

**The 10th International Workshop on
Ring Imaging Cerenkov Detectors
(RICH 2018)**

July 29 – August 4, 2018

2nd bulletin

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1 General information

The 10th International Workshop on Ring Imaging Cherenkov Detectors (RICH 2018) will take place in Moscow, Russia from July 29 – August 4, 2018. The Workshop will present the “state of the art” and the future developments in Cherenkov light imaging techniques for applications in High Energy Physics, Nuclear Physics and Astroparticle Physics.

2 Scientific Programme

The Workshop will have plenary sessions with invited talks giving a broad overview of the topics of the Workshop and selected contributed talks on more specific subjects of general interest.

There will be plenty of space for poster contributions which can be visited throughout the Workshop. Dedicated poster sessions will be held to give participants the opportunity to meet the authors.

2.1 Oral Presentations

The speaker must be an author of the presented paper. The Workshop language is English.

The talks must be presented on a computer video projector (beamer). Any contribution for the beamer must be a file of the following formats:

- Microsoft PowerPoint (ppt or pptx)
- Adobe Acrobat (pdf)

The presentation file must be uploaded to the conference management system (Indico) in due time before the talk.

2.2 Poster Presentations

The maximum width for a poster is 95 cm. A standard height of 119 cm and the A0 format ($84 \times 119 \text{ cm}^2$) or the 4×4 US Letter format ($34'' \times 44''$) are suggested. At least one author of the poster must participate in the Workshop and must be present at the poster session.

2.3 Timetable

See the appendix at the end of the bulletin.

3 Social Programme

The following social events are offered to all registered participants and accompanying persons:

- **Welcome drink** on Monday, July 30, at 18:30 (Russian Academy of Science Main Building).
- **Concert** on Wednesday, August 01, at 19:00 (P.N. Lebedev Physical Institute of the RAS Main Building).
- **Bus tour to Zvenigorod** on Thursday, August 02, from 09:00, lunch included (gathering point to be announced).
- **Workshop dinner** on Thursday, August 02, at 18:00 (gathering point to be announced).
- **Bus tour to Moscow & visit to Kremlin** on Saturday, August 04, starting from 14:00 (gathering point to be announced).

Workshop operator MESOL LLC can also offer other excursions upon request. Please do not hesitate to contact it directly.

4 Important dates

- **June 15, 2018** – deadline for the Russian visa application.
- **June 30, 2018** – deadline for the early fee payment.
- **July 20, 2018** – deadline for the registration.
- **July 29, 2018 – August 4, 2018** – the RICH Workshop.
 - **July 29, 2018** – early registration.
 - **July 30, 2018 – August 4, 2018** – scientific sessions.
- **October 15, 2018** – deadline for proceedings submission.

5 Fee

The Workshop fee is **28 000 Russian rubles** (\sim €380). For the early payment (till June 15, 2018) the fee is reduced to **24 000 Russian rubles** (\sim €330).

The Workshop fee covers the participation at all the scientific sessions, the Workshop kit, coffee breaks, welcome drink, concert, excursion, and the Workshop dinner as well as a copy of the proceedings.

The fee for the accompanying persons is **10 000 Russian rubles** (\sim €150). It covers welcome drink, concert, excursions, and the Workshop dinner.

The support by the Russian Academy of Sciences allows Organizing Committee to reduce the fee for employees of Russian institutes and universities to **10 000 Russian rubles**. Students of Russian universities can attend the scientific sessions without paying the registration fee.

The payments are collected by the authorized official Workshop operator MESOL LLC. The payment is to be done in advance via credit card or the bank transfer. A link to the payment page is provided at the Indico area of the Workshop site for registered users. As an exception payment in cash (Russian rubles only) could be accepted at the first day of the Workshop. In such a case the Organizing Committee must be notified in advance.

6 Accommodation

The majority of the Workshop events will be held at the Russian Academy of Sciences Main building. Address: Leninsky Prospekt, building 32A.

It is situated near (700 m) Leninsky Prospekt metro station and Ploschad Gagarina MCC station.

6.1 Recommended hotels

There are several options of accommodation in the vicinity of the Workshop venue. A number of rooms in two hotels are booked by Workshop operator MESOL LLC at special prices for the Workshop participants.

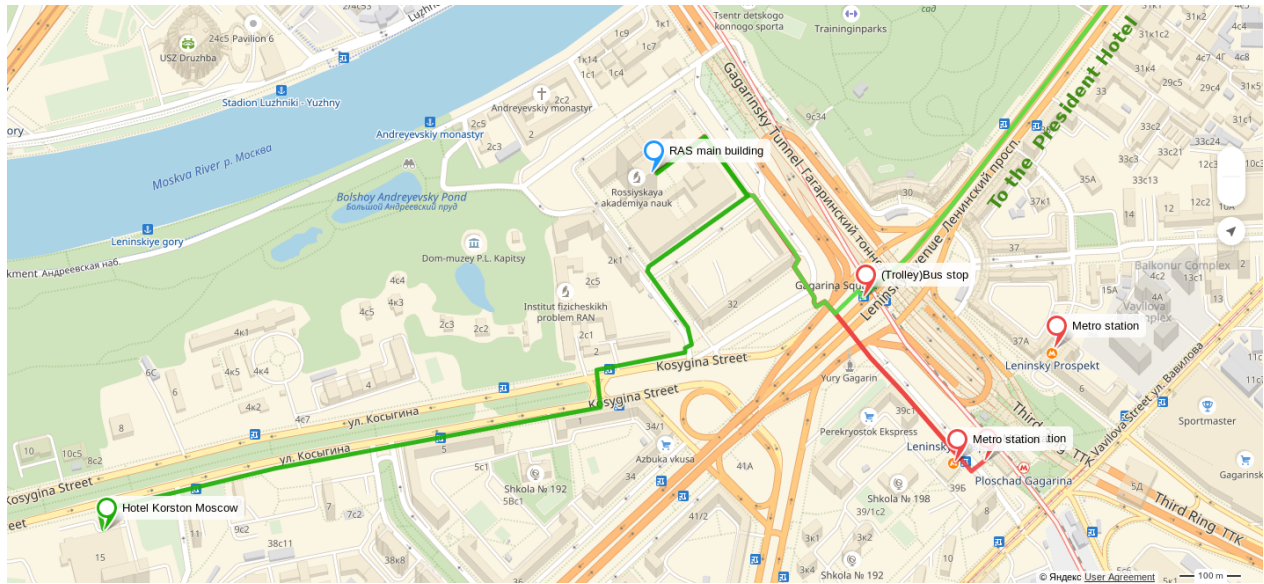


Figure 1: Map of the recommended Workshop hotel, Workshop site and its surroundings.

Hotel Korston Moscow **** The only hotel within a walking distance (1.4 km) to the Workshop site is Hotel Korston Moscow (<http://booking.com> review score: 8.0). It has been designated as the “Workshop Hotel”.

Address: Kosygina Street, 15.

Superior room, single accommodation: 5 900 rubles (€79)

Superior room, double accommodation: 7 200 rubles (€96)

Breakfast is included in the room rate.

President Hotel **** President Hotel (<http://booking.com> review score: 8.5) is situated in the center of Moscow within the walking distance to Kremlin and major Moscow points of interest. The transportation to/from the Venue by Workshop buses will be provided. The bus ride takes ~20 minutes.

Address: Bolshaya Yakimanka Street, 24.

Standard room, single accommodation: 4 400 rubles (€59)

Deluxe room, single accommodation: 4 950 rubles (€66)

Deluxe room, double accommodation: 5 850 rubles (€78)

Breakfast is included in the room rate.

6.2 Booking rules

Please note that MESOL LLC requires prepayment of the hotel by July 1, 2018. Alternatively you can book the hotel via <http://booking.com> with free cancellation.

To book one of the above options, please fill the Accommodation section in your Registration form. If you need a help to book another category of room/another hotel (according to your budget or preferable location), do not hesitate to contact the the Workshop coordinator and MESOL LLC will send you all requested information. Please be informed that the number of booked rooms is limited. MESOL reserves the right to change the price or availability of hotels/rooms.

MESOL LLC cancellation policy. Cancellation of accommodation without penalty is possible till 12:00 (Moscow time) July 1, 2018. In case of late cancellation, including non-arrival, the penalty will be 100% of the room rate for the entire period of booking. Change of the period of accommodation without penalty is possible till July 10, 2018, otherwise a penalty for 1 unclaimed night.

MESOL LLC payment rules. Accommodation should be paid in full till July 1, 2018 (by credit card or bank transfer). In case of payment not received to the specified date, all unpaid numbers/nights will be cancelled.

6.3 Further hotel options

There are many hotels that may be of better quality/value for money but staying there requires to use public transportation (which is very efficient, fast and cheap in Moscow).

You can see the recommended hotels below and make a reservation via the online booking. Please refer to the [Workshop website](#) to get the detailed information including maps *etc.*

Hotel	Rating	Price per night (as of May 2018)	booking.com review score	Transportation to the venue
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Hotel Korston Moscow (for comparison)	****	from €88	8.0	1.4 km walk
President Hotel (for comparison)	****	from €96	8.5	310 m walk + 10 stops by trolley (13 minutes) or 4 stops by express bus + 550 m walk
Novotel Moscow City	****	from €69	8.7	470 m walk + 3 stops by MCC (8 minutes) + 900 m walk
Blues Hotel	***	from €73	9.2	590 m walk + 1 stop by MCC (3 minutes) + 900 m walk

Warsaw Hotel	***	from €62	8.0	190 m walk + 7 stops by bus, trolley (8 minutes) or 2 stops by express bus + 550 m walk
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7 Transportation

Moscow is easily accessible by plane from the most major cities all over the world. There are three main international airports in Moscow: [Sheremetyevo International Airport](#), [Domodedovo International Airport](#), and [Vnukovo International Airport](#).

7.1 From/to airports

All airports are situated 10-20 km away from the city borders. There are several ways how to get Moscow from airports:

1. Most of the Hotels, recommended at our site, can provide from/to airport transfer. Please contact the hotel after your booking to ask for your meeting at the airport.
2. You can book transfer with the company MESOL – the organizational partner of the RICH 2018 Workshop. The driver holding the plate with your name will meet you at the airport hall after you exit the customs area. The price is 2 500 rubles (~€35).
3. You can take a taxi (Yandex / Uber companies are highly recommended) by calling from a special stand / special desk at the airport or by downloading the application to your smartphone (roaming in Russia in the

later case is required). Cars arrive in 5-10 minutes. The trip cost depends on the expected time of the trip and varies in the interval 1 200 – 1 800 rubles ($\sim\text{€}20\text{-}28$). The price is fixed before your journey: it is either shown at the screen or told by operator.

4. The cheapest, but easy and comfortable way is to take Aeroexpress train. The high-speed trains run to one of railway station in the city center. Travel time is about 35 minutes (47 minutes from Vnukovo airport). The interval between trains departures is 30 minutes (1 hour from Vnukovo airport). Tickets cost 500 rubles ($\sim\text{€}7$) and can be purchased at ticket windows, ticket machines or at turnstiles. If you buy a ticket at the company's website (printed or saved at smartphone ticket with QR code is required) or with the mobile app, the cost is 420 rubles ($\sim\text{€}6$). The working hours are from 6 AM till midnight.
5. Also you can take regular buses or express buses from airport to metro station: from Sheremetyevo airport to Rechnoy Vokzal (Line 2) and Planernaya (Line 7) metro stations; from Domodedovo airport to Domodovskaya (Line 2) metro station, and from Vnukovo airport to Salaryevo, Tropar'yovo and Yugo-Zapadnaya metro stations (Line 1).

Tips and tricks:

- You can pay using your credit card both for Aeroexpress and metro tickets, however at least small amount of Russian rubles in cash is desirable.
- Items 3 (taxi) and 5 (bus) will require to pay in cash in Russian rubles.
- Foreign currency exchange offices at the airport have exorbitant exchange rates compared to the offices in the city. It is better to get cash from ATMs (however you have to pay a commission, charged by your bank).
- We **strongly recommend not to use** the services of non-official taxi carriers. There are lots of drivers offering their services, please do realize that taking them you can end paying much more than expected.

7.2 Transportation in Moscow

The nearest Metro/MCC station to the conference site is Leninsky Prospekt/Ploschad Gagarina.

The Metro is the easiest and the most reliable way get around Moscow. Its layout is quite simple. Radial lines, which cut across the city in most directions, are joined together by a circular line, which also joins together the city's largest railway stations. Transport system also includes monorail and Moscow Central Circle (MCC). Each radial line has its own name, number and color on the metro map, and you can get from practically any station to another one with a maximum of three transfers.

To pay for your ride, buy a smart-card (“Ediniy” or “Troika”) from a cashier or ticket vending machines in the metro (MCC) station vestibule.

Recline smart-card to a yellow circle on the automatic gates, when green light is on or displays the number of remaining trips – pass through the gate. No matter how long you ride is or how many transfers you make, you pay no extra fee.

To help you find your way, there are several multicoloured [metro maps](#) in every car, and a loud speaker that announces the name of the station at every stop. The doors open and close automatically. There is a first-aid station and police post at every station. For information you can turn to any metro employee – they wear blue uniforms and red hats.

Mobile communication (GSM) works at stations of the Moscow underground. Free Wi-Fi (“MT_Free”) available in trains.

The Metro starts work at 06:00 AM, but stations open at 05:30–05:40 AM. At 01:00 AM the entrances close and passengers must complete their transfers. Last train leaves also at 01:03 AM.

Moscow Central Circle (MCC, Line 14) works from 05:45 AM to 00:30 AM every day. Transfer from metro to MCC (and back) is free for 90 minutes from the first enter.

Fares information (since January 2nd, 2018) could be found at [metro site](#).

7.3 Airport Transfer

Workshop operator MESOL LLC can arrange the transfer from the airport to your hotel and back. Prices are for one way ride.

- **Comfort class car** (up to 3 passengers) Volkswagen Jetta, Ford Focus, Mazda 3, *etc.* **2 500 rubles (~€34)**
- **Business class car** (up to 3 passengers) Nissan Tiana, Toyota Camry, Ford Mondeo, *etc.* **3 200 rubles (~€43)**
- **Minibus** Hyundai Starex, Volkswagen Transporter, Mercedes Sprinter **upon request.**

To book one of the above options, please fill the Transfer section in your Registration form.

Cancellation policy. Cancellation without penalty is possible till 12:00 (Moscow time) July 1, 2018. In case of late cancellation payment will not be returned.

Payment. All services should be paid completely till July 1, 2018. In case of payment not received to the specified date, all unpaid services will be canceled.

8 Proceedings

The Workshop proceedings will be published by Elsevier in “Nuclear Instruments and Methods in Physics Research, Section A” journal.

The deadline for the proceeding submission is October 15, 2018.

9 Contacts

Organizing Committee

E-mail: rich.2018.conference@gmail.com
WWW: <http://rich2018.org>
Post address: P.N. Lebedev Physical Institute
of the Russian Academy of Sciences
53 Leninskiy Prospekt
119991, Moscow
Russia

MESOL LLC Coordinator of the Workshop (travel services and payments):

Stegalin Stanislav

Phone: +7 495 943-60-60

Mobile: +7 985 960-12-09

E-mail: stas@mesol.ru

10th International Workshop on Ring Imaging Cherenkov Detectors

Sunday, 29 July 2018 - Saturday, 4 August 2018

Russian Academy of Sciences

Programme

Monday 30 July 2018

Registration (at the Workshop site) (08:00-08:45)

Welcome (08:45-09:00)

Cherenkov light imaging in particle and nuclear physics experiments (30 Jul 2018, 09:00-10:55)

-Conveners: Harnew, Neville (University of Oxford); Iijima, Toru (Nagoya University)

time	title	presenter
09:00	Cherenkov light imaging in particle and nuclear physics experiments	PAPANESTIS, Antonios (STFC - RAL)
09:40	Initial performance of Aerogel RICH detector in Belle II experiment	KINDO, Haruki (SOKENDAI)
10:05	The TOP counter of Belle II: status and first results	TAMPONI, Umberto (INFN Torino)
10:30	The LHCb RICH detectors: operations and performance	GAMBETTA, Silvia (University of Edinburgh)

Coffee break (10:55-11:25)

Cherenkov light imaging in particle and nuclear physics experiments (30 Jul 2018, 11:25-12:40)

-Conveners: Harnew, Neville (University of Oxford); Iijima, Toru (Nagoya University)

time	title	presenter
11:25	The Hybrid MPGD-based photon detectors of COMPASS RICH-1	TESSAROTTO, Fulvio (INFN Trieste)
11:50	The Large-area Hybrid-optics CLAS12 RICH: Assembling, Commissioning and First Data-taking	MIRAZITA, marco (INFN Laboratori Nazionali di Frascati)
12:15	The RICH detector of the NA62 experiment at CERN	CENCI, Patrizia (INFN Perugia (IT))

Lunch (12:40-14:00)

Cherenkov detectors in astroparticle physics (30 Jul 2018, 14:00-15:55)

-Conveners: Hallewell, Gregory (Centre de Physique des Particules de Marseille (CNRS/IN2P3)); Hofmann, Werner (Max Planck Institute for Nuclear Physics)

time	title	presenter
14:00	Cherenkov light imaging in Astroparticle Physics	KATZ, Uli (ECAP / University of Erlangen)
14:40	The AMS-02 RICH detector: status and physics results	GIOVACCHINI, Francesca (CIEMAT)
15:05	Status and Prospects for the IceCube Neutrino Observatory	WILLIAMS, Dawn (University of Alabama)
15:30	Neutrino astronomy and oscillation research in the Mediterranean: ANTARES and KM3NeT	CHIARUSI, Tommaso (INFN & Bologna University)

Coffee break (15:55-16:25)

Cherenkov detectors in astroparticle physics (30 Jul 2018, 16:25-18:30)

-Conveners: Hallewell, Gregory (Centre de Physique des Particules de Marseille (CNRS/IN2P3)); Hofmann, Werner (Max Planck Institute for Nuclear Physics)

time	title	presenter
16:25	Extending the Observation Limits of Imaging Air Cherenkov Telescopes Toward Horizon	MIRZOYAN, Razmik (Max-Planck-Institute for Physics)
16:50	Cherenkov water detector NEVOD and its further development	PETRUKHIN, Anatoly (MEPhI)
17:15	Cherenkov EAS arrays in Tunka Astophysical Center: from Tunka-133 to TAIGA gamma- and cosmic-ray Hybrid Installation	KUZMICHEV, Leonid (SINP MSU)
17:40	Status of the Large Size Telescopes and Medium Size Telescopes for the Cherenkov Telescope Array Observatory	BARRIO, Juan Abel (Universidad Complutense de Madrid)
18:05	Status and perspectives of the Small Size Telescopes for the Cherenkov Telescope Array southern Observatory	HELLER, Matthieu (University of Geneva)

Welcome drink (18:30-21:00)

Tuesday 31 July 2018

Cherenkov detectors in astroparticle physics (31 Jul 2018, 09:00-10:15)

-Conveners: **Hallewell, Gregory** (Centre de Physique des Particules de Marseille (CNRS/IN2P3)); **Hofmann, Werner** (Max Planck Institute for Nuclear Physics)

time	title	presenter
09:00	Very High Energy Astrophysics with the SHALON Cherenkov Telescopes	SINITSYNA, Vera Georgievna (P.N. Lebedev Physical Institute, RAS) SINITSYNA, Vera Yurievna (P.N. Lebedev Physical Institute, RAS)
09:25	Cherenkov detection at the Pierre Auger Observatory	MARIS, Ioana (Université Libre de Bruxelles)
09:50	Recent results and future prospects of Super-Kamiokande	TAKEUCHI, Yasuo (Dept. of Physics, Grad. School of Science, Kobe University)

Photon detection for Cherenkov counters (31 Jul 2018, 10:15-10:55)

-Conveners: **Kravchenko, Evgeniy** (NSU/BINP); **Di Mauro, Antonello** (CERN)

time	title	presenter
10:15	Status and perspective of gaseous photon detectors	VELOSO, João (i3n, Physics Department, University of Aveiro)

Poster Session (31 Jul 2018, 10:55-11:25)

title	presenter	board
Quasi-spherical modules for Cherenkov water detectors (30 minutes)	KHOMYAKOV, Vasilii (National Research Nuclear University MEPhI (Moscow Engineering Physics Institute), Russia)	
Fast LED based imitators of Cherenkov and scintillation light pulses. (30 minutes)	LUBSANDORZHIEV, Sultim (Institute for Nuclear Research of the Russian Academy of Sciences)	
Development of a web monitor for the water Cherenkov detectors array of the LAGO project. (30 minutes)	SIDELNIK, Ivan (CONICET - Instituto Balseiro)	
Developments of a mirror supporting frame, mounting scheme and alignment monitoring system of the CBM RICH detector (30 minutes)	BENDAROUACH, Jordan (Justus Liebig University (Gießen))	
Development of alignment algorithm for Belle II Aerogel RICH counter (30 minutes)	TAMECHIKA, sachi	
Lage Area Thin Scintillating Counters as Charge Particles Identification Detector (30 minutes)	GORIN, Alexander (NRC "Kurchatov Institute" – IHEP) KOVALEV, Viktor (NRC "Kurchatov Institute" – IHEP) RYKALIN, Vladimir (NRC "Kurchatov Institute" – IHEP)	
Prospects for future upgrade of the LHCb RICH system (30 minutes)	EASO, Sajan (STFC - UKRI Rutherford Appleton Lab. (GB))	

Measurement of the p-terphenyl decay constant using WLS coated H12700 MAPMTs and the fast FPGA based CBM/HADES readout electronics* (30 minutes)	WEBER, Adrian (Justus-Liebig-Universität Gießen) BENDAROUACH, Jordan (Justus Liebig University (Gießen))	
Front end Electronics of the Compact High Energy Camera (CHEC) (30 minutes)	LAPINGTON, Jon (University of Leicester) LEACH, Steven (University of Leicester)	
Strategy and Automation of the Quality Assurance Testing of MaPMTs for the LHCb RICH Upgrade (30 minutes)	GIZDOV, Konstantin (University of Edinburgh)	
Neutron detection capabilities of Water Cherenkov Detectors (30 minutes)	SIDELNIK, Ivan (CONICET - Instituto Balserio)	
Measuring the Cherenkov light yield from cosmic ray muon bundles in the water detector (30 minutes)	KOKOULIN, Rostislav (MEPhI)	
Silica aerogel radiator for the Belle II ARICH system (30 minutes)	TABATA, Makoto (Chiba University)	
Optimization of electromagnetic and hadronic extensive air showers identification using muon detectors of TAIGA experiment. (30 minutes)	VAIDYANATHAN, Arun (NSU)	
Characterization of SiPMs for Cherenkov light detection (30 minutes)	PESTOTNIK, Rok (Jožef Stefan Institute)	
Preparing the ALICE-HMPID for the High-Luminosity LHC period 2021-2023 (30 minutes)	DE CATALDO, giacinto (INFN bari Italy and CERN CH)	
The production of the large scale aerogel radiators for use in the Ring-imaging Cherenkov detectors (30 minutes)	KATCIN, Alexander (Budker Institute of Nuclear Physics of Siberian Branch Russian Academy of Sciences)	
Fully digital readout and trigger for fast Cherenkov counters (30 minutes)	SEREBRYAKOV, Dmitry (INR RAS)	
Cherenkov Detectors Fast Simulations Using Neural Networks. (30 minutes)	DERKACH, Denis (NRU-HSE)	
Cascade showers in the Cherenkov light in water (30 minutes)	KHOKHLOV, Semyon (National Research Nuclear University MEPhI (Moscow Engineering Physics Institute))	
A Likelihood Method for the NA62 RICH (30 minutes)	ENGELFRIED, Jurgen (Universidad Autonoma de San Luis Potosi, Mexico)	
Development of medium and small size photomultipliers for Cherenkov and scintillation detectors in astroparticle physics experiments. (30 minutes)	SIDORENKOV, Andrey (Institute for Nuclear Research of the Russian Academy of Science)	
Front end electronics of the Belle II Aerogel Ring Imaging detector (30 minutes)	PESTOTNIK, Rok (Jožef Stefan Institute)	
Charged particle identification with the liquid Xenon calorimeter of the CMD-3 detector (30 minutes)	IVANOV, Vyacheslav (Budker Institute of Nuclear Physics)	
Analog-to-digital converter and DAQ system intellectual controller for PMT used very high energy astrophysics experiments (30 minutes)	MOSEIKO, Nikolai Ivanovich (P.N. Lebedev Physical Institute, RAS; NRC«Kurchatov Institute») KLIMOV, Anatolii Ivanovich (P.N. Lebedev Physical Institute, RAS; NRC«Kurchatov Institute»)	

Operational status of the Belle II Time-Of-Propagation counter readout and data acquisition system (30 minutes)	MAEDA, Yosuke (KMI, Nagoya University)	
Pinhole camera for study of atmospheric UV flashes and background at high altitud (30 minutes)	PONCE, Epifanio (University of Puebla)	
Novel NanoDiamond based photocathodes for gaseous detectors (30 minutes)	CHATTERJEE, Chandradoy (University Of Trieste/INFN Trieste)	

Coffee break (10:55-11:25)**Photon detection for Cherenkov counters (31 Jul 2018, 11:25-12:40)**

-Conveners: Kravchenko, Evgeniy (NSU/BINP); Di Mauro, Antonello (CERN)

time	title	presenter
11:25	Photosensors and Front-end Electronics for the Hyper-Kamiokande Experiment	ZIEMBICKI, Marcin (Warsaw University of Technology)
11:50	Study on the double micro-mesh (DMM) gaseous structure as a photon detector	SHAO, Ming
12:15	Performance and commissioning of HAPDs in the Aerogel RICH counter	YONENAGA, Masanobu (Tokyo Metropolitan University)

Lunch (12:40-14:00)**Photon detection for Cherenkov counters (31 Jul 2018, 14:00-15:55)**

-Conveners: Kravchenko, Evgeniy (NSU/BINP); Di Mauro, Antonello (CERN)

time	title	presenter
14:00	Optimized MPGD-based photon detectors for high momentum particle identification at the Electron-Ion Collider.	DASGUPTA, Shuddha Shankar (Post Doc researcher)
14:25	Single photon detection with the multi-anode CLAS12 RICH detector	CONTALBRIGO, Marco (INFN Ferrara)
14:50	Status and perspectives of solid state photon detectors	VINOGRADOV, Sergey (Lebedev Physical Institute)
15:30	Performance study of MCP-PMT in magnetic field	XIE, Junqi (Argonne National Laboratory (US))

Poster Session (31 Jul 2018, 15:55-16:25)**Coffee break (15:55-16:25)****Photon detection for Cherenkov counters (31 Jul 2018, 16:25-18:15)**

-Conveners: Kravchenko, Evgeniy (NSU/BINP); Di Mauro, Antonello (CERN)

time	title	presenter
16:25	Performance of Planacon MCP-PMT photosensors under extreme working conditions	MELIKYAN, Yury (NRNU MEPhI)
16:50	The R&D, Mass Production of the 20 inch MCP-PMT for neutrino detector	QIAN, Sen (IHEP.CAS)
17:25	Recent Progress with Microchannel-Plate PMTs	LEHMANN, Albert
17:50	Another step in photodetection innovation: the 1-inch VSiPMT prototype	BARBATO, Felicia Carla Tiziana (University of Naples "FedericoII")

Wednesday 01 August 2018

Pattern recognition and data analysis (1 Aug 2018, 09:00-10:40)

-Conveners: E, Jurgen (Univ. Autonoma de San Luis Potosi (MX)); Roger Forty

time	title	presenter
09:00	NA62 RICH performance: measurement and optimization	DUK, Viacheslav (University of Birmingham)
09:25	The role of the NA62 RICH in the $BR(K^+ \rightarrow \pi^+ \nu \bar{\nu})$ measurement	VOLPE, Roberta
09:50	PID performance of the High Momentum Particle Identification (HMPID) detector during LHC-RUN2	VOLPE, Giacomo (Università & INFN, Bari)
10:15	Calibration of the Belle II Aerogel Ring Imaging detector	PESTOTNIK, Rok (Jožef Stefan Institute)

Poster Session (1 Aug 2018, 10:40-11:10)

Coffee break (10:40-11:10)

Alternative PID techniques (1 Aug 2018, 11:10-12:40)

-Conveners: Korpar, Samo (University of Maribor and JSI); Nappi, Eugenio (INFN)

time	title	presenter
11:10	PID methods other than those based on Cherenkov radiation	DI MAURO, Antonello (CERN)
11:50	The Panda Barrel Time-of-Flight Detector	ZIMMERMANN, Sebastian (Stefan Meyer Institute Vienna)
12:15	Particle detection efficiency of the KEDR detector ASHIPH system	OVTIN, Ivan (BINP)

Lunch (12:40-14:00)

Visit to Novodechiv Cemetery (14:00-15:55)

Coffee break (15:55-16:25)

Remembering Pavel Cherenkov (1 Aug 2018, 16:25-18:25)

Concert (19:00-20:00)

Thursday 02 August 2018

Bus tour to Zvenigorod (09:00-17:00)

Workshop dinner (18:00-21:00)

Friday 03 August 2018

Alternative PID techniques (3 Aug 2018, 09:00-10:15)

-Conveners: Korpar, Samo (University of Maribor and JSI); Nappi, Eugenio (INFN)

time	title	presenter
09:00	Development of the TORCH time-of-flight detector	HARNEW, Neville (University of Oxford)
09:25	Ten years of operation of the MRPC TOF detector of ALICE: results and perspectives	PREGHENELLA, Roberto (INFN, Bologna)
09:50	Development a picosecond MCP based particle detector	BARNYAKOV, Mikhail

Technological aspects and applications of Cherenkov detectors (3 Aug 2018, 10:15-10:55)

-Conveners: Varner, Gary (University of Hawaii); Dalla Torre, Silvia (INFN Trieste (IT))

time	title	presenter
10:15	Status and perspectives of high quality aerogel	ADACHI, Ichiro (KEK)

Coffee break (10:55-11:25)

Poster Session (3 Aug 2018, 10:55-11:25)

Technological aspects and applications of Cherenkov detectors (3 Aug 2018, 11:25-12:40)

-Conveners: Varner, Gary (University of Hawaii); Dalla Torre, Silvia (INFN Trieste (IT))

time	title	presenter
11:25	Photon detectors and front-end electronics for RICH detectors in high particle density environments	CARNITI, Paolo (INFN and University of Milano Bicocca)
11:50	Nanostructured Organosilicon Luminophores as effective wavelength shifters for Cherenkov light and elementary particles detectors	PONOMARENKO, Sergey (Enikolopov Institute of Synthetic Polymer Materials of Russian Academy of Sciences, Moscow, Russia)
12:15	Silica aerogel radiator for the HELIX RICH system	TABATA, Makoto (Chiba University)

Lunch (12:40-14:00)

Technological aspects and applications of Cherenkov detectors (3 Aug 2018, 14:00-15:30)

-Conveners: Varner, Gary (University of Hawaii); Dalla Torre, Silvia (INFN Trieste (IT))

time	title	presenter
14:00	Optical elements for RICH detectors	SULC, Miroslav (Technical University of Liberec)
14:40	Efficiency of a Cherenkov based PET module with an array of SiPMs	DOLENEC, Rok (University of Ljubljana)
15:05	The Cherenkov optics qualification facilities at INAF-OAB laboratories	SIRONI, Giorgia (INAF - Osservatorio Astronomico di Brera)

Poster Session (3 Aug 2018, 15:30-16:00)

Coffee break (15:30-16:00)**Novel Cherenkov imaging techniques for future experiments (3 Aug 2018, 16:00-18:00)**

-Conveners: Schwiening, Jochen (GSI); Jacques Seguinot

time	title	presenter
16:00	The Upgrade of LHCb RICH Detectors	FIORINI, Massimiliano (INFN and University of Ferrara)
16:35	Status of the CBM- and HADES RICH projects at GSI/FAIR	PAULY, Christian (Wuppertal university)
17:00	The PANDA DIRC Detectors	SCHWIENING, Jochen (GSI)
17:35	Development of the PANDA Forward RICH with aerogel radiator	KONONOV, Sergey (Budker Institute of Nuclear Physics & Novosibirsk State University)

Saturday 04 August 2018

Novel Cherenkov imaging techniques for future experiments (4 Aug 2018, 09:00-10:50)

-Conveners: Jacques Seguinot; Schwiening, Jochen (GSI)

time	title	presenter
09:00	RICH counter development for the Electron Ion Collider experiment	HE, Xiaochun (Georgia State University)
09:35	Status of the GlueX DIRC	PATSYUK, Maria (MIT)
10:00	PID system based on Focusing Aerogel RICH for the Super C-Tau Factory	BARNYAKOV, Alexander (Budker Institute of Nuclear Physics SB RAS)
10:25	Photonic crystals as novel radiators for Cherenkov detectors	EASO, Sajan (STFC - UKRI Rutherford Appleton Lab. (GB))

Closing (10:50-11:05)

Coffee break (11:05-11:35)

Lunch (12:40-14:00)

Bus tour to Moscow & Visit to Kremlin (14:00-19:00)