

# Outreach Initiatives in Georgia

Dr SHARMAZANASHVILI Alexander

Dr MIRZIASHVILI Ketii

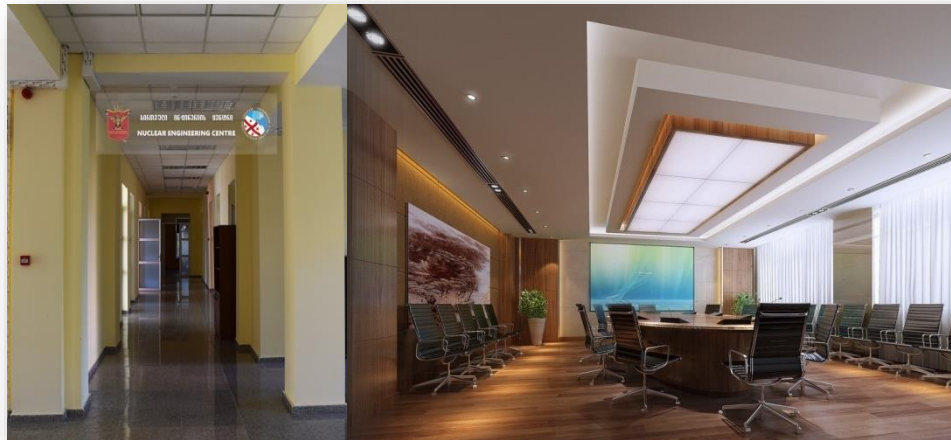
Georgian Technical University (GTU)

Nuclear Engineering Center (NEC)



# ABOUT NEC

- Collaboration with ATLAS since 2004
- Done 7 Collaboration Agreements
- Done 27 Working Packages
- 2004-2008 work with ATLAS TCn
- 2009-2018 work with ATLAS Software & Computing
- 2016-2018 work with ATLAS Outreach



# ABOUT NEC

Average age of team is 26 years  
(without this guy)



Prof SHARMAZANASHVILI Alexander, Coordinator



MS KEKELIA Besik, Director



Dr SURMAVA Archil, Stream Manager



Dr TSUTSKIRIDZE Niko, Stream Manager



MS PATARIDZE Lasha, Project Analyst



UDZILAURI Nikoloz, Designer-Programmer



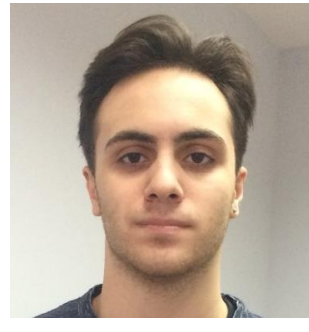
KOBAKHIDZE Shota, Designer-Programmer



PIRTSKHALAVA Mariam, Designer-Programmer



SHEKILADZE Davit, Designer-Programmer



KHELASHVILI Levan, Designer-Programmer

- NEC was the first group who started organizing IPPOG Master Classes (MC) in Georgia
- Thanks to Uta BILOW, Kenneth CECIRE and Natascha HOERMANN for helping with organization of MC in Georgia
- Thanks to Ketu MIRZIASHVILI who's a National Representative of IPPOG in Georgia
- Overall, NEC organized 3 sessions of MC in Georgia

- 1 ATLAS and 2 CMS Master Classes (MC) were organized at Georgian Technical University
- For ATLAS MC Lecturers were invited from High Energy Physics Department of Tbilisi State University
- For CMS MC Prof Ia IASHVILI was invited from State University of New York, Buffalo
- 75 participants were certified by IPPOG certificates
- We provoke huge interest among teenagers, teachers, Universities and educational authorities of Georgia
- So it was decided organization of 2<sup>nd</sup> IPPOG session in autumn of 2017

# 1<sup>st</sup> Event: Spring 2017

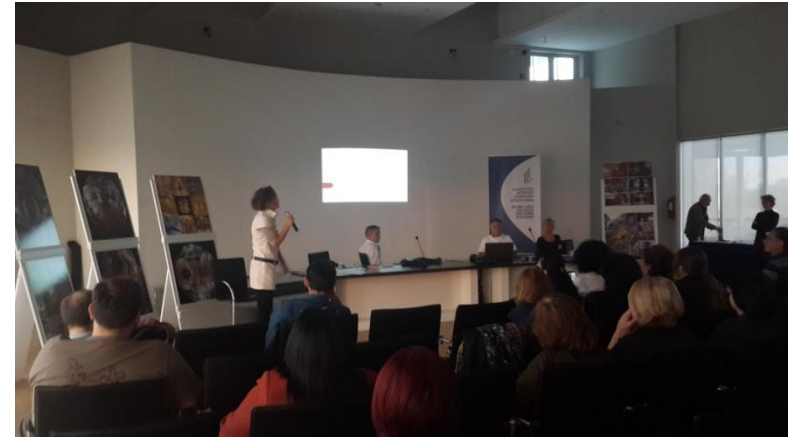
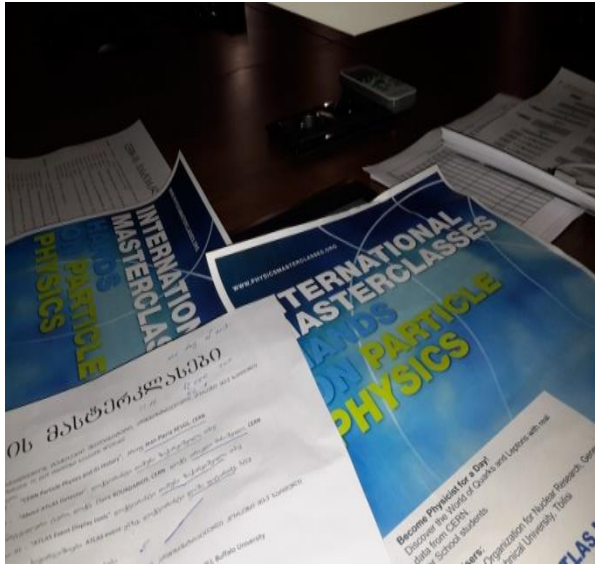
- Master Classes at Georgian Technical University



## 2<sup>nd</sup> Event: Autumn 2017

- We extended format and combined IPPOG MC's with Workshop for school teachers
- We invited professors from CERN – Prof Jean-Pierre REVOL and Prof Despina HATZIFOTIADOU for both IPPOG MC's and Workshop
- We did 3 MC of ATLAS CMS and Alice at Georgian Technical University
- For ATLAS MC Lecturers were invited from High Energy Physics Department of Tbilisi State University
- For CMS MC Prof Ia IASHVILI was invited from State University of New York, Buffalo
- 5 private schools, 4 state schools, 2 regional schools and 2 universities were participated
- 75 participants were certified by IPPOG certificates
- Workshop was organized in National Center for Teacher Professional Development

- Master Classes at Georgian Technical University





- We diversify hosts and move IPPOG at Tbilisi State University (TSU) and at Kutaisi Akaki Tsereteli University (KATU) in the west part of Georgia
- TSU carried out 3 ATLAS MC's by lecturers from High Energy Physics Department of Tbilisi State University
- KATU did 2 CMS MC's by Prof Ia IASHVILI was invited from State University of New York, Buffalo
- 2 ATLAS and 1 CMS MC's were organized at Georgian Technical University
- 4 private schools, 7 state schools, 4 regional schools and 3 universities were participated
- 175 participants were certified by IPPOG certificates

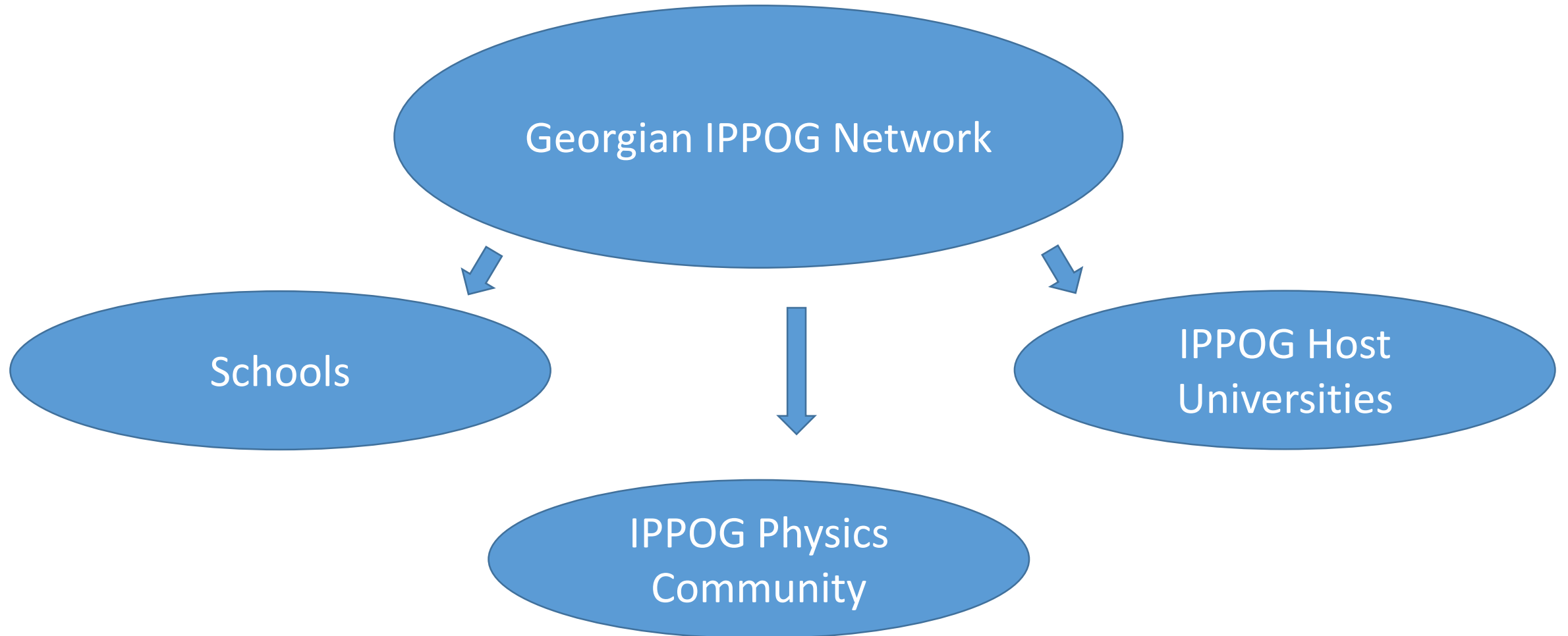
- Master Classes at Tbilisi State University

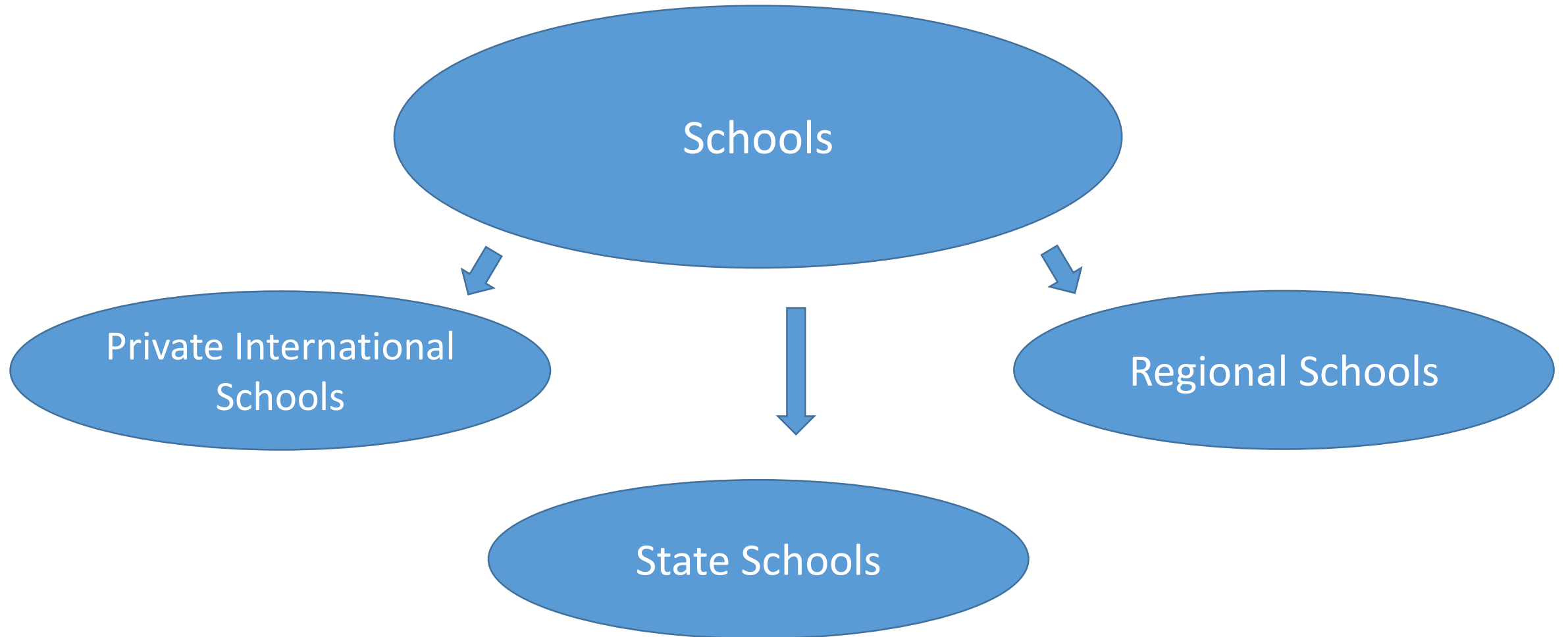


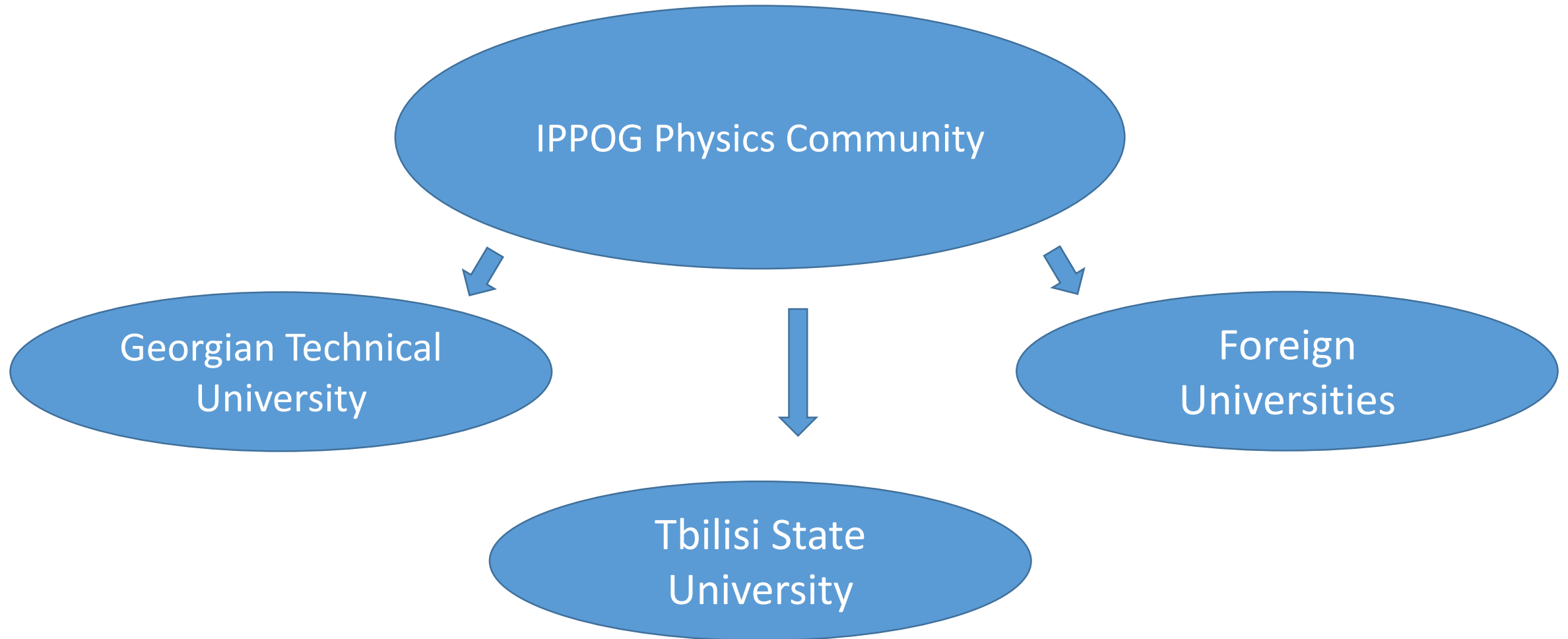
- Master Classes at Kutaisi Akaki Tsereteli University



- Finally NEC built so called Georgian IPPOG Network







# Georgian IPPOG Network

IPPOG Host Universities



# Upcoming Event

- In the last week of October, 2018 we are organizing CERN Cognitive Festival in Georgia
- Festival will be a combination of 3 days IPPOG MC's, 2 days Workshop and 5 days Art@Science exhibition
- We have 7 invited guests from CERN
- Prof Manfred KRAMMER, Head of CERN EP Department together with Prof Hans-Peter BECK from IPPOG will participate
- Exhibition will set up by Dr Michael HOCH



**CERN Cognitive Festival in Georgia**

**22-26 October**  
Tbilisi, Georgian Technical University

**Participants from CERN**

- Prof KRAMMER Manfred  
Head of Experimental Physics Department  
CERN, Switzerland
- Prof BECK Hans-Peter  
Spokesperson IPPOG Collaboration  
CERN, Switzerland
- Prof BARRBERIS Dario  
ATLAS Computing  
CERN, Switzerland
- Prof HOCH Michael  
Head of Art@CMS Group  
CERN, Switzerland
- Prof KRAMMER Natascha  
Head of Vienna Physics Group  
CERN, Switzerland
- Prof HATZIFOTIADOU Despina  
ALICE Outreach Coordinator  
CERN, Switzerland

**Program**

22nd October, Monday	10h00-18h00	IPPOG masterclass – ALICE	Day 1
23rd October, Tuesday	10h00-18h00	IPPOG masterclass – CMS	Day 2
24th October, Wednesday	10h00-15h00	Workshop	Day 1
	16h00-	Official meetings	
25th October, Thursday	10h00-15h00	Workshop	Day 2
	16h00	Round table	
26th October, Friday	10h00-18h00	IPPOG masterclass – ATLAS	Day 3
23-26 October	10h00-18h00	CERN Cognitive exhibition / 150m2	

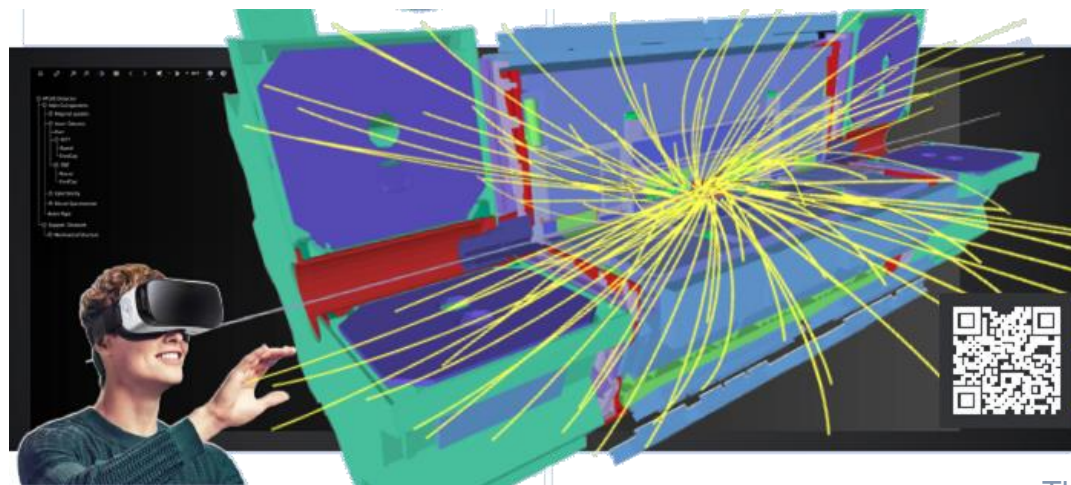
Organized by  Georgian Technical University  The European Organization for Nuclear Research

Registration: <http://cadcamge.ch/2018> Contact: Email: [lasha.sharmazanashvili@cern.ch](mailto:lasha.sharmazanashvili@cern.ch)  
Phone: +995 591 647103



# Conclusions

- NEC has good experience and connectivity to provide IPPOG Master Classes and CERN Outreach events in Georgia
- We would like to see Georgian Membership in IPPOG Collaboration
- We would like to be an active member of collaboration and will propose software tools for Master Classes; methodological developments, new exercises, subjects and events to IPPOG



# Thanks!

Comments are welcomed

[Lasha.sharmazanashvili@cern.ch](mailto:Lasha.sharmazanashvili@cern.ch)

<http://www.cadcam.ge>