



**INTERNATIONAL CONFERENCE DEDICATED TO THE 100TH
ANNIVERSARY OF BAKU STATE UNIVERSITY**

MODERN TRENDS IN PHYSICS

PROGRAM

May 01-03, 2019 Baku

www.mtphysics.az

International Conference on MODERN TRENDS IN PHYSICS
dedicated to the 100th anniversary of Baku State University
May 01-03, 2019, Baku

GENERAL INFORMATION

Host organization:

Baku State University (BSU), Baku, Azerbaijan

Co-organizers:

1. Ministry of Education of the Republic of Azerbaijan
2. Regional Network for Education and Training in Nuclear Technology (STAR-NET), Vienna, Austria
3. Joint Institute for Nuclear Research (JINR), Dubna, Russia
4. Sapienza University of Rome, Rome, Italy

Topics:

1. Nano, -opto electronics and Materials Science;
2. Theoretical, Mathematical and High Energy Physics;
3. Physical and Technical Foundations of the Alternative Energy Sources;
4. Biological and Medical Physics;
5. Condensed Matter Physics

**International Conference on MODERN TRENDS IN PHYSICS
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R.J. Gasimova, Baku State University, Baku, Azerbaijan
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F.H. Pashaev, Baku State University, Baku, Azerbaijan
M.R. Rajabov, Baku State University, Baku, Azerbaijan
M.B. Muradov, Baku State University, Baku, Azerbaijan
F.V. Hajiyeva (Baku State University, Baku, Azerbaijan)
Sh.A. Mammadov, Baku State University, Baku, Azerbaijan
Sh.S. Aghayev, Baku State University, Baku, Azerbaijan

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PROGRAM COMMITTEE

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**International Conference on MODERN TRENDS IN PHYSICS
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**PROGRAM
Wednesday, May 01, 2019**

Venue: Z.Khalilov 23, Conference Hall, New Building of BSU

09:30-10:30 AM

Registration

10:30-11:00 AM

Welcome speech by ELCHIN BABAYEV, the Rector of Baku State University and Others

Plenary Session

Moderator(s):

M.A.RAMAZANOV, M.R.RAJABOV

11:00-11:20 AM

NARITAKA KOBAYASHI

ATOMIC-SCALE IMAGING OF HYDRATED WATER MOLECULES AT A SOLID-LIQUID INTERFACE BY ATOMIC FORCE MICROSCOPY

11:20-11:40 AM

**A.M.PASHAYEV, A.A.MUSAYEV, B.G.TAGIYEV,
N.A.VELIYEV, Y.M.BAGHIROV, K.R.ALLAHVERDIYEV,
I.Z.SADIKHOV**

DISTINCTIVE FEATURES OF EMISSION SPECTRA OF CRUDE OILS OF THE ABSHERON PENINSULA

11:40 AM -12:00 PM Coffee Break

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12:00-12:20 PM

PAVLE ASATIANI

CIRCULATION PHYSICAL FUNDAMENTALS OF
COMPUTING AND TECHNOLOGIES

12:20-12:40 PM

NIZAMI HASANLI

LOW TEMPERATURE THERMOLUMINESCENCE
STUDYING Y_2O_3 NANOPARTICLES

12:40-13:00 PM

**ARCHIL CHIRAKADZE, D.JISHIASGVILI,
N.MITAGVARIA, I.LAZRISHVILI, Z.SHIOLASHVILI,
A.JISHIASGVILI, N.MAKHATADZE, Z.BUACHIDZE,
N.KHUSKIVADE**

STUDIES OF THE COMPARATIVELY LOW-TEMPERATURE
SYNTHESIS AND PRELIMINARY TOXIC
CHARACTERISTICS OF SILVER DOPED LANTHANUM
MANGANITE NANOPARTICLES USING CONVENIENT AND
MICROWAVE HEATING

13:00-14:20 PM Lunch

14:30-14:50 PM

IMAN ASGARZADA

INFLUENCE OF THERMAL FLUCTUATIONS ON CRITICAL
CURRENT OF JOSEPHSON JUNCTION WITH
UNCONVENTIONAL CURRENT-PHASE RELATION

14:50-15:10 PM

**A.G. KYAZYM-ZADE, V. SALMANOV, A.G. HUSEYNOV,
R.M. MAMEDOV**

DEVELOPMENT OF LASER PHYSICS

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15:10–15:30 PM

VALI HUSEYNOV, R. GASIMOVA

POLARIZED ELECTRON TARGETS AS UNIQUE TOOL FOR
THE DISTINGUISHING OF THE FLAVOUR COMPOSITION
OF THE NEUTRINO (ANTINEUTRINO) BEAM

15:30–15:50 PM

AMDULLA O. MEKHRABOV, M. VEDAT AKDENIZ

DESIGN AND DEVELOPMENT OF HEUSLER ALLOYS FOR
MAGNETIC REFRIGERATION APPLICATIONS

15:50–16:10 PM

ELDAR MASIMOV

SEPARATING ABILITY OF TWO-PHASE WATER-POLYMER
SYSTEMS

18:00Dinner

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Thursday, May 02, 2019

Parallel Session(s)

Room: The main building of BSU, auditorium 111

Nano, -opto electronics and Materials Science

Moderator(s)

AHMED ABDINOV, FAIG PASHAYEV

**10:00–10:15 A.SH.ABDINOV, R.F.BABAYEVA,
N.A.RAGIMOVA**

DEPENDENCE OF PHOTOCONDUCTIVITY ON
THE ELECTRICAL FIELD IN n-InSe

**10:15–10:30 A.SH.ABDINOV, R.F.BABAYEVA,
S.İ.AMIROVA**

INFLUENCE OF EXTERNAL AND
INTRACRYSTALLINE FACTORS ON THE
MOBILITY OF CHARGE MEDIA IN n-InSe
SINGLE CRYSTALS

10:30–10:45 A.M.AHMEDOVA

THERMAL CONDUCTIVITY $\text{InTlIn}_{1-x}\text{YB}_x\text{Se}_2$
SOLID SOLUTIONS

11:00–11:15 N.M.AKHUNDOVA

ELECTRIC CHARGE AND HEAT TRANSFER IN
 SnTe CRYSTALS WITH DIFFERENT VACANCY
CONCENTRATIONS IN TIN SUBLATTICE

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11:15–11:30 E.SH. ALAKBAROV

SUPERSTRUCTURE FORMATION IN $\text{TlIn}_{1-x}\text{Sn}_x\text{S}_2$
EPITAXIAL FILMS

11:30–11:45 S.Z. JAFAROVA

THE ROLE OF EXCITONS IN THE FORMATION
A PHOTOCURRENT IN A TlGaSe_2 SINGLE
CRYSTAL

11:45–12:00 Coffee Break

**12:15–12:30 H.B.GASIMOV, N.E.HASANOV, R.M.RZAYEV,
H.M.MAMMADOV, V.U.MAMMADOV**

FABRICATION OF $\text{Cu}_{1.75-x}\text{In}_x\text{Te}$ AND
INVESTIGATION OF STRUCTURE
TRANSITION ($x = 0.05$ at.%)

**12:30–12:45 H.M.MAMMADOV, M.A.JAFAROV,
E.F.NASIROV, E.A.CHANMAMMADOVA,
G.H.MAMMADOVA**

EFFECT OF TEXTURING REGIMES ON THE
EFFICIENCY OF $\text{p-Si/textured-Si/ZnS}_{1-x}\text{Se}_x$ HETERO-
JUNCTIONS SOLAR CELLS

**12:45–13:00 SH.A.HUMBATOV, A.R.IMAMALIYEV,
M.A.RAMAZANOV, G.M.BAYRAMOV**

SIZE EFFECT OF SMALL FERROELECTRIC
 BaTiO_3 PARTICLES ON DIELECTRIC
PROPERTIES OF A SMECTIC A LIQUID
CRYSTAL WITH NEGATIVE DIELECTRIC
ANISOTROPY

13:00–14:00 Lunch

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14:00–14:15 T.KH.HUSEYNOV, K.M.DASHDAMIROV,
G.I.GARIBOV, V.H. SAFAROV, E.A.
RASULOV, SH.A. ALLAHVERDIYEV
ELECTRIC DOUBLE LAYER IN RAPIDLY
CHANGING HELIUM PLASMA COLUMN

14:15–14:30 K.M.BUDAGOV, G.M.BAYRAMOV,
CH.I.IBRAGIMOV, SH.SH.ALAKBAROV
VOLTAMPER CHARACTERISTICS AND
TEMPERATURE DEPENDENCE OF ELECTRIC
CONDUCTIVITY OF THICK LAYERS OF LIQUID
CRYSTALS

14:30–14:45 T.G.KERIMOVA, I.A.MAMEDOVA,
L.Y.KENGERLINSKI, N.A.ABDULLAYEV,
Z.KADIROGLU, N.T.MAMEDOV
TEMPERATURE DEPENDENCE OF RAMAN
SPECTRUM OF CdGa_2Se_4

14:45–15:00 L.H.GASANOVA, A.Z.MAHAMMADOV,
A.A.AHMED
LUMINESCENCE OF $\text{Cu}_3\text{In}_5\text{S}_9$ SINGLE CRYSTAL

15:00–15:15 M.A.RAMAZANOV, ANGELO CHIANESE,
F.V.HAJIYEVA, A.A.NOVRUZOVA
INFLUENCE OF THERMAL TREATMENT ON
PHOTOLUMINESCENT PROPERTIES OF
PP/PbS/CdS NANOCOMPOSITES

15:15–15:30 M.S.MURGUZOVA, SH.S.ISMAYLOV, A.I.
HASANOVA
ELECTRICITY CONDUCTIVITY OF
COMPENSATED $\text{Gd}_x\text{Sn}_{1-x}\text{Se}$ CRYSTALS AND
ANOMALOUS CHANGE OF HOLL'S

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COEFFICIENT

15:30–15:45 **MOHAMMADREZA SABOKTAKIN**
THE DEVELOPMENT OF PHOTODYNAMIC
THERAPY TECHNIQUE FOR CANCER
TREATMENT WITH NEW NANOPARTICLES

15:45–16:00 **F.A.RUSTAMOV, N.H.DARVISHOV, V.E.**
BAGIYEV, M.Z.MAMMADOV, G.M.
EYVAZOVA, E.Y.BOBROVA, H.O.
QAFAROVA
ROLE OF OXYGEN AND HYDROGEN BONDS IN
PHOTOLUMINESCENCE OF POROUS SILICON

16:00–16:15 **R.K. MAMMADOV, A.R.ASLANOVA, P.O.**
GANIZADE, A.A.MUSAYEVA
TEMPERATURE DEPENDENCE OF THE
VOLTAGE OF ADDITIONAL ELECTRIC FIELD
METAL - GaAs SCOTS DIODES

16:15–16:30 **O.B.TAGIYEV, T.G.NAGHIYEV, E.G.**
ASADOV, K.O.TAGIYEV
EFFECT OF THE EXTERNAL INFLUENCES ON
PHOTOLUMINESCENCE EFFICIENCY AND
DECAY OF Eu^{2+} DOPED $\text{Ca}_x\text{Ba}_{1-x}\text{Ga}_2\text{S}_4$ AND
 $\text{Ca}(\text{Al}_x\text{Ga}_{1-x})_2\text{S}_4$ SYSTEMS

16:30–16:45 **B.SH.BARKHALOV, M.M.TAGIYEV, G.J.**
ABDINOVA
MAGNETOTHERMOELECTRIC PROPERTIES OF
THERMAL ELEMENTS ON THE BASIS OF
CRYSTALS OF SOLID SOLUTIONS BISMUTH-
ANTIMONY AND BISMUTH TELLURIDE-
ANTIMONY TELLURIDE

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16:45–17:00 D.JISHIASHVILI, A.CHIRAKADZE, Z.
SHIOLASHVILI, N.MAKHATADZE, A.
JISHIASHVILI, V.GOBRONIDZE
VAPOR-PHASE SYNTHESIS OF COPPER-BASED
NANOSTRUCTURES

17:00–17:15 M.A.RAMAZANOV, H.A.SHIRINOVA
FLUCTUATION OF THE MAGNETIC MOMENT
OF MAGNETITE PARTICLES DEPENDING ON
THE SIZE OF PARTICLES

17:15–17:30 M.A. MEHRABOVA, H.S. ORUJOV, H.R.
NURIYEV, N.H. HASANOV, A.A.
ABDULLAYEVA, Z.I. SULEYMANOV
AB-INITIO CALCULATIONS OF ELECTRONIC
STRUCTURE OF CdFeTe AND OPTICAL
PROPERTIES

17:30–17:45 M.A. MEHRABOVA, H.R. NURIYEV, N.H.
HASANOV, T.I. KERIMOVA, A.I. KAZIMOVA,
N.A. SAFAROV, A.M. NAZAROV
DIELECTRIC PROPERTIES OF CdMnTe(Se)
SEMIMAGNETIC SEMICONDUCTORS

17:45–18:00 M.A. RAMAZANOV, F.V. HAJIYEVA
SYNTHESIS AND STRUCTURE OF HYBRID
POLYMER NANOCOMPOSITES BASED ON
PP +CdS/ZnS

18:00–18:15 M.M. ZARBALIEV, M.H. ISMAYILOV, N.S.
SARDAROVA
ON THE FORMATION AND ELECTROPHYSICAL
PROPERTIES OF SOLID SOLUTIONS $TlIn_{1-x}Dy_xS_2$

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Thursday, May 02, 2019

Parallel Session(s)

Room: The main building of BSU, auditorium 316

Theoretical and Mathematical and High Energy Physics

Moderator(s)

PAVLE ASATIANI, RAUF JAFAROV

10:00–10:15M. DVORNIKOV

RELATIVISTIC QUANTUM MECHANICS
DESCRIPTION OF NEUTRINO SPIN-FLAVOR
OSCILLATIONS IN MATTER AND A PLANE
ELECTROMAGNETIC WAVE

10:15–10:30A.M. AHMADOVA, S.Z. JAFAROVA

ON THE ISSUE OF REDUCING HARMFUL
NOISE IN THREE-PHASE VIBRATORS

10:45–11:00Z.F. ALIYEVA

STUDY OF CHANGE WIDENESS OF CORONAL
SPECTRAL LINES AT HEIGHT IN CROWN AND
SUN DISK

**11:00–11:15D.M. KULI-ZADA, S.G. MAMMADOV, Z.F.
ALIYEVA**

SPECTROPHOTOMETRIC CHARACTERISTICS
AND PARAMETERS ASYMMETRIES OF INFRARED
LINES IN THE SPECTRA OF THE SUN

**11:15–11:30D.M. KULI-ZADA, S.H. MAMADOV, K.I.
ALISHEVA**

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ASSYMETRY CLASSIFICATION IN THE
SPECTRUM OF THE SUN

11:30–11:45 **C.M. KULI-ZADZ, K.I. ALISHEVA, A.H. ALILI**
PRECISE DIFFUSION COEFFICIENT FOR
PLANETARY NEBULAE AND ITS RELATION TO
DYNAMIC AGE

11:40–12:00 **Cofee Break**

12:00–12:15 **E.M. HASANOV, Z.H. TAGIYEV, A.A.**
ABDINOVA, N.A. AKHMEDOV
THEORETICAL CONFORMATIONAL ANALYSIS
OF THE C-TERMINAL TETRAPEPTIDE
FRAGMENT OF THE BAM-22P

12:15–12:30 **E.P. NAHKMEDOV, S.M. PASHAYEV**
EDGE STATES IN CORBINO DISK IN THE
PRESENCE OF RASHBA AND
DRESSSELHAUS SPIN-ORBIT INTERACTIONS

12:30–12:45 **S.K. ABDULLAYEV, E.SH. OMAROVA**
THE DECAYS OF $H(h; A)$ HIGGS-BOSONS
INTO TWO PHOTONS

12:45–13:00 **F.I. ISMAYILOV**
THE METHOD OF ATMOSPHERIC
CORRECTION OF SATELLITE
IMAGES. RESTORE SPECTRAL BRIGHTNESS
OF THE EARTH'S SURFACE

13:00–14:00 **Lunch**

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14:00–14:10 G.R. BAHADDINOVA, U. BASHIROVA, N.Z. ISMAYILOV

H α AND H β LINES IN THE SPECTRUM OF
THE Ae HERBIG STAR HD190073

14:10–14:20 D.M. KULI-ZADA, S.G. ALIYEV, V.M. KHALILOV, S.N. GULAHMADOVA

CHANGE OF BALMER JUMP IN MAGNETIC
CP-STARS

14:20–14:30 H.N. ADIGOZALZADA, U.Z. BASHIROVA

SPECTRAL VARIABILITY H β LINE OF
THE Ae HERBIG TYPE STAR HD 179218

14:30–14:40 G.C. ABBASOVA, L.S. HAJIYEVA., G.R. SAFARLI

THE STUDY OF THE SPATIAL STRUCTURAL
ORGANIZATION OF THE MOLECULE OF THE
HERPES VIRUS

14:40–14:50 I.G. AFANDIYEVA, R.A. AHMEDOV

GENEALOGICAL COEFFICIENTS OF KINSHIP
IN THE DIRECT NUCLEAR REACTIONS

14:50–14:30 I.N. ASGARZADA, R.T. ASGARBAYLI

THERMAL ACTIVATION in SMALL
JOSEPHSON JUNCTION

15:30–15:45 L.I. ISMAYILOVA, R.M. ABBASLI, N.A. AHMADOV

SPATIAL STRUCTURE OF ARGININ-CONTAINING
PENTAPEPTIDES

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15:45–16:00 M.M. BABAYEV, KH.B. SULTANOVA, M.Q. ABBASLI

MOBILITY OF ELECTRONS IN A SEMICONDUCTOR QUANTUM WELL WITH THE MODIFIED PÖSCHL-TELLER CONFINING POTENTIAL

16:00–16:15 R.G. JAFAROV

DESCRIPTION OF THE DECAY $\sigma \rightarrow \pi\pi$ IN QUANTUM FIELD THEORY

16:15–16:30 MAIS SULEYMANOV

THE COLLECTIVE BEHAVIOR OF THE PARTONS AND ITS INFLUENCE ON THE JET SUPPRESSION IN HEAVY ION COLLISIONS

16:30–16:45 N.A. HUSEYNOV, V.L. OKNYANSKY, KH.M. MIKAILOV, V.M. LIPUNOV, V.I. METLOV, N.I. TAGHIYEVA

CHARACTERISTIC FEATURES OF THE CHANGE OF THE SPECTRAL TYPE OF THE SEYFERT GALAXY NGC 2617

16:45–17:00 N.Z. ISMAYILOV, G.B. MAMMADKHANOVA
SURFACE PHOTOMETRY OF ORION PROPLYDS

17:00–17:15 J.S. ALIYEV

SOME PROBLEMS OF THE DATA ANALYSIS

17:15–17:30 S.P. PASHAYEV

INVESTIGATING THE EFFECT OF METHANOL AND RHODAMINE ON SILK FIBROIN STRUCTURE THROUGH FTIR SPECTROSCOPY

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Thursday, May 02, 2019

Parallel Session(s)

Room: The main building of BSU, auditorium125
Physical and Technical Foundations of Alternative Energy Sources

Moderator(s)

AMIL MAHARRAMOV

10:00–10:15 N.A.YUSIFBAYLI, R.K. KALBIYEV
SOLAR ENERGY POTENTIAL OF THE REPUBLIC OF AZERBAIJAN

10:15–10:30 N.A. RAMAZANLI
THEROLE OF PROGNOSIS AND ITS ESTIMATION IN THE MANAGEMENT OF CONSTRUCTION FIELD DEVELOPMENT

10:30–10:45 A.M. MAHARRAMOV, G.SH. MEHDIYEVA, L.A. AGAMALIYEVA, R.SH. SHAFAGATOV
RENEWABLE ENERGY IN FOCUS: PECULIARITIES OF THE LOCAL RELIEF DEPENDENT MOUNTAIN-VALLEY WINDS

10:45–11:00 R.Z. RASULOV
ANALYSIS OF GEOMETRIC MODELING IN DESIGN

11:15–11:30 A.M. MAHARRAMOV, E.A. GARIBLI, G.SH. MEHDIYEVA, R.SH. SHAFAGATOV
ADJUSTMENT OF CONSUMPTION ELECTRIC ENERGY IN CONDITIONS OF TRANSITION PERIOD

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11:30–11:45 A.M. MAHARRAMOV, R.SH. SHAFAGATOV
ISSUES OF ECONOMIC PROBLEMS SOLVING OF
RENEWABLE ENERGY SOURCES ACQUISITION

11:45–12:00 Cofee Break

**12:00–12:15 J. SAFAROV, A. GULUZADE,
KH.SULEYMANLI, E. HASSEL**
IONIC LIQUIDS AS HEAT TRANSFER FLUIDS IN SOLAR
THERMAL SYSTEMS

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Thursday, May 02, 2019

Parallel Session(s)

Room: The main building of BSU, auditorium112

Biological and Medical Physics

Moderator(s)

ELDAR MASIMOV, NIFTALI GODJAEV

10:00–10:15 G.A. AGHAYEVA, U.T. AGHAYEVA, N.M. GOJAYEV

MOLECULAR MECHANICS AND DYNAMICS STUDY OF
HYPOTENSIVE PEPTIDE NOVOKININ

10:15–10:30 A.B. ISMAYILOVA

ZEISS MICROSCOPES IN BIOMEDICAL RESEARCH

10:30–10:45 L.N. AGHAYEVA, A.A. ABDINOVA, S.R. AHMADOVA, N.F. AHMADOV

SPATIAL STRUCTURE OF ACTH- (7-10)-PGP MOLECULES

10:45–11:00 N.M. GOJAYEV, G.A. AGHAYEVA, U.T. AGHAYEVA

COMPARATIVE STUDY OF CONFORMATIONAL
BEHAVIOUR OF ANGIOTENSIN CONVERTING ENZYME
INHIBITORY TRIPEPTIDES

11:00–11:15 N.A. AHMADOV, R.M. ABBASLI, L.N. AGHAYEVA, L.I. ISMAYILOVA

THREE-DIMENSIONAL STRUCTURE OF EXORPHIN B5
MOLECULE

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11:15–11:30 E.A. MASIMOV, A.H. ASADOVA, S.R. BAGHIROVA, V.V. PRUDKO

THE TEMPERATURE DEPENDENCE OF INTRINSIC VISCOSITY OF AGAROSE'S LIQUID SOLUTIONS

11:30–11:45 E.A. MASIMOV, B.G. PASHAYEV, N.F. ORUJOVA, M.F. YUSUBOVA

THE PARAMETERS OF VISCOUS FLOW ACTIVATION OF THE SYSTEMS WATER-PEG-LiOH AND THE PARTIAL MOLAR VOLUMES OF POLYETHYLENE GLYCOL IN SOLUTIONS

11:45–12:00 Coffee Break

12:00–12:15 G.A. AKVERDIYEVA, S.D. DEMUKHAMEDOVA, N.M. GOJAYEV

THEORETICAL STUDY OF THYMOMIMETIC PEPTIDE H-LYS-GLU-OH (VILON) AND ITS COMPLEX WITH THE RECEPTOR

12:15–12:30 G.J. ABBASOVA, E.Z. ALIYEV, G.R. SAFARLI
CONFORMATIONAL MOBILITY OF SIDE CHAINS OF THE MOLECULE CYS-ARG-GLU-LYS-ALA

12:30–12:45 E.A. MASIMOV, B.G. PASHAYEV, N.V. NIFTULLAYEVA, M.E. HASHIMOVA

STUDYING OF STRUCTURAL CHARACTERISTICS IN WATER-POLYETHYLENE GLYCOL-LiOH, NaOH, KOH SYSTEMS BY VISCOSIMETRY AND PYCNOMETRY METHODS

12:45–13:00 E.A. MASIMOV, B.G. PASHAYEV, M.R. RAJABOV, L.P. ALIYEV

VISCOZYMETRIC STUDY OF AQUEOUS SOLUTIONS LiOH,

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NaOH AND KOH

13:00–14:00 Lunch

14:00–14:15 G.G. VALIYEVA, LUCA DI PALMA, S.R. HAJIYEVA, M.A. RAMAZANOV, F.V. HAJIYEVA
FE/PD BIMETALLIC NANOPARTICLES IN WATER
REMEDICATION AND NITRATES TREATMENT

14:15–14:30 I.S. AHMADOV, M.A. RAMAZANOV
INTERACTION OF PROTEIN AND STARCH MOLECULES
WITH NANOPARTICLES

14:30–14:45 M.A. GURBANOV, B.H. KHUDAYAROV, Z.A. DADASHOV,
I.S. RAMAZANOVA, U.V. YUSIFOVA, S.A. NABIYEVA
BOUNDARY EFFECTS IN POLYMER COMPOSITES -
POWERED CERAMICS

14:45–15:00 S.R. BAGIROVA, KH.T. HASANOVA
THE REOLOGICAL PROPERTIES OF LIQUID SOLUTIONS OF
PVP

15:00–15:15 S.R. SLAVOLJUB
A SIMPLE EXPERIMENT FOR PROVING GREEN HOUSE
EFFECT

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Thursday, May 02, 2019

Parallel Session(s)

Room: The main building of BSU, auditorium 335

Condensed Matter Physics

Moderator(s)

SOFYA FIGAROVA, RENA KASUMOVA

10:00–10:15 T.H. ISMAYILOV, A.F. ASLANLI

SPECIFIC HEAT AND MAGNETIZATION OF THE FERMI GaS
IN SEMICONDUCTOR NANOTUBE WITH SPIN-ORBITAL
RASHBA INTERACTION

**10:15–10:30 M.M. PANAHOV, S.N. SARMASOV, R.SH.
RAHIMOV, T.SH. ABDULLAYEV**

MANUFACTURE OF FILM RESISTANCE

10:30–10:45 A.M. BABANLI, B.G. IBRAHIMOV

MAGNETIC MOMENT OF THE LATTICE OF NON-
INTERACTING DILUTED MAGNETIC SEMICONDUCTOR
QUANTUM RING

10:45–11:00 E.R. HASANOV, R.K. MUSTAFAYEVA

ENERGY RADIATION IN IMPURETY SEMICONDUCTORS IN
AN EXTERNAL ELECTRIC FIELD

**11:00–11:15 R.J.KASUMOVA, N.V.KARIMOVA,
G.A.SAFAROVA, A.R.AHMADOVA**

BACKWARD SECOND HARMONIC WAVE IN REGULAR
DOMAIN STRUCTURES

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11:15–11:30 S.M. USEYNOVA

VARIATION METHODS OF MEASURING OF DIELECTRIC
PARAMETERS

**11:30–11:45 S.C. TARIVERDIYEV, R.R. BITSKIY, M.R.
BUTAYEV, V.A. REUTSKY**

OPTIMIZATION OF THE DIOD-PUMPED SOLID-STATE
LASER PARAMETERS OF A SOLID-STATE Nd: YAG WITH
TRANSVERSE PUMPING BY LASER DIODE

11:45–12:00 Coffee Break

**12:00–12:15 SH.SH. AMIROV, R.J. KASUMOVA, Z.H.
TAGHIYEV**

ENERGY OF ULTRA SHORT PULSES IN METAMATERIALS

12:15–12:30 S.R. FIGAROVA, M.M. MAHMUDOV

EFFECT OF THE ENERGY SPECTRUM NONPARABOLICITY
ON THE ENTROPY OF A COMPLEX SHAPE QUANTUM
WELL

12:30–12:45 S.R. FIGAROVA, V.R. FIGAROV

STATISTICS OF SYSTEMS WITH CORRELATED STATES

**12:45–13:00 V.M. SALMANOV, A.G. HUSEYNOV, R.M.
MAMMADOV, A.A. SALMANOVA**

THE DESTRUCTION OF TRANSPARENT DIELECTRICS
UNDER THE ACTION OF LASER RADIATION

13:00–14:00 Lunch

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14:00–14:15 MAHMUT AYDINOL

FOLLOWING ELECTRON IMPACT EXCITATION OF
SINGLE(93Np, 94Pu, 95Am, 96Cm, 97Bk, 98Cf) ATOMS O
SUBHELL IONIZATION CROSS SECTIONS BY USING
LOTZ'S EQUATIONS

14:15–14:30 MAHMUT AYDINOL

FOLLOWING ELECTRON IMPACT EXCITATION OF
SINGLE(99Es, 100Fm, 101Md, 102No, 103Lr, 104Rf)
TRANSURANIC ATOMS O SUBHELL IONIZATION CROSS
SECTIONS BY USING LOTZ'S EQUATIONS

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Friday, May 03, 2019

Parallel Session(s)

Room: The main building of BSU, auditorium 111

Nano, -opto electronics and Materials Science

Moderator(s)

MARIF JAFAROV, NAGIF NABIYEV

**10:00–10:15 MIRZOAZIZ KHUSENOV, DILSHOD
NEMATOV, AMONDULLO BURHONZODA,
KHOLMIRZO KHOLMURODOV**

MOLECULAR DYNAMICS NANOSCALE
PHENOMENA: COMPUTER DESIGN FOR NEW
DRUGS AND MATERIALS

**10:15–10:30 E.A. SALAKHOVA, D.B. TAGIYEV, M.A.
RAMAZANOV, Z.A. AGHAMALIYEV, K.F.
IBRAGIMOVA, P.E. KALANTAROVA**

ELECTROCHEMICAL OBTAINING OF
SELENIUM-CONTAINING RHENIUM CLUSTERS

**10:30–10:45 S. MAMMADOVA, N. LYADOV, A. ISRAFILOV,
S. ABDULLAYEVA, A. HUSEYNOV**

SYNTHESIS OF MWCNT_s FROM MIXTURE OF
XYLENE BY A-CVD METHOD

**10:45–11:00 M.A. RAMAZANOV, H.S. IBRAHIMOVA, F.V.
HAJIYEVA**

INFLUENCE OF ELECTROTHERMOPOLIZATION
CONDITIONS ON STRENGTH AND ELECTRET
PROPERTIES OF PP +ZrO₂ NANOCOMPOSITIONS

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11:00–11:15 Z.A. AGHAMALIYEV, G.KH. AZHDAROV
MODIFIED ZONE MELTING METHOD:
MODELLING OF COMPONENTS
CONCENTRATION DISTRIBUTION IN Ge-Si
SINGLE CRYSTALS

11:15–11:30 I.M. NURUYEV, A.M. MAHARRAMOV, R.N. MEHDIYEVA, M.A. NURIYEV
THE STRUCTURAL FEATURES OF P(VDF-
TeFE)/Si COMPOSITES MODIFIED BY GAMMA-RAYS

11:30–11:45 A.G. KAZIM-ZADA, V.M. SALMANOV, A.G. GUSEYNOV, R.M. MAMMADOV, A.A. SALMANOVA, N.D. DASHDAMIROVA
PHOTOVOLTAIC PROPERTIES OF In₂O₃-InSe-Pt
SYSTEM

11:45–12:00 M.M. TAGHIYEV, G.D. ABDINOVA
ELECTRICAL AND HEAT PROPERTIES OF
BULK NANOSTRUCTURED SAMPLES OF
Bi₈₅Sb₁₅ SOLID SOLUTION

12:00–12:15 *Coffee Break*

12:15–12:30 N.A. ABDULLAEV, KH.K. SHIRALIYEVA
CONFOCAL RAMAN MAPPING OF CdGa₂S₄
AND ZnGa₂S₄ CRYSTALS

12:30–12:45 SH.I. ISMAYILOV, N.M. ABDULLAYEV, V.A. ABDURAHMANOVA
THERMAL CONDUCTIVITY OF Sm_xSn_{1-x}Se
CRYSTALS AND MOBILITY OF CARRIERS

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12:45–13:00 SH.G. ASGAROV, L.K. ABDULLAYEVA, L.F. AGHAMALIEVA

INVESTIGATION OF THE MECHANISM OF
BREAKDOWN OF SCHOTTKY DIODES
DEPENDING ON THE METAL
MICROSTRUCTURE

13:00–14:00 Lunch

14:00–14:15 T.D. IBRAGIMOV, A.R. IMAMALIYEV, G.F. GANIZADE

INFLUENCE OF FULLERENES ON
THRESHOLD VOLTAGE, DIELECTRIC AND
CONDUCTIVITY PROPERTIES OF SMECTIC A
LIQUID CRYSTAL 10NF

14:15–14:30 M.A. JAFAROV, E.F. NASIROV, S.A. JAHANGIROVA, R. MAMMADOV, J.V. JAFAROV

NANOSTRUCTURED POROUS Si-
Cu₂ZnSnS₄ THIN FILMS

14:30–14:45 M.A. RAMAZANOV, J.R. SULTANOVA

THE STRUCTURE AND DIELECTRIC
PROPERTY STUDIES OF THE
NANOCOMPOSITES BASED ON
POLY(VINYLENE FLUORIDE) AND IRON
NANOPARTICLES

14:45–15:00 S. HASANOVA

SYNTHESIS OF TITANIUM DIOXIDE
NANOPARTICLES FOR PHOTOCATALYTIC
DEGRADATION OF COD IN WASTEWATER
UNDER ULTRAVIOLET IRRADIATION

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Thursday, May 03, 2019

Parallel Session(s)

Room: The main building of BSU, auditorium 316

Theoretical and Mathematical and High Energy Physics

Moderator(s)

PAVLE ASATIANI, RAUF JAFAROV

**10:00–10:15 S.D. DEMUKHAMEDOVA, U.A. HASANOVA,
I.N. ALIYEVA,
Z.O. GAKHRAMANOVA**

QUANTUM CHEMICAL STUDY OF THE SPATIAL AND
ELECTRONIC STRUCTURE OF A DIAZACROWNETHER
WITH H-LYS-LYS-OH DIPEPTIDE FRAGMENT IN THE
MACROCYCLIC RING

**10:15–10:30 A.G. RZAYEV, G.I. KALBALIYEV, S.R.
RASULOV**

ABOUT THE STRUCTURE OF ATOMIC NUCLEUS

10:30–10:45 A.L. KOZLOVSKIY, M.V. ZDOROVETS
THE EFFECT OF IRRADIATION WITH Fe^{7+} IONS ON THE
STRUCTURAL PROPERTIES OF TiO_2 FOILS

**10:45–11:00 S.G.ABDULVAHABOVA, N.SH.BARKHALOVA,
T.O.BAYRAMOVA**

STUDYING THE E2 TRANSITIONS IN NUCLEI USING THE
SUBGROUP $\text{SU}(5)$

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11:00–11:15 SH.SH. ALAKBAROV

ENERGY PROCESSES IN THE CASE OF
DISTRIBUTION BOLTZMAN IN GRAVITATIONAL FIELD

**11:15–11:30 M.M. YUSIFOVA, N.A. SULTANOVA, K.A.
HUSEYNOV**

SAGROPHYSICAL PROPERTIES OF GRAY-BROWN
IRRIGATED SOILS UNDER THE VEGETABLE CROPS OF
THE ABSHERON PENINSULA OF THE REPUBLIC OF
AZERBAIJAN

11:30–11:45 Z.A. SAMADOV

MICROTURBULENT VELOCITY IN THE ATMOSPHERES OF
F SPECTRAL CLASSES STAR

11:45–12:00 Coffee Break

12:00–12:15 Z.A. SAMADOV

INVESTIGATION OF THE ATMOSPHERE OF HR6978 (45Dra,
F7Ib) STAR

12:15–12:30 S.K. ABDULLAYEV, M.SH. GOJAYEV

HIGGS BOSON RADIATION IN ELECTRON-POSITRON
COLLISIONS

12:30–12:45 A.S. ALIFOV

Stability of thin plates with holes

12:45–13:00 SH.M. NAGIYEV

Confinement model of the Harmonic oscillator

13:00–13:15 I. BOYKO

Study of Higgs boson production in association with a single top
quark $pp \rightarrow tH$

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13:15–13:30 N. HUSEYNOV

SEARCH FOR THE ASSOCIATED PRODUCTION OF A HIGGS
BOSON AND A TOP QUARK PAIR IN MULTILEPTON

13:30–13:45 M.M. BASHIROV, N.S. DZHALILOV

SOME PARTICULAR SOLUTIONS OF THE MAGNETO-
DYNAMIC TRANSPORT EQUATIONS FOR ONE-FLUID
PLASMA OF ANISOTROPIC SOLAR WIND

13:45–15:00 Lunch

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Friday, May 03, 2019

Parallel Session(s)

Room: The main building of BSU, auditorium125

Theoretical Physics

Moderator(s)

ELDAR ALAKBAROV

10:00–10:10 T.H. ISMAYILOV, A.E. AHAD

ELECTRON GAS IN QUANTUM FILM WITH SPIN-ORBITAL RASHBA INTERACTION

10:10–10:20 SH.A. MAMMADOV, A.H. ASADOV, M.M. MAHMUDOV

NUCLEONS FORM-FACTORS IN ISOSPIN MEDIUM IN THE HOLOGRAPHIC QCD

10:20–10:30 K.M. MIKAYILOVA, Z. BULUDKHANLI

PHOTOMETRIC AND SPECTRAL REDSHIFTS IN THE STAR CH CYGNI

10:30–10:40 E.SH. ALAKBAROV, E.R. ALIZADA

USING INTERACTIVE COMPUTER MODELS IN THE STUDY OF PHYSICS AS A MEANS OF MOTIVATION OF STUDENTS

10:40–10:50 E.S. GARAYEV, N.M. ALVERDIYEVA

ELEMENTS OF PHYSICAL THEORIES IN THE COURSE OF INITIAL PHYSICS

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10:50–11:00 R.SH. RAHIMOV, T.A. ASLANOVA

SOME PECULIARITIES OF TEACHING OF THE PHYSICAL LAWS IN PHYSICAL COURSE OF SECONDARY SCHOOL

11:00–11:10 SH.A. MAMMADOV, G.C. SHAHVERDIYEVA

NUCLEON'S AXIAL CHARGE IN HOLOGRAPHIC QCD

11:10–11:20 S.R. FIGAROVA, G.R. ALIYEVA

DEPENDENCE OF THERMODYNAMIC MAGNITUDES ON ASYMMETRICAL QUANTUM WELL PARAMETERS

11:20–11:30 S.G. ABDULVAHABOVA, G.V. GULIYEVA

POLARIZATION THE HADRONS IN NUCLEAR SCATTERING PROCESSES

11:30–11:40 A.K. ORUJOV, G.Y. MANSUROVA

ROLE OF PHYSICS IN ORGANIZATION OF ECOLOGICAL TRAINING

11:40–12:00 *Coffee Break*

12:00–12:10 Y.G. NURULLAYEV, T.M. GASIMZADE

DIDACTIC FUNCTION OF PHYSICAL EXPERIMENT IN THE SCHOOL PROGRAM OF PHYSICS

12:10–12:20 F.H. PASHAYEV, A.G. HASANOV, F.K.

GULIYEVA

CALCULATION OF KINETIC ENERGIES OF THE ELECTRONS AND POTENTIAL ENERGY OF THE ATOMS WITH OPEN ELECTRONIC SHELLS ON THE BASE OF SLATER-TYPE ATOMIC ORBITALS

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12:20–12:30 S.A. MAMMADOV, H.M. MAMMADLI

COUPLING CONSTANT OF OCTET BARYONS WITH THE VECTOR MESON FROM THE HARDWALL AdS/QCD MODEL

12:30–12:40 S.G. ABDULLAYEV, H.Z. GULUZADA

HIGGS DECAY INTO h AND z BOSONS

12:40–12:50 A.K. ORUJOV, U.R. HUSEYNLI

TEACHING METHOD OF DISCRETENESS OF THE ELECTRIC CHARGE

12:50–13:00 N.S. NABIYEV, S.M. ISRAFILOVA

SPATIAL STRUCTURE AND STABILIZATION CHARACTERISTICS OF METAL ION AND WATER MOLECULES (Semiempirical electrostatic model).

13:00–14:00 Lunch

14:00–14:10 I.R. GADIROVA, K.N. NAJAFOVA

INTERBAND LIGHT ABSORPTION IN SEMICONDUCTOR QUANTUM WELL

14:10–14:20 M.M. MAHMUDOV, KH.S. SALAHLI

ELECTRICAL CONDUCTIVITY IN SUPERLATTICES IN A QUANTIZED MAGNETIC FIELD AT A SCATTERING OF CHARGE CARRIERS BY IMPURITY IONS

14:20–14:30 A.K. ORUJOV, L.G. AMIRALIYEVA

TEACHING METHODOLOGY OF POLYTECHNIC TRAINING IN ACCORDANCE WITH SOCIETY'S REQUIREMENTS

14:30–14:40 N.A. RAHIMOVA, L.V. GULIYEVA

EXCITONS IN ABSORPTION AND PHOTOCONDUCTIVITY OF SINGLE CRYSTAL OF $TlGaSe_2$

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14:40–14:50 J.N. RUSTAMOV, L.V. AHMADLI

LINE H_{α} IN THE SPECTRUM OF A STAR HD 206267

14:50–15:00 V.V. DADASHOVA, İ.V. MUTALLIBOVA

SCIENTIFIC-METHODOLOGICAL ANALYSIS OF
MOLECULAR PHYSICS IN MODERN SCHOOL PHYSICS

15:00–15:10 S.G. ABDULLAYEV, N.A. ALIZADA

HIGGS DECAY INTO h^- AND W-BOSONS

15:10–15:20 S.R. FIGAROVA, N.A. NAZARLI

TRANSVERSE NERNST-ETTINGSHAUSEN EFFECT OF
QUANTUM FILM IN QUANTIZED MAGNETIC FIELD

15:20–15:30 T.H. ISMAYILOV, N. S. EYVAZOVA

FARADAY ROTATION IN SEMICONDUCTOR QUANTUM
FILM

15:30–15:40 Z.A. SAMADOV, P.A. MAMMADLI

DETERMINATION OF ELEMENT ABUNDANCE OF THE
STAR HD 203574 (G5III)

15:40–15:50 T.H. ISMAYILOV, G. N. GASIMOVA

FARADAY ROTATION IN SEMICONDUCTOR QUANTUM
WIRE

**15:50–16:00 F.H. PASHAYEV, A.G. HASANOV, S.G.
RAHIMZADA**

DETERMINATION OF POTENTIAL PARAMETERS OF BeH
AND CH MOLECULES

16:00–16:10 Z.F. ALIYEVA, N.I. RZAYEVA

CHANGES OF WIDTHS OF CORONAL LINES

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16:10–16:20 T.H. ISMAYILOV, S.I. ZEYNALOVA

ELECTRONIC RAMAN SCATTERING FROM SURFACE OF SEMICONDUCTOR NANOTUBE

16:20–16:30 S.R. FIGAROVA, S.K. ALIAHMADLI

FIELD DEPENDENCE OF NERNST-ETTINGSHAUSEN TRANSVERSE EFFECT IN SUPERLATTICES FOR ACOUSTIC PHONON SCATTERING

16:30–16:40 A.S. GULIYEV, S.N. BAGHIROVA

SPECTROPHOTOMETRIC CHARACTERISTICS OF FRAUNHOFER LINES IN THE SPECTRUM TOTAL FLUX FROM THE WHOLE SOLAR DISK

16:40–16:50 M.M. MAHMUDOV, S.N. PANAHOV

CALCULATIONS OF SOME THERMODYNAMIC MAGNITUDES IN SIZE-QUANTIZED DILUTED MAGNETIC SEMICONDUCTOR FILM

16:50–17:00 K.I. ALISHEVA, N.M. MAMMADOVA

HI AND HII REGIONS IN PLANETARY NEBULAE

17:00–17:10 A.I. AHMADOV, R.A. ZEYNALABDINLI, E.A. DADASHOV

HIGHER TWIST EFFECTS IN PHOTON-PHOTON COLLISION

17:10–17:20 A.I. AHMADOV, R.A. ZEYNALABDINLI

THE INCLUSIVE PRODUCTION OF PION IN ELECTRON-POSITRON COLLISIONS

17:20–17:30 SH.V. SHUKURLU, N.M. NASRULLAYEV

WRITING ASSESSMENT CRITERIA

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17:30–17:40 M.R. RAJABOV, Z.I. HASHIMLI

**EVOLUTION OF POLARIZED ELECTRON-PHOTON SHOWER
IN CRYSTALS WITH VARIOUS INITIAL CONDITIONS**

17:40–17:50 L.A. AGHAMALIYEVA, G.A. MAMMADLI

CURRENT STATE IN REGGE'S THEORY

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Friday, May 03, 2019

Parallel Session(s)

Room: The main building of BSU, auditorium 335

Applied Physics

Moderator(s)

ARIF ORUJOV

10:00–10:10 H.B. IBRAHIMOV, L.A. EYVAZOVA

ABSORPTION OF LIGHT BY FREE CHARGE CARRIERS
WITH THE PARTICIPATION OF PHONONS IN A QUANTUM
WIRE

10:10–10:20 G.I. GARIBOV, M.R. HAJIYEVA

INVESTIGATION OF STRATS IN ARGONE GAS

10:20–10:30 G.J. ABBASOVA, N.H. HASHIMOVA

SPATIAL STRUCTURAL ORGANIZATION OF THE TYR-ALA-
GLY-ALA-VAL-VAL-ASN-ASP-LEU MOLECULE

10:30–10:40 N.F. GAHRAMANOV, İ.E. VAHABLI

PREPARATION OF GRADED DISTRIBUTION OF
COMPOSITION THROUGHOUT THE BINARY SOLID
SOLUTION MONOCRYSTALS

10:40–10:50 L.H. HASANOVA, T.E. MAHAMMADLI

FEATURES OF PHOTOCONDUCTIVITY IN $\text{Cu}_3\text{In}_5\text{S}_9$ SINGLE
CRYSTALS

10:50–11:00 H.M. MAMMADOV, S.A. JAFAROV

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**ELECTRICAL AND PHOTOELECTRICAL PROPERTIES OF
HETEROJUNCTIONS p-Si/Cd_{1-x}Zn_xO**

11:00–11:10 S.B. ORUJOVA, SH.SH. ALAKBAROV
**ELECTROPHYSICAL PROPERTIES OF COMPOSITE
MATERIAL OF POLYSTYRENE + Al₂O₃ RADIATED BY UV**

11:10–11:20 B.B. DAVUDOV, S.A. ABDURAHMANOVA
**IMPULSE PLASMA TECHNOLOGY IN THE GROWTH OF
THIN FILM MATERIALS OF SILLENITE STRUCTURED
COMPOUNDS**

11:20–11:30 M.A. JAFAROV, A.SH. ASGAROVA
PHOTOELECTRIC PROPERTIES ZnS:Co (Cr) THIN FILMS

11:30–11:40 G.M. MEMMADLI, M.B. MURADOV
**EFFECT OF ELECTROLYTE CONCENTRATION ON THE
OPTICAL PROPERTIES OF CdS NPs**

11:40–12:00 *Coffee Break*

12:00–12:10 G.A. BABAYEVA, B.B. DAVUDOV
**EROSION OF THE ANOD SURFACE IN PULSE PLASMA
EVAPORATOR**

12:10–12:20 M.N. AGAYEV, G.A. MURADOVA
**DYNAMICS OF DISCHARGE DEVELOPMENT IN LONG
TUBE WITH VARIABLE DISTRIBUTED CAPACITY**

12:20–12:30 I.M. AFANDIYEVA, H.G. SOLTANOVA
**INFLUENCE OF HEAT TREATMENT ON CHARACTERISTICS
OF Al/N-Si SCHOTTKY DIODES**

12:30–12:40 A.H. KAZIM-ZADA, I.T. MAMMADOVA

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**ABSORPTION AND LUMINESCENCE OF GALLIUM
SELENIDE UNDER THE ACTION OF LASER RADIATION**

12:40–12:50 V.M.SALMANOV, L.R. AHMEDZADA
INFLUENCE OF THE INTENSITY OF LASER RADIATION ON
THE EDGE OF THE ABSORPTION BAND GALLIUM
SELENIDE

12:50–13:00 M.A. JAFAROV, M.H. HASANOVA
ELECTRONIC AND OPTICAL PROPERTIES OF ZnSSe (Mn)
NANOCRYSTALS

13:00–14:00 Lunch

14:00–14:10 A.G. HUSEYNOV, G.G. NASIROV
OBTAINING PHOTSENSITIVE THIN FILMS OF
COMPOUND $AgIn_5Se_8$

14:10–14:20 P.M. ZEYNALLI, E.M. HUSEYNOV
RADIATION DEFECTS INVESTIGATION OF NANO SILICA
(SiO₂) PARTICLES USING EPR METHOD

14:20–14:30 S.A. JAHANGIROVA, SH.SH. ALIYEVA
CdS/Cu₂ZnSnS₄ STRUCTURE FOR SOLAR CELLS

14:30–14:40 N.F. GAHRAMANOV, S.P. ALAKBAROVA
ELIMINATE SOME DIFFICULTIES WHILE OBTAINING Ge-Si
BINAR SOLID SOLUTION MONOCRYSTALS

14:40–14:50 A.H. HUSEYNOVA, F.V. HAJIYEVA
DIELECTRIC PROPERTIES OF NANOCOMPOSITES ON THE
BASE OF POLYVINYLCHLORIDE (PVC) AND MAGNETITE
NANOPARTICLES (Fe₃O₄).

International Conference on MODERN TRENDS IN PHYSICS
dedicated to the 100th anniversary of Baku State University
May 01-03, 2019, Baku

14:50–15:00 F.V. HAJIYEVA, A.H. HUSEYNOVA
THERMAL PROPERTIES OF MAGNETIC POLYMER
NANOCOMPOSITES BASED ON PVC+Fe₃O₄.

15:00–15:10 A.G. HUSEYNOV, R.E. TAGHIYEVA
THE IMPURITY STATE OF PROPER DEFECTS IN $Ag_3In_5Se_9$

15:10–15:20 D.N. PIRIYEVA
TOWARD REDUCE OF THE LANDAU GHOST POLE IN
QUANTUM THEORY

15:20–15:30 A.Z. ABASOVA, S.M. MEHDIYEVA
ELECTRICAL CONDUCTIVITY OF CuInS₂
CRYSTAL IRRADIATED BY THE γ -QUANTUMS

15:30–15:40 H.B. İBRAHIMOV, F.V. SAFARLI
LUMINESCENCE PROPERTIES OF CdS:Cu (Mn)
NANOPARTICLES