

**NEUTRINO 2026  
IN RIO**

**Hélio da Motta (CBPF)**

**Ana Amélia Machado (UNICAMP)**

**Deborah Harris (Fermilab/York University)**





**Hélio da Motta**  
CBPF

**Experiments:** MINERvA, DUNE (current); D0, E769 (past)  
**Design and development of D0 Forward Proton Detector (FPD)**  
**Co-coordinator of DUNE-BR**  
**Committees:** DUNE O&E, MINERvA Speakers committee (current); several NuFact SPC;  
 MINERvA executive board (2012-2013); DUNE CSPSC (2021)  
**Head CBPF HEP department (2004-2007)**  
**Supervised 6 master thesis and 7 doctor thesis in experimental neutrino physics**

**Organized:** NUINT12 (co-chair); NuFact15 (co-chair); organizing committee of several LISHEP



**Ana Amélia Machado**  
UNICAMP

**DPF Instrumentation Award 2019 for the invention of the light collection device the ARAPUCA.**  
**Member of:** DUNE, SBND and LarLAT (current); DarkSide, GERDA; LVD at NLGS ; E831 at Fermilab  
**Responsible for the light collection working group of the DUNE SP photon detector.**  
**Co-coordinator of the installation of protoDUNE photodetection 2017 and 2022.**  
**Committees:** DUNE speaker committee; SBND Executive board; CoCC of SBND; EIC Detector  
 Advisory Committee (DAC); DPF-APS Instrumentation awards committee 2020;  
 ICFA awards committee 2022; Co-convener of Neutrino Detectors working group in the  
 SNOWMASS

**Organized:** “Module of Opportunity for DUNE Workshop” (2019), Brookhaven; LIDINE 2019,  
 Manchester; third “UK-Latin America on Advanced Light Collection Systems Workshop” (2018),  
 UNICAMP; Advanced School on Experiental Neutrino Physics (2018), UNICAMP; workshop  
 “DUNE at FAPESP” (2017)



**Deborah Harris**  
York University/Fermilab

**Worked at Fermilab from 1999-2019**  
**Participated on MINOS experiment 1999-2006**  
**Project Manager for MINERvA experiment 2005-2010**  
**Spokesperson of MINERvA from 2010 through present**  
**Joined DUNE, working on Liquid Argon Near Detector (ND-LAr)**  
**Chair of ND-LAr Institutional Board**

**Organized several NuFact Summer schools and International Neutrino Summer  
 Schools, including São Paulo (2015) , schools in the US, Viet Nam (2016), Scotland  
 (2014), China, Switzerland (2011), Spain (2008)**



International events have been organized in Brazil. Recent NEUTRINO-related conferences  
In Brazil include

**NUINT12 – Eighth International Workshop on Neutrino-Nucleus Interactions in the  
Few GeV Region- October 2012 (100 participants)**

**WIN2013 – XXIV Workshop on Weak Interactions and Neutrinos -  
September 2013 (137 participants)**

**ICRC2013 - 33<sup>rd</sup> International Cosmic Ray Conference - July 2013 (800 participants)**

**NuFact15 - XVII International Workshop on Neutrino Factories and Future Neutrino Facilities -  
August 2015 (125 participants)**

**INSS 2015 – International Neutrino Summer School – September 2015**

**And, of course: 2014 World Cup and 2016 Olympics**

Brazil has a long history of participation in HEP since early cosmic ray  
experiments in the 50s and 60s to modern day experiments with accelerators.

At Fermilab: **E691, E769, E791, E831, D0, MINERvA, DUNE, NOvA, MINOS**

At CERN: **Delphi, LHCb, CMS, Atlas, LHCb**

Experiments in Brazil: **CONNIE, Angra-nu**

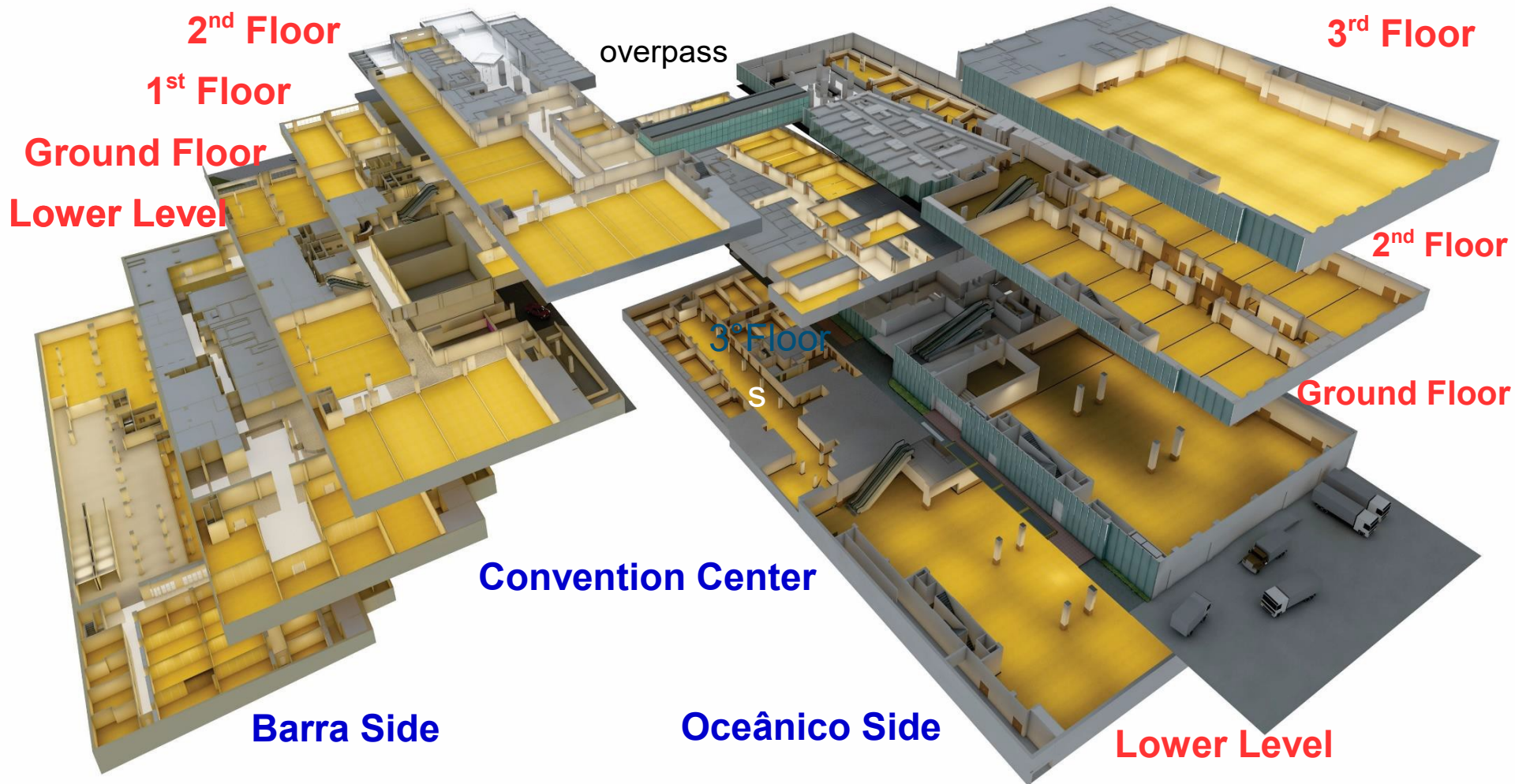
Cosmic Ray Experiment: **Auger, Chacaltaya**

Reactor Neutrino Experiment: **Double Chooz**

**Venue: Windsor Hotels and Convention Center**  
**Three hotels and a big convention center**  
**at Barra da Tijuca neighborhood**





**Venue: Windsor Hotels and Convention Center**



**Barra** is one of the most sophisticated, pleasant and safest neighborhoods in Rio  
**Upper middle class apartments, houses and upper class mansions**  
**Variety of restaurants, bars, shopping malls and the city's largest beach**  
**Lagoons, parks and reserves with exuberant flora and fauna**



**Windsor**

**Windsor complex has three hotels.**  
**Daily rates per person in US\$ (taxes included).**

<b>HOTEL</b>	<b>TYPE</b>	<b>US\$ / DAY No breakfast</b>	<b>US\$ / DAY breakfast</b>
<b>Windsor Barra</b> 	<b>SINGLE</b>	<b>76</b>	<b>85</b>
	<b>DOUBLE</b>	<b>42</b>	<b>49</b>
	<b>TRIPLE</b>	<b>35</b>	<b>42</b>
<b>Windsor Oceânico</b> 	<b>SINGLE</b>	<b>72</b>	<b>81</b>
	<b>DOUBLE</b>	<b>40</b>	<b>47</b>
	<b>TRIPLE</b>	<b>33</b>	<b>41</b>
<b>Windsor Tower</b> 	<b>SINGLE</b>	<b>70</b>	<b>79</b>
	<b>DOUBLE</b>	<b>38</b>	<b>45</b>
	<b>TRIPLE</b>	<b>33</b>	<b>40</b>

**Windsor serves a very nourishing breakfast with coffee, milk, Hot chocolate, tea, variety of bread, croissant, variety of fruits, variety of cheeses, cold cuts, yogurts, jams, cereal, cakes, muffins, pastries, sausages, ham, omelets, scrambled eggs, boiled eggs, and more.**

**Participants can share a room to reduce cost.**  
**(This could be specially convenient for students and postdocs)**  
**Several other hotels available in the area**



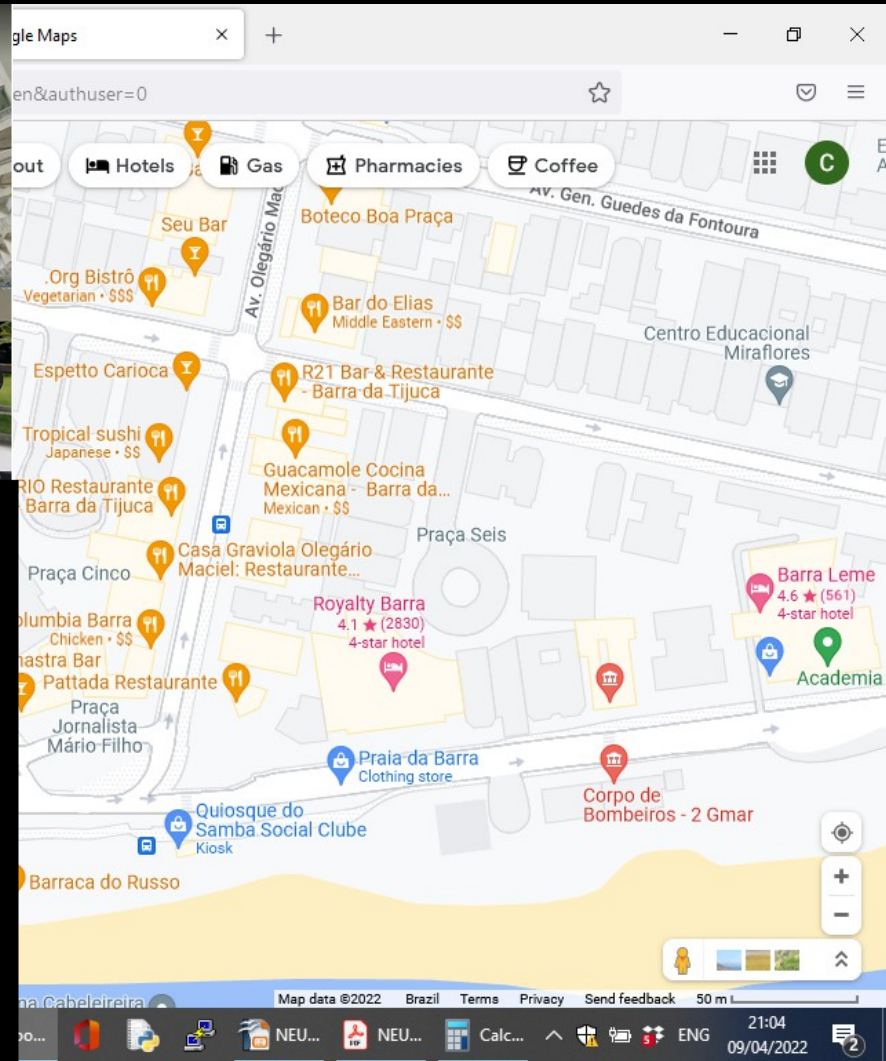
# No need for a car or taxis. Everything within walking distance



Supermarkets and many eating places at the Windsor complex and around, all in a walking distance from the conference venue.

**Local lunch costs range from 7-10 USD**

Subway station is about a 20 minute walk from complex. Easy and safe connection to downtown, Copacabana, Ipanema, and popular tourist destinations





**Today we find the following prices (in USD) for round trip tickets to Rio from the following cities**

**Chicago: \$ 771**

**London: \$ 994**

**Tokyo: \$ 1,564**

**Frankfurt: \$ 675**

**Beijing: \$ 1,183**

**Delhi: \$ 1,246**

**Paris: \$ 645**

**Rome: \$ 580**

### **REGISTRATION FEE**

Estimated between US\$ 350 and US\$ 450. Includes: coffeebreaks, welcome reception, poster session reception, banquet, conference material

We plan to provide at least a \$100 discount on registration fee for students and postdocs.

Shared lodging options would also mean a large savings for those who are interested

### **Financial support**

Funding from several agencies and sponsors will allow the support of some students and post docs

Previous conferences in Brazil (NUINT, NuFact) had a large participation from students and postdocs thanks to generous financial support

INSS (2015) had no registration fee.

We have a strong tradition of supporting students, postdocs and participants from Latin America

## **A little about Rio**

Population: 6,3 million people

Cosmopolitan city

The historical center of Rio is rich in cultural attractions, architecture of many different schools, churches, public buildings squares and museums.



**Main touristic destination in Brazil (over 6,000,000 visitors a year)**

**Finance, business and cultural center**

**Headquarter of major companies (oil, mining, banking, steel, communications)**

**Many Universities and Research Institutes**

**Major port**



## NEUTRINO IN THE WORLD

### PAST

EUROPE	16
NORTH AMERICA (US+CANADA)	
US	6
Canada	1
ASIA	4
OCEANIA	1
<b>SOUTH AMERICA</b>	<b>0</b>

### CURRENT AND IMMEDIATE FUTURE

Asia	(2022)	1
EUROPE	(2024)	1

**We have full support from our community for NEUTRINO 2026**

**Brazilian Center for Physics Research (CBPF)**

**University of Campinas (UNICAMP)**

**Brazilian Physical Society (SBF)**

**National Network for High Energy Physics (RENAFAE)**

The International Conference on Neutrino Physics and Astrophysics (NEUTRINO) is the main conference in the field. Its international nature brings together researchers from all over the world both experimentalists and theorists. As such we should make our actions as international and as diverse as the countries and institutions that make this community. This strengthen the community and will also increase the diversity of the participants at NEUTRINO. In the spirit of internationalization we propose hosting NEUTRINO 2026 in Rio de Janeiro, Brazil.