

## **Experienced researchers:**

### **University of Bonn:**

Prof. Dr. Dr. h.c. Ulf-G. Meißner (node coordinator)  
PD. Dr. Akaki Rusetsky  
Prof. Dr. Carsten Urbach  
PD Dr. Bernard Metsch  
PD Dr. Bastian Kubis

### **University of Siegen:**

Prof. Dr. Thomas Mannel (node coordinator)  
Prof. Dr. Alexander Khodjamirian  
Dr. Tobias Huber  
Prof. Dr. Wolfgang Kilian  
Dr. Björn Lange

### **Forschungszentrum Jülich:**

Dr. Andro Kacharava (node coordinator)  
Prof. Dr. h.c. mult. Hans Ströher  
Dr. Irakli Keshelashvili  
Prof. Dr. Detlev Gotta

### **TSU node:**

Dr. Mirian Tabidze (Dr. of Science, Leading Researcher, HEPI TSU, node coordinator),  
Prof. Merab Eliashvili (Dr. of Science, Prof., TSU)  
Prof. Merab Gogberashvili (Dr. of Science, Assoc. Prof., TSU)  
Prof. Giorgi Tsitsishvili (Dr. of Science, Assoc. Prof., TSU)  
Prof. Revaz Shanidze (Dr. of Science, Assoc. Prof., TSU)  
Dr. Gela Devidze (Dr. of Science, Leading Researcher, HEPI TSU)  
Dr. Giorgi Macharashvili (Dr. of Science, Leading Researcher, HEPI TSU)  
Dr. Nodar Lomidze (Dr. of Science, Leading Researcher, HEPI TSU)  
Dr. David Mchedlishvili (Dr. of Science, Leading Researcher, HEPI TSU)  
Dr. T. Jobava (Dr. of Science, Leading Researcher, HEPI TSU)  
Prof. T. Mdzinarashvili (Dr. of Science, Prof., TSU)  
Prof. Giorgi Jorjadze (Dr. of Science, Prof., Andrea Razmatze Mathematical Institute of TSU)  
Prof. Zurab Tavartkiladze (Dr. of Science, Prof., Ilia State University)  
Prof. Anzor Khelashvili (Dr. of Science, Leading Researcher, HEPI TSU)  
Prof. Gia Giorgadze (Dr. of Science, Prof., TSU)

### **YerPhI + YSU node:**

Armen Nersessian (Dr. of Science, Leading Researcher, YSU, node coordinator)  
Armen Allahverdian (PhD, Leading Researcher, YerPhI)  
Nerses Ananikian (Dr. of Science, Leading Researcher, YerPhI)  
Hrachia Asatryan, Dr. of Science, Leading Researcher, YerPhI)  
Hrachia Babujian (Dr. of Science, Leading Researcher, YerPhI)

Zhyrair Gevorkyan (Dr. of Science, Leading Researcher, YerPhI)  
 Tigran Hakobyan (Dr. of Science, Senior Researcher, YSU)  
 David Karakhanian (Dr. of Science, Leading Researcher, YerPhI)  
 Evgeny Mamasakhlisov (Dr. of Science, Senior Researcher, Associate Professor, YSU)  
 Ruben Manvelyan (Dr. of Science, Head of Theory Department, YerPhI)  
 Ruben Mkrtchyan (Dr. of Science, Leading Researcher, YerPhI)  
 Vadim Ohanyan (PhD, Senior Researcher, YSU)  
 Rubik Poghosian (Dr. of Science, Leading Researcher, YerPhI)  
 Gor Sarkissian (Dr. of Science, Researcher, YSU)  
 Hovhannes Shmavonyan (PhD, Researcher, YerPhI)

## PhD and Master students:

### YerPhI + YSU node:

Maneh Avetisyan	PhD Student, Yerevan Physics Institute, <i>Asatiani Stipend (since March 2018)</i> <b>“Universal Knot Polynomials”</b> Supervisor: Ruben Mkrtchyan Board member: Hovhannes Khudaverdian
Arman Stepanian	PhD Student, Yerevan Physics Institute, <i>ICTP Stipend (since August 2017)</i> <b>“Modified Gravity Models and Their Consequences”</b> Supervisor: Vahagn Gurzadyan Defended at YerPhI 30.06.2020
Hamid Arian Zad	PhD Student, Yerevan Physics Institute, <i>ICTP Stipend (since September 2018)</i> <b>“Quantum entanglement and magnetic behavior of metal-containing compounds”</b> Supervisor: Nerses Ananikian Board member: Vadim Ohanyan
Erik Khastyan	PhD Student, Yerevan Physics Institute, <i>RDP Stipend (since September 2018)</i> <b>“Supersymmetric mechanics with Kahler phase spaces”</b> Supervisor: Armen Nersessian Board members: Tigran Hakobyan, Sergey Krivonos
Melik Karapetyan,	PhD Student, Yerevan Physics Institute <b>“Interacting Higher Spin Theories in flat and AdS space”</b> Supervisor: Ruben Manvelyan
Mher Davtyan	PhD Student, Yerevan Physics Institute <b>“Polarization effects in cloaking phenomenon”</b> Supervisor: Zhirayr Gevorkian
Sergey Tumasyan,	Master Student, Yerevan State University, <i>RDP Stipend (since January 2020)</i> <b>“Higher order QCD corrections for neutral B-meson oscillations”</b> Supervisors: Hrachya Asatryan, Artem Hovhannisyan
Seda Vardanyan	Master Student, Yerevan State University, <i>RDP Stipend (since January 2020)</i>

**“Integrable systems of interacting particles”**

Supervisor: Tigran Hakobyan

Samvel Mouradyan

Master Student, Yerevan State University,  
**“Optimizing magnetocaloric effect in molecular magnets”,**  
Supervisor: Vadim Ohanyan (YSU)

Zhirayr Adamyan

Master Student, Yerevan State University,  
**“Non-conserving magnetization operator and entanglement”,**  
Supervisor: Vadim Ohanyan (YSU)

**TSU node:**

Tamar Zakareishvili

PhD, student, Tbilisi State University, *Asatiani stipend (since April 2018)*  
**“Studies of the ATLAS hadronic calorimeter performance and associated production of a top quark pair with a J/Psi meson”**  
Supervisors: Tamar Djobava (HEPI TSU), Vakhtang Kartvelisvili (Lancaster University)

Gogita Papaplashvili

PhD student, Tbilisi State University, *RDP Stipend (since April 2018)*  
**“Study of the neutrino oscillations and measuring the neutrino mass hierarchy with the KM3Net/ORCA experiment”**  
Supervisor: Revaz Shanidze (TSU).  
Board member: Nodar Lomidze (HEPI TSU)

Archil Durglishvili

PhD student, Tbilisi State University, *RDP Stipend (since July 2019)*  
**“Search for flavour-changing neutral current top-quark decays and optimization of the Hadronic Tile Calorimeter performance at the ATLAS experiment”**  
Supervisors: Tamar Djobava (HEPI TSU), Ana Henriques Correia (CERN)  
defended at TSU 22.07.2020

Dito Shergelashvili

PhD student, Tbilisi State University  
**“Development of the readout and slow control systems for the JEDI polarimeter”**  
Supervisor: David Mchedlishvili (HEPI TSU)  
Board member: Irakli Keshelashvili (IKP-FZ)

Revaz Beradze

PhD student, Tbilisi State University, *RDP Stipend (since February 2019)*  
**“Cosmological Applications of Mirror World Scenario”**  
Supervisor: Merab Gogberashvili (TSU)  
Board member: Zurab Berezhiani (L’Aquila University)

Alexander Gurchumelia

PhD student, Tbilisi State University, *RDP Stipend (since February 2019)*  
**„Implementations of Normed Algebras in Physics Models“**  
Supervisor: Merab Gogberashvili (TSU)  
Board member: George Tsitsishvili (TSU)

Lasha Pantskhava

PhD student, Tbilisi State University, *RDP Stipend (since April 2020)*  
**“Fermion Mass hierarchy Problem in Grand Unification”**  
Supervisor: George Tsitsishvili (TSU)

Board member: Merab Gogberashvili (TSU)

Irakli Lomidze	Master Student, Agriuni “Optimisation of the JEDI Polarimeter” Supervisors: Irakli Keshelashvili (IKP-FZ), David Mchedlishvili (HEPI TSU)
Dachi Okropiridze	Master Student, GTS Supervisor: David Mchedlishvili (HEPI TSU)
Nino Turkadze	PhD student, Tbilisi State University <b>"Microbes around us - studies by physical methods"</b> Supervisor: Tamaz Mdzinarashvili (TSU)
Levan Cheishvili	PhD student, Tbilisi State University <b>"structural features of nanoparticles"</b> Supervisor: Tamaz Mdzinarashvili (TSU)
Mariam Chtitishvili	PhD student, Tbilisi State University <b>“Problems of destabilization vacuum in external gravitational field”</b> Supervisor: Merab Gogberashvili (TSU) Board Member: George Lavrelashvili (TSU)

### Students at the University of Bonn:

Vakhtang Ananiashvili	Master student from Georgia, Supervisor: PD Dr. M. Cristinziani (Bonn) <b><i>RDP stipend (since October 2018)</i></b>
Giorgi Chanturia	Master student from Georgia, Supervisors: PD Dr. B. Kubis (Bonn) and Prof. Dr. Ch. Hanhart (FZ Jülich), <b><i>DAAD stipend</i></b>
Lado Razmadze	Master student from Georgia, Supervisor Prof. Dr. T. Luu (FZ Jülich), <b><i>RDP stipend (since October 2018)</i></b>
Archil Suladze	PhD student from Georgia, Supervisor Prof. Dr. C. Urbach (Bonn), <b><i>RDP stipend (since December 2020)</i></b>
Gor Nikogosian	PhD student from Armenia, Supervisor Prof. Dr. Ulf-G. Meißner (Bonn), <b><i>RDP Stipend (January 2020)</i></b>