

# XIV WORKSHOP ON RESISTIVE PLATE CHAMBERS AND RELATED DETECTORS

Universidad Iberoamericana, Mexico city  
Physics and Mathematics Department  
Feb 19-23/2018



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Universidad Iberoamericana

Local Organizing Committee Meeting

Sep 25th 2017

UPDATE  
New location  
Proposal

# Main Goals

## FORMAT:

- RPC “hands on” school (before International Congress)
- RPC Workshop (Notice: change of location)

Note: since end of August, we were working to have the RPC Workshop in Cozumel (as the first proposal made to the International Committee back in Ghent, Belgium in Feb of last year). There were several problems with Cozumel as location: flight travel could be up to 35 hrs from Europe, many Hotels were with space but far more expensive and very few local technical support available (normally I rent an extra speaker, microphones and Internet to have a backup solution if Hotel is not reliable ). All these took extra time and we conclude that Cozumel was not an option to present to the Local Committee.

Now since recent events in Mexico (South of Mexico and Central Mexico) we are moving the official location to a site not affected: The proposal is Puerto Vallarta, Jalisco, Mexico

## Dates:

- ✓ Feb 14th – 17th RPC “hands on” School in Mexico city (UNAM-IBERO)
- ✓ Feb 19th – 23th International Workshop Puerto Vallarta, Jalisco, Mexico

}  
Format  
New

# New format proposal

To be realice in Mexico city

## RPC School (hands on)

We will have 3 and a half days to work on:

- ✧ General Introd. Detectors
- ✧ RPC Fundamentals
- ✧ Computer / Simulation
- ✧ Data Analysis
- ✧ DAQ
- ✧ “Hands on” RPC Detector

We propose to be realice in Puerto Vallarta

## International Workshop

- 4 Days of “Normal Format”
  - Presentations
  - Poster Sessions
  - Social Program, etc.
- ✓ One day or half a day on “Future experiments” and “Future colaboartions” In America, etc.

# New format proposal

## First Part: School

### RPC School (hands on)

Must be realice in Mexico city

We will have 3 and a half days to work on:

- ✧ General Introd. Detectors
- ✧ RPC Fundamentals
- ✧ Computer / Simulation
- ✧ Data Analysis
- ✧ DAQ
- ✧ “Hands on” RPC Detector

#### **Confirmed participation from:**

- ✓ Rinaldo Santonico, U. Rome Tor V, Italy
- ✓ Giulio Aielli, U. Rome Tor V., Italy
- ✓ Crispin Williams, U. Bologna, Italy
  
- ✓ Alexis Fagot, U. Ghent, Belgium

# New format proposal

First Part: School (Maximum of 60 Students)

## RPC School (hands on)

To be realized in Mexico city

Time	Day 1 <b>IBERO</b>	Day 2 <b>UNAM / IBERO</b>		Day 3 <b>IBERO</b>	Day 4 <b>IBERO</b>
		Group-1	Group-2		
9:00 – 11:00	General Introduction to Detectors	-- UNAM -- Lab/DAQ <i>P-Session</i> Technology - I	Data Analysis <b>Part II</b> <i>P-Session</i>	Single/Double gap RPC	<i>Student Presentations</i>
11:00 – 13:00	RPC Fundamentals		Lab/DAQ <i>P-Session</i> Technology - II	Simulation & Analysis <b>Part II</b> <i>P-Session</i>	Multi gap RPC
13:00 – 14:30	Lunch	Lunch and Transportation		Lunch	
15:00 – 17:00	Data Analysis <b>Part I</b> <i>P-Session</i>	Data Analysis <b>Part II</b> <i>P-Session</i>	-- UNAM -- Lab/DAQ <i>P-Session</i> Technology - I	Current RPC Detectors/Experiments	
17:00 – 17:15	Coffee break			Lab/DAQ <i>P-Session</i> Technology - II	Coffee break
17:15 – 19:30	Simulation & Analysis <b>Part I</b> <i>P-Session</i>	Simulation & Analysis <b>Part II</b> <i>P-Session</i>		Future of RPC Detectors/Experiments	

# Summary of School

## **1 ½ days of Talks: (2 hrs each)**

- General Introduction Detectors
- RPC Fundamentals
- Single & double gap RPC
- Multi gap RPC
- Current state of RPC Experiments
- Future of RPC Experiments

## **1 ½ days of “Hands on”**

- 4hrs Lab session (one RPC Technology)
- 4hrs Data Analysis
- 4hrs Simulation & Analysis

Students will make teams (not less than  $\frac{1}{4}$  of total participants) and they will prepare a presentation concerning one topic of their choice presented or where they have worked during the School

There will be referees to give particular instructions to students in order to present Poster-Session at Workshop

# New format proposal

## Second Part: International Workshop

We propose to be realice in Puerto Vallarta

### International Workshop

#### **FORMAT not changed**

- We will only add General Sessions to discuss on Future Colaborations:
  - ✓ We should invite HAWK, and other important America Experiments to participate in this sessions.

- 4 Days of “Normal Format”
  - Presentations
  - Poster Sessions
  - Social Program, etc.
- ✓ One day or half a day on “Future experiments” and “Future colaboartions” In America, etc.

**PRESENTED BEFORE**



# Main Goals

## Few remarks:

- First time in America. We should exhort a broad participation of interested participants from America.
- We are proposing a “hands-on” student workshop for the first time

## Main goals and important issues:

- ✓ Feb 19th – 23th set dates for the General Workshop
  - Define dates / format for the students “hands-on” mini-workshop
  - Define schedule due dates for all the process and name responsables
  - Finish Web page updated with last point
  - Send first Bulletin
- ❖ Estimate number of participants
  - ✧ Rinaldo Santonico can provide an estimate for European participation
  - ✧ We should work hard to invite interested parties in America
- ❖ Proceedings
  - ✧ Responsible: Fabiola Vázquez

With advise of  
International Committee

# Main Goals

- ❖ Time Table / Indico Page (Responsible: Cecilia Uribe)
  - ✧ Registration and Fee (pending)
- ❖ Practical Information
  - ✧ Visa requirements
  - ✧ Travel advise (?)
  - ✧ Accomodation (Hotel, Hostels)
  - ✧ Extending your visit (recommendations)
- ❖ Social Events (Consider we are at 2,500 m above sea level)
  - ✧ We have some experience in near by:
    - Contadero, about 15 min. (Dinner)
    - Convento Desierto de los Leones (Dinner) problem 3,000 m above sea level.
    - Arroyo (South part of the city) (Final Dinner)
    - Trip to “Piramides de Teotihuacan” (takes at leas ½ day)
- ❖ Sponsors
  - ✧ Look for “local sponsors” (USA ?)

# International Advisory Committee

Stefano Bianco, INFN Frascati

Roberto Cardarelli, INFN Roma2

Eduardo Cortina, UCL

Paulo Fonte, LIP Coimbra

Diego Gonzalez-Diaz, Zaragoza Univ.

Norbert Herrmann, GSI

Giuseppe Iaselli, INFN Bari

Alfredo Musso, INFN Torino

Naba K. Mondal, TIFR

Sung K. Park, Seoul Univ.

Vladimir Peskov, CERN

Rinaldo Santonico, INFN Roma2

Archana Sharma, CERN

Walter Van Doninck, VUB

Yi Wang, Tsinghua Univ.

Akira Yamaguchi, Tohoku Univ.

Bing Zhou, Michigan Univ.

# Local Organizing Committee

Guy Paic, Ciencias Nucleares UNAM

Antonio Ortíz, Ciencias Nucleares UNAM

Eduard de la Cruz, CINVESTAV

Humberto Salazar, BUAP

Arturo Fernández, BUAP

Isabel Pedraza, BUAP

Cecilia Uribe, BUAP

Fabiola Vázquez, IBERO

Cristina Oropeza, IBERO

Rodolfo Estrada, IBERO

Salvador Carrillo, IBERO (Chair)

# Some important links

- Web page: <http://fismat.iberomx.org/rpc2018>
- Last year web page: <http://rpc2016.ugent.be>
- Contribution RPC-2016 direct link: <https://indico.ugent.be/event/0/contributions>

If no access please let me know to request to Michael Tytgat

- Our web page (: <https://indico.cern.ch/event/644205/overview>)