; Albrow, MG; Gonzalez, BA; еще 592)	PHYSICAL REVIEW D <i>Measurement of the inclusive jet cross section at the Fermilab Tevatron $p(p)\bar{p}$ collider using a cone-based jet algorithm</i>	2008
640.... Sisakyan, A. (Aaltonen, T; Adelman, J; Akimoto, T; Albrow, MG; Gonzalez, BA; еще 613)	PHYSICAL REVIEW LETTERS <i>Search for pair production of scalar top quarks decaying to a tau lepton and a b quark in $p(p)\bar{p}$ collisions at root $s = 1.96$ TeV (vol 101, art no 071802, 2008)</i>	2008
641.... Sisakyan, A. (Aaltonen, T; Adelman, J; Akimoto, T; Albrow, MG; Gonzalez, BA; еще 614)	PHYSICAL REVIEW LETTERS <i>Search for pair production of scalar top quarks decaying to a tau lepton and a b quark in $p(p)\bar{p}$ collisions at root $s=1.96$ TeV</i>	2008
642.... Sisakyan, A. N. (Aad, G; Abat, E; Abdallah, J; Abdelalim, AA; Abdesselam, A; еще 2922)	JOURNAL OF INSTRUMENTATION <i>The ATLAS Experiment at the CERN Large Hadron Collider</i>	2008
643.... Sisakyan, A. (Aaltonen, T; Adelman, J; Akimoto, T; Albrow, MG; Gonzalez, BA; еще 592)	PHYSICAL REVIEW D <i>Search for standard model Higgs boson production in association with a W boson at CDF</i>	2008
644.... Sisakyan, A. (Aaltonen, T; Adelman, J; Akimoto, T; Albrow, MG; Gonzalez, BA; еще 595)	PHYSICAL REVIEW D <i>Search for heavy, long-lived neutralinos that decay to photons at CDF II using photon timing</i>	2008
645.... Sisakian, A. (Abdallah, J; Abreu, P; Adam, W; Adzic, P; Albrecht, T; еще 340)	EUROPEAN PHYSICAL JOURNAL C <i>Higgs boson searches in CP-conserving and CP-violating MSSM scenarios with the DELPHI detector (vol 54, pg 1, 2008)</i>	2008
646.... Sisakyan, A. (Aaltonen, T; Abulencia, A; Adelman, J; Akimoto, T; Albrow, MG; еще 588)	PHYSICAL REVIEW D <i>Model-independent and quasi-model-independent search for new physics at CDF</i>	2008
647.... Sisakyan, A. (Abulencia, A; Adelman, J; Affolder, T; Akimoto, T; Albrow, MG; еще 620)	PHYSICAL REVIEW D <i>Cross section measurements of high-$p(T)$ dilepton final-state processes using a global fitting method</i>	2008
648.... Sisakyan, A. (Aaltonen, T; Adelman, J; Akimoto, T; Albrow, MG; Gonzalez, BA; еще 613)	PHYSICAL REVIEW D <i>Search for new heavy particles decaying to $Z(0)Z(0) \rightarrow eeee$ in $p(p)\bar{p}$ collisions at root $s=1.96$ TeV</i>	2008

- 649.... Sisakyan, A (Aaltonen, T; Abulencia, A; Adelman, J; Akimoto, T; Albrow, M G; еще 608) **Physical review letters** 2008
Search for resonant $t\bar{t}$ production in pp collisions at $\sqrt{s}=1.96$ TeV.
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