

Lisa Fest – Thank you so much!

Thank you very much

for many years of great research and wonderful supervision



- 1979 MSc at Moscow State University
- 1985 PhD at Moscow State University
- 1983-87 junior researcher, Moscow State University
- 1987-98 researcher, Moscow State University
- 2000 guest scientist at Fermilab
- 1998-01 senior researcher, Moscow State University
- 2001-03 Visiting Research Assi.Prof, Univ.of Illinois, Chicago
- 2003-07 Research Assi.Prof. Univ.of Illinois, Chicago
- 2007-08 Research Asso.Prof., Univ.of Illinois, Chicago
- 2008-24 senior scientist at Georg-August-Uni Göttingen

At Fermilab

at Fermilab

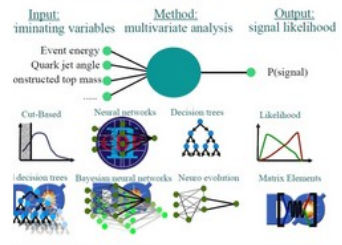
Observation of single-top production by Paul Grannis

Dear Lisa,

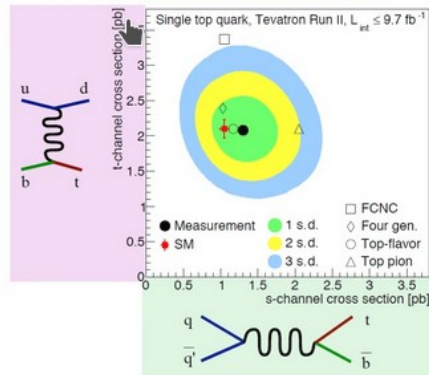
Congratulations on a wonderful career!

One of the greatest achievements by the D0 collaboration was the search and ultimate observation of single top production via the EW interaction. In Run I when a few hardy souls outlined plans to find single tops we thought it was a forlorn hope as the backgrounds were so large and the cross section so low. In time, with multiple multivariate techniques brought to bear, there was first evidence, then observation of the t-channel process and ultimately the digging out the discovery of s-channel production. Although CDF ultimately caught up, D0 led the way. I recall labelling this achievement as 'tour de force', which seemed then and now an enormous understatement! The dedication of you and the whole single top group and the careful step-by-step march to the discovery created a milestone of the Tevatron era.

Multivariate Analysis Methods



t-channel vs s-channel



I used to marvel whenever you arrived at Fermilab from Moscow, each time with a new exciting hair color - purple, green, orange, pink ... It was brilliant and lit up our lives in the D0 building!

Here's to a colorful and rewarding retirement!

with very best regards,

Paul Grannis



At Fermilab

Dear Lisa,

As the saying goes, "it seems like only yesterday" that the Ermelov Group from Moscow State University joined the DZero experiment. I would like to note the many positive ways in which you contributed to the experiment. It is perhaps a clear signal that your continuing work has involved DZero's singular subject the top quark.

Beyond Moscow State, I note that you were part of the team at University of Illinois-Chicago which contributed much to the observation of the electroweak single top production process. Of course this analysis is also given credit as a precursor for subsequent searches for the associated production of the Higgs boson. But I also see that the top quark has continued to figure prominently in the work you have done on the ATLAS experiment.

I would like to congratulate you on your distinguished career and to wish you all the best for an enjoyable retirement.

Sincerely,

Mont



Dear Lisa,

I did not think I would see this day come! From the early days of DØ, when you were the de-facto spokesperson for our Russian colleagues, to when you kick-started my career as a freshly hired UIC faculty by accepting my offer to join my group as a research associate, you have been a tireless collaborator who also knows how to have fun! We worked together on instrumentation, operations, b-tagging, and top physics, on two collaborations. It was clearly the pre-smartphone era, as I could find very few pictures that go with my many memories. I hope this one, from the moment we submitted the single top observation paper to PRL, also brings back memories of good times to you.

All the best in this new stage of your life!

Cecilia Gerber



At CERN/ATLAS



There was magic in the air behind these doors...



...and sometimes the motivating smell of ham.

week three



Dear Lisa,
**congratulations on your retirement, and
thanks for the many years of work in service
of the top quark!**
**You have been great to work with, when you
were top convener back in the Dzero days, or
when you were top convener on ATLAS!**
**I am a better physicist thanks to your
influence over many years:-)**
Reinhard Schwienhorst

**(Photos from Feb 2018 in Geneva and
Dec 2017 single top workshop in Berlin)**

At CERN/ATLAS

week one

Dear Lisa,

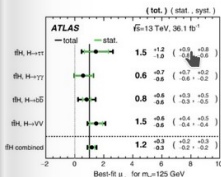
It has been a great pleasure working with you in the past almost 10 years in the HTop group of the ATLAS experiment. Starting as a young postdoc in the first ttH(bb) team that you led, until co-coordinating the HTop group with you, I learned a lot from you and enjoyed our common meetings. You certainly had a key role in all these times in search for, and observation of the ttH production, as well as consequent more precise measurements of its properties, reflected though so many important roles you had in the group. It was not uncommon to postpone important discussions if Lisa could not be present.

Moreover, you have been an example of an excellent scientist, successful leader, an open colleague who is ready to teach and help younger generations, but also someone who takes care of social aspects and enjoys life. It was nice to bump into you on skies in the Alpine slopes and to be present at the conference and workshops dinner.

I wish you continue with the same energy any project you planned for the coming period!

Best Regards,
Jelena

Lorem ipsum dolor sit amet



My dear Lisa,
congratulations on your well-deserved retirement!
I couldn't believe it when I heard about it.
Definitely, many people in the particle physics community and ATLAS experiment will miss you.
It has been a privilege to work with you and I have learnt a lot from you, both professionally and personally. I wish you all the best in the new adventure. I am sure you will enjoy it :-)
Please come to Valencia or other place in Spain; it would be great to see you soon.
A big hug, Maria

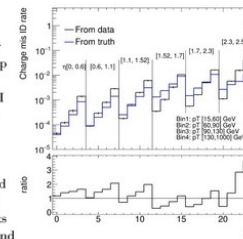


Dear Lisa,

Starting my PhD during lockdown was challenging, but thanks to your constant support, I was able to jump right in to my QT. Your encouragement kept my spirits up. I really enjoyed our time working on the QmisID measurement for the four-tops analysis while I was at CERN and even when I was in Göttingen, our regular meetings and your supportive words were exactly what I needed to keep going. Thanks a lot for all the guidance, support and encouragement over the past four years.

-Sreelakshmi

Here is a picture of the four-tops observation analysis team members at the ATLAS Top workshop in NIKHEF celebration the paper!



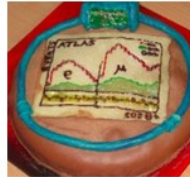
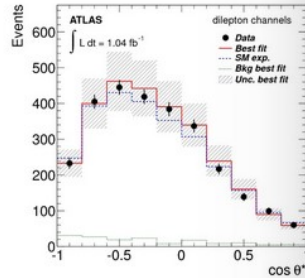
At CERN/ATLAS

W-helicity (and many more!)

Dear Lisa, thank you for 15 years of supervision! From our first Moriond CONF note with 35 pb-1 which cost us many sleepless nights up to the completion of my PhD and beyond, your support was invaluable. But lets not forget the many top group dinners, PhD defenses, workshops, conferences etc, from which I added a few impressions!

Hope to see you soon again at CERN,

Andrea



Sometimes the Champagne came in glasses, sometimes in plastic cups!



publications

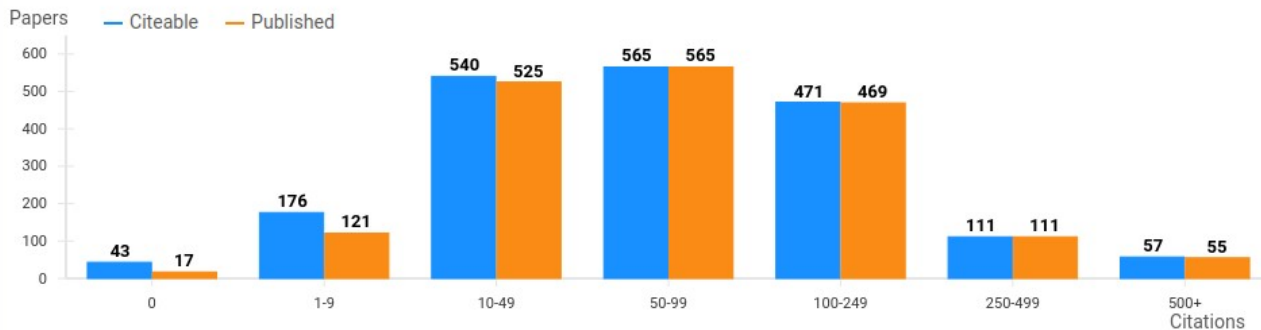
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Citation Summary Most Recent

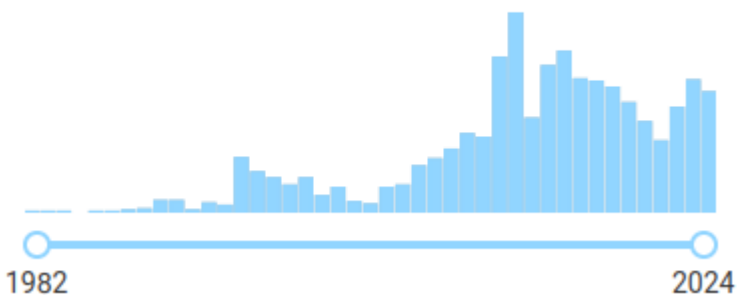
Citation Summary

Exclude self-citations

	Citeable	Published
Papers	1,963	1,863
Citations	245,638	241,457
h-index	215	214
Citations/paper (avg)	125.1	129.6



Date of paper



employment

2008-11-20 2026-06-30
ATLAS member since 2008-11-20.



Elizaveta Shabalina
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Signing-Only Author

Basic Info **Employments** Qualification Analysis Appointments Talks Theses OTP SCAB Grants

Elizaveta has 1 employment record:

Physicist @ Georg-August-Universität Goettingen, II. Physikalisches Institut ACTIVE

2008-11-20 2026-06-30

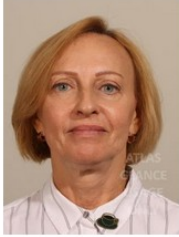
Start Date	2008-11-20	Affiliation	Institute and Head institute	On Leave Dates	-
End Date	2026-06-30	Comments	-		
Profession	Physicist	Exceptional atlas-current-physicists egroup			
Institute	Georg-August-Universität Goettingen, II. Physikalisches Institut	Start Date	2024-06-28		
Funding Agency	Germany BMBF	End Date	2026-06-30		
Email	elizaveta.shabalina@cern.ch				

actions:

- create new employment

last modification by QUADT, Arnulf on June 23rd, 2021 (16:10:58).

ATLAS member since 2008-11-20.



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- Basic Info
- Employments
- Qualification
- Analysis
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- Talks
- Theses
- OTP
- SCAB
- Grants

Papers

search... 10 results per page

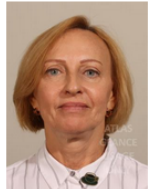
showing 1 to 10 of 38 entries FIRST PREVIOUS 1/4 NEXT LAST

Contributions

Ref Code	Title	Contributions
TOPQ-2021-26 2024-08-15	XS ttbar+charm, >= 1 lepton Analysis Team - Member Inclusive cross-section measurements of top-quark pair production in association with charm quarks in 13 TeV proton-proton collision data with the ATLAS experiment	<ul style="list-style-type: none">INT note Advisory role, supervision of M. K. Kingston and M. B. Habbaba
HIGG-2020-24 2024-06-19	HTop ttH to bb 2015-2018 lep (legacy) Analysis Team - Contact Editor Measurement of the associated production of a top-antitop-quark pair and Higgs boson with Higgs decaying into a bb pair using the ATLAS detector at the LHC	<ul style="list-style-type: none">Supporting note Supervisor of Chris Scheulen, guidance in meetings
EXOT-2022-13 2024-01-11	HQT - ttH/A->4-top 1l/2lOS Editorial Board - Member Search for top-quark-associated production of heavy scalar or pseudoscalar in pp collisions at 13 TeV	
TOPQ-2018-24 2023-12-01	PR 13 TeV ttbar+gamma full Run2 Analysis Team - Contact Editor Measurements of inclusive and differential cross-sections of tt+gamma production at 13 TeV with the ATLAS detector	<ul style="list-style-type: none">INT note Supervision of students, paper editorPaper draft General advisory, supervision of students, paper editor
TOPQ-2020-20 2023-06-20	TX Refined tTbar+Z differential Analysis Team - Member Measurement of ttZ inclusive and differential cross sections and EFT interpretation with full Run 2 dataset	<ul style="list-style-type: none">INT note Supervisor
TOPQ-2021-08 2023-03-01	Observation of four-top-quark production in multi-lepton final states Analysis Team - Contact Editor Observation of four-top-quark production in the multilepton final state with the ATLAS detector	<ul style="list-style-type: none">INT supervisor
TOPQ-2019-30 2023-02-27	PR ttW production total and differential Analysis Team - Member Measurement of the total and differential cross-sections of ttW production in pp collisions at 13 TeV with the ATLAS detector	<ul style="list-style-type: none">INT Supervision, physics discussions
TOPQ-2018-28 2022-08-01	PR W helicity Run 2 Analysis Team - Member Measurement of the polarisation of W bosons produced in top-quark decays using dilepton events at sqrt(s)=13 TeV with the ATLAS experiment	<ul style="list-style-type: none">INT note Analysis supervision
TOPQ-2021-29 2022-06-15	ttgamma charge asymmetry Analysis Team - Member Measurement of the charge asymmetry in top-quark pair production in association with a photon with the ATLAS experiment	<ul style="list-style-type: none">INT note General advisory, supervision of students.
HIGG-2020-03	HTop ttH to bb CP 2015-2018 Analysis Team - Member	<ul style="list-style-type: none">Supporting note HTop Convener

convenorships

D0 top physics convenor in 2006 ...



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Elizaveta has 5 assigned appointment records:

Convenor of subgroup: HTop (HSG8)



Convenor Top WG



Convenor of subgroup: HTop (HSG8)



DP - Data Quality Convenor



Speakers Committee member



In case of any inconsistencies, please contact [Martine Desnyder-Ivesdal](#).

Conference presentations

- Basic Info
- Employment
- Qualification
- Analysis
- Appointments
- Talks
- Theses
- OTP
- SCAB
- Grants

Elizaveta has given 10 talks:

Moriond NEW2023 14th Rencontres de Moriond 2023 on Electroweak Interactions & Unified Theories

Top ATLAS only

Top highlights from ATLAS

Type: Parallel or short plenary talks via the Speakers Committee
Institute: G'ottingen
Indico: <https://indico.cern.ch/event/1265497/>
CDS: <https://cds.cern.ch/record/2852533>
CINCO: -

$\omega = 1.3$ Speaker confirmed

2023-03-18

LHC Top 2022 LHC TOP Working Group Meeting

Top ATLAS + CMS

What is wrong with the multi-leptons + b-jets? (ATLAS+CMS combined)

Type: Invited by organizers
Institute: G'ottingen
Indico: -
CDS: -
CINCO: -

$\omega = 0$ Speaker confirmed

2022-06-15

LHCP2020 8th Conference of Large Hadron Collider Physics

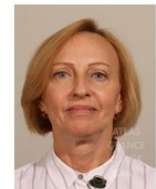
Top ATLAS + CMS

Rare top production processes, rare top decays

Type: Long plenary talks via the Speakers Committee
Institute: G'ottingen
Indico: <https://indico.cern.ch/event/914549/>
CDS: <https://cds.cern.ch/record/2717664>
CINCO: https://cms-mgt-conferences.web.cern.ch/conferences/pres_display.aspx?cid=2817&pid=21583

$\omega = 1.092$ Speaker confirmed

2020-05-25



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In Göttingen

Supervision of 55 bachelor students

Henrike Fleischhack, Carsten Brachem, Jannik Hofestaedt, Elina Fuchs, Alexander Runde, Sven Ebert, Philipp Stolte, Chris Delitzsch, Timo Nachstedt, Eric Drechlser, Silvan Kuttimalai, Cora Fischer, Steffen Henkelmann, Fritz Pasternock, Dominik Müller, Lilly Wüst, Lukas Weise, Alexander Sydorenko, Knut Zoch, Timo Dreyer, Felix Wiebe, Jens Oltmanns, Art Gabriel, Simon Koch, Wolfgang Staubert, Jakob Schneider, Andreas Kirchhoff, Tobias Fitschen, Marie Reinecke, Kevin Moor, Marcel Niemeyer, Paul Krug, Christina Reißel, Wolf Welling, Tobias Moritz, Noreen Rauls, Maximilian Kurjahn, Joey Kalis, Pascal Herrmann, Tomke Schröer, Jan Filipe Lehmann, Gesine Grubert, Jun Huang, Dirk Neumann, Titus Czajka, Konrad Helms, Ireas Raschke, Theresa Reisch, Daniel Werner, Kia-Jüing Yang, Tim Schlömer, Dennis Rodermund, Siemen Aulich, Tobias Henne, Nico Schiel ...

In Göttingen

Supervision of 37 master students

Carsten Brachem, Elina Fuchs, Henrike Fleischhack, Jannik Hofestädt, Philipp Stolte, Chris Delitzsch, Steffen Henkelmann, Cora Fischer, Eric Drechsler, Veit Dahlke, Nils-Arne Rosien, Simon Schulte, Jannik Geisen, Lukas Weise, Ishan Pokharel, Konstantin Lehmann, Tobias Orthen, Knut Zoch, Fabian Sohns, Gaoyuan Wang, David Grote, Benedikt Völkel, Marie Reinecke, Marcel Niemeyer, Andreas Kirchhoff, Paul Krug, Kevin Moor, Steffen Korn, Sreelakshmi JS, Tomke Schröer, Moritz Habbaba, Saidev Polisetty, Sebastian Preuth, Theresa Reisch, Daniel Werner, Tim Schlömer, Ireas Raschke

In Göttingen

Supervision of 29 PhD students

Fabian Kohn, Johannes Erdmann, Adam Roe, Anna Henrichs, Despoina Evangelakou, Stefan Guindon, Andrea Knue, Katharina Bierwagen, Boris Lemmer, Tamara Vazquez Schröder, Olaf Nackenhorst, Leonid Serkin, Mohammad Kareem, Matteo Mantoani, Philipp Stolte-Cord to Krax, Nils-Arne Rosien, Eric Drechsler, Jannik Geisen, Antonio De Maria, Tomas Dado, Gvantsa Mchedlidze, Paolo Sabatini, Knut Zoch, Fabian Sohns, (Ishan Pokharel), Steffen Korn, Chris Scheulen, Sreelakshmi JS, Matthew Kingston

On D0 (Bonn)

Markus Klute, Markus Warsinsky, Tobias Golling, Jörg Meyer, Kevin Kröninger (MSc), Su-Jung Park (MSc), Oleg Brandt (MSc)

In Göttingen

Close cooperation with 18 junior faculty and postdocs

Kevin Kröninger, Florent Fayette, Shabnaz Pashapour, Ulla Blumenschein, Zinonas Zinonos, Boris Lemmer, Maria Moreno Llacer, Yvonne Peters, Oleg Brandt, Thomas Peiffer, Clara Nellist, Royer Ticse-Torres, Baida Achkar, Knut Zoch, Jelena Jovicevic, Steffen Korn, Baptiste Ravina, Karsten Köneke

In Göttingen

Funding applications, reports, students' interim reports ...

Administration ... in 2009 ...

→ no oversea allowance for three months

Thank you!

You were there to support me
Since 2001 at FNAL on D0,
in 2003 as top convenor and dep. Physics coord., PDG top-quark review, Habilitation

In 2005 in Göttingen
In 2006 at MPI Munich
In 2006 in Göttingen
Since 2008 together in Göttingen



THANK YOU SO MUCH !!!