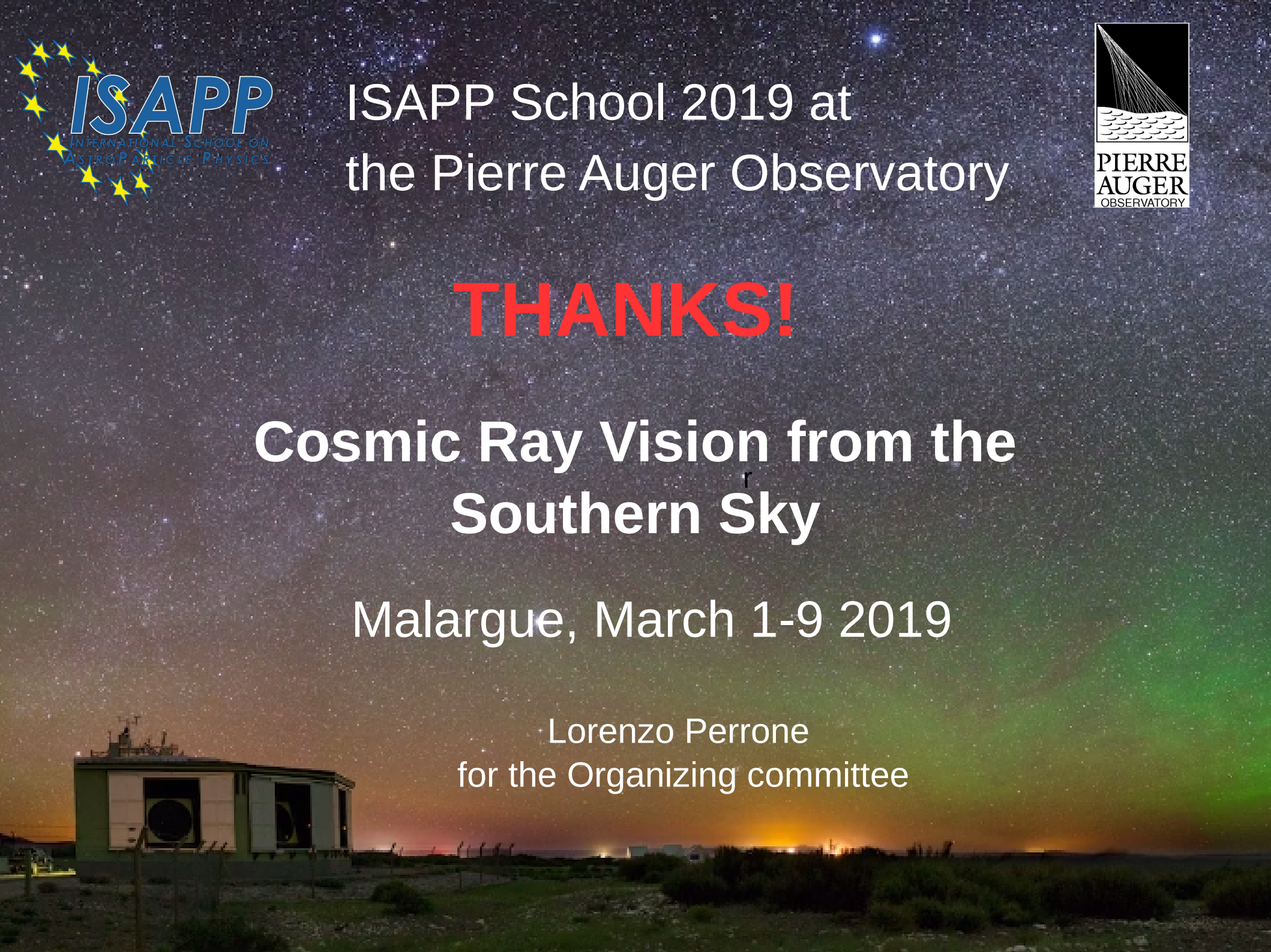

ISAPP
International School on Astroparticle Physics
ISAPP School 2019 at
the Pierre Auger Observatory
PIERRE AUGER OBSERVATORY
THANKS!
Cosmic Ray Vision from the Southern Sky
Malargue, March 1-9 2019
Lorenzo Perrone
for the Organizing committee

The Agenda in one shot

FORMAT

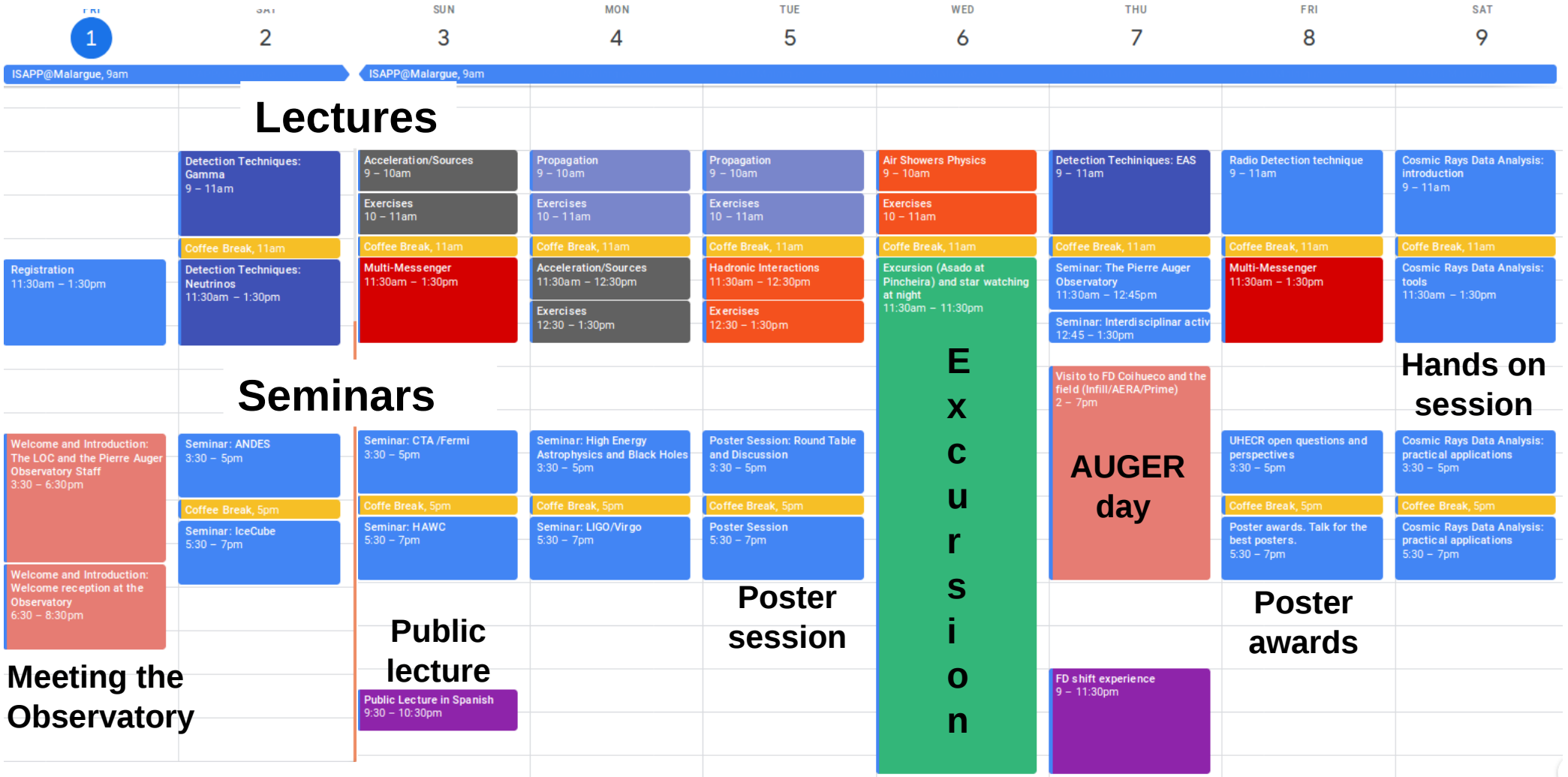
- Lectures with exercises

AND

- Seminars on specific items
- Public lecture (3/3)
- Poster Session (5/3)

SIDE ACTIVITIES

Interaction with the Observatory staff
Excursion and night sky observation (6/3)
Visit to the field (7/3)
Participating to a FD shift (7/3)
Hands-on session (9/3)



School Time

Convention and Exhibition Center Thesaurus

Red Room: seminars and public lecture

Yellow room: lectures

Public lecture on Sun March 3 9:30 pm

Prof. Miguel Mostafa

Penn State University

USA

We had more that 70 persons and questions for almost 1 hour !

Las partículas más energéticas del universo

¡Las partículas conocidas como rayos cósmicos nos bombardean constantemente! Uno de los mayores misterios en astrofísica es el origen de los rayos cósmicos de más alta energía en el universo. Estos rayos cósmicos son los que detectamos con el Observatorio Pierre Auger. Son extremadamente exóticos (¡e interesantes!) porque cada uno de ellos tiene una energía que es millones de veces más alta que la energía de las partículas aceleradas por el Gran Colisionador de Hadrones, el acelerador de partículas más poderoso del mundo. En esta charla entre amigos vamos a discutir una pregunta muy importante que se hacen todos los habitantes de Malargüe. ¿Qué hacen los científicos del Pierre Auger? Y más importante aún, ¿para qué sirve todo esto?

Excursion at Castillo de Pincheira

Side activities and challenging competitions

Night sky observation successful despite few clouds!

Visit to the field on Thu March 7th

Great and deepest thanks to Mariano del Rio and Ricardo Sato

Visit to the FD site at Coihueco

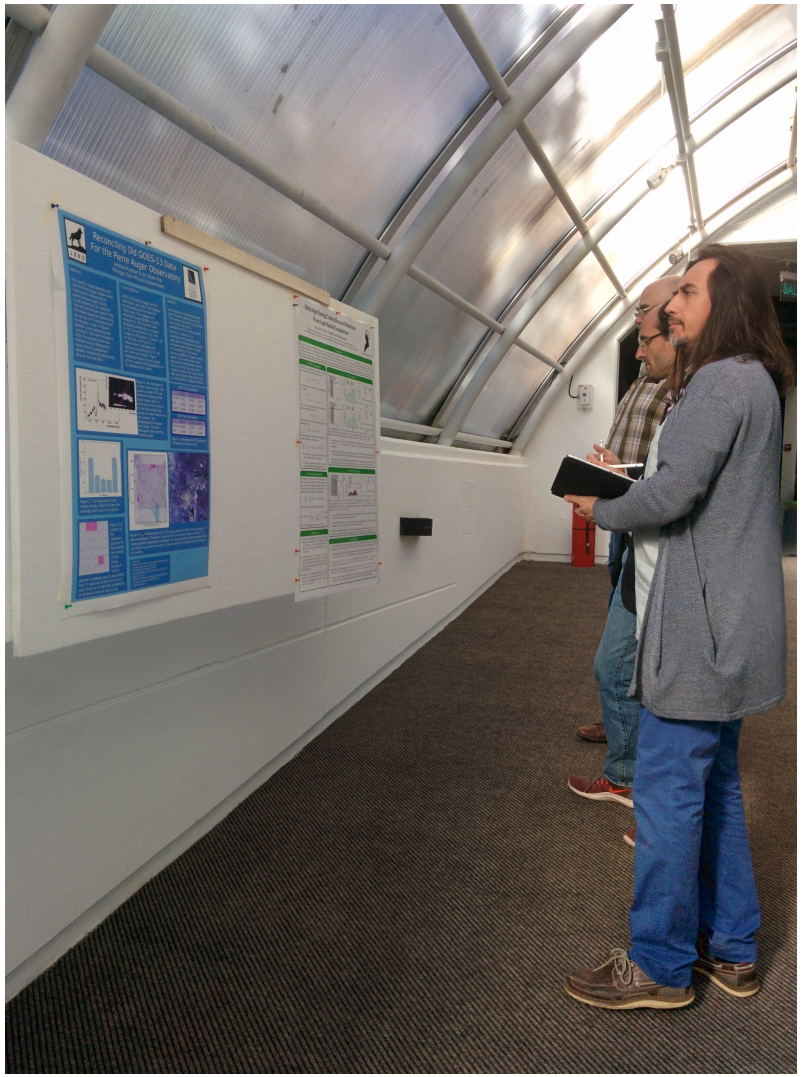
Visit to the SD and SSD site in the field close to “El Sosneado”

Participation in the night shift on Thu March 7th

Late evening of March 7th at the end of the “Auger Day”, attending the FD shift

Poster session

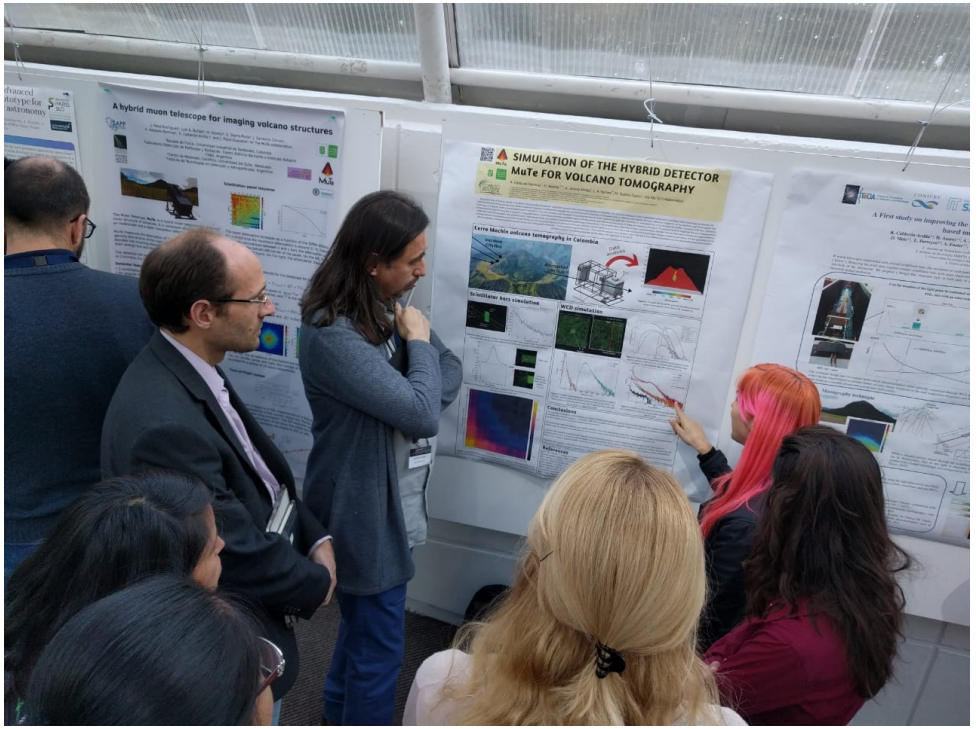
Extremely productive and valuable
- Well and long attended
- Prepared and motivated presenters
- Fruitful interactions among students!



Fully committed Poster Panel

Thanks Xavier, Miguel, Paolo, Lukas, Ingo and Kohtha for your dedication to this task.

Really hard task for the Panel to make a choice for the poster award



School Pictures

https://snork.nucleares.unam.mx/owncloud/apps/gallery/s/fTKTJWzWOL3j2gB#photos

Thanks Lukas !!

Acknowledgements

- ISAPP Network

- All the contributing Countries

- All speakers and collaborators that accepted to contribute to this experience.

- INFN Lecce for providing the support of one person in situ (Lucia Sideli)

- The Pierre Auger Observatory:
in particular, **Ingo Allekotte, Gualberto Avila, Rosa Pacheco**

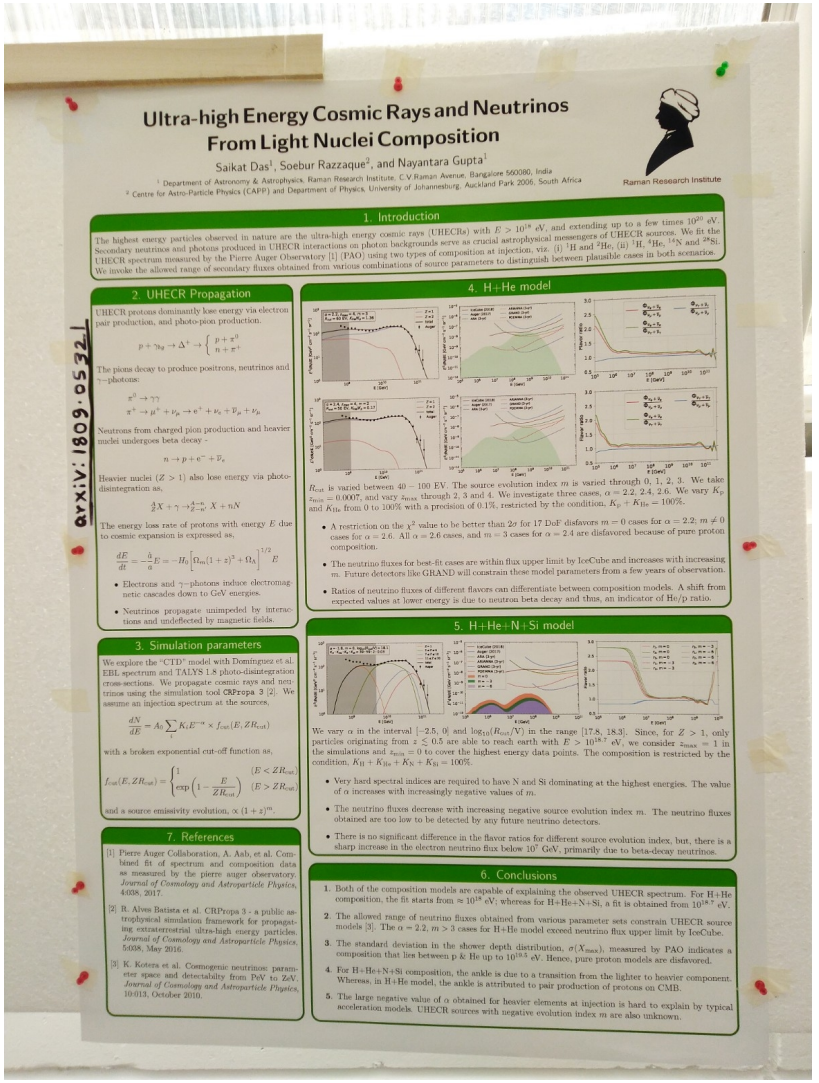
- The Thesaurus convention center

Viviana for her invaluable work as organizer and for much more.

THANK YOU FOR PARTICIPATING IN THIS INITIATIVE

Poster award

Poster award: Theoretical section



Poster title

“Ultra-high energy cosmic rays and neutrinos from light nuclei composition”

Saikat **DAS**

Raman Research Institute

Bengaluru , India

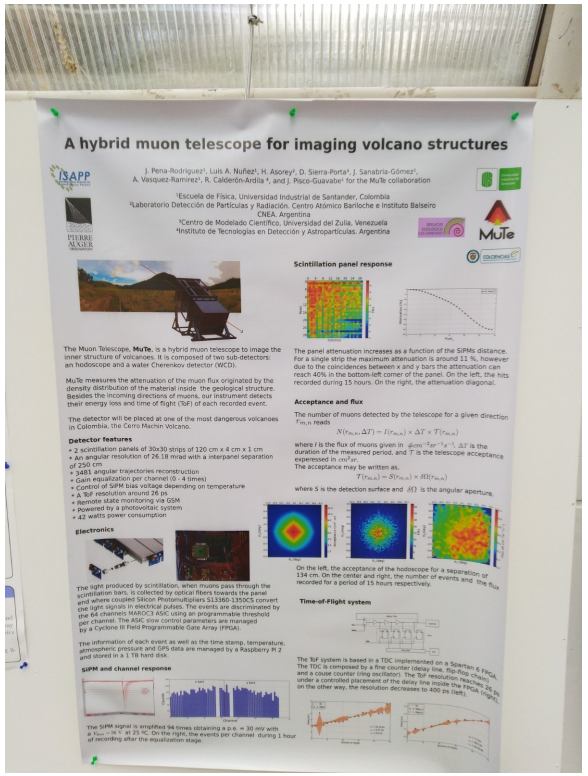
Poster award: experimental section

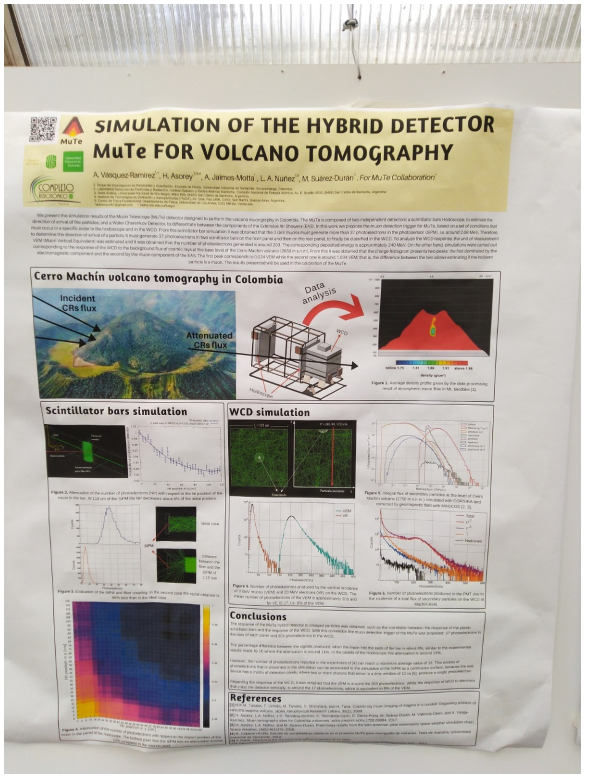
MuTe project presented in the following contributions:

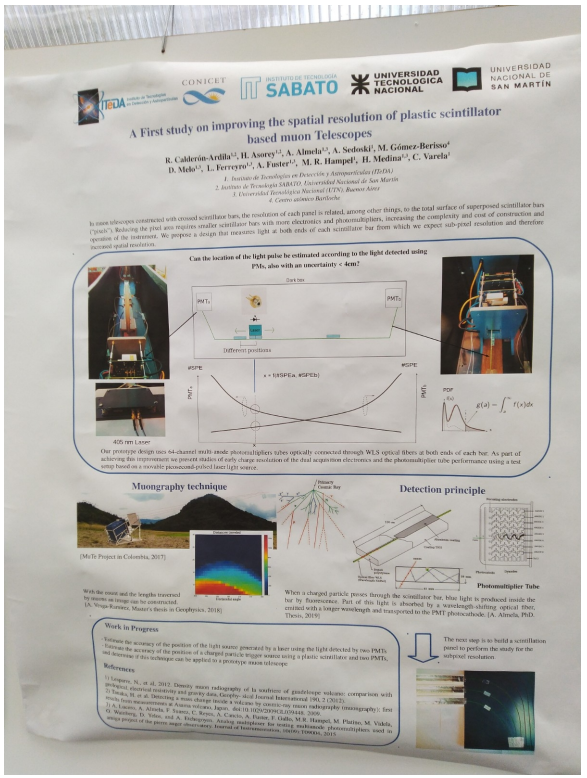
"A hybrid muon telescope for imaging volcanos structure"

"Simulation of the hybrid detector MuTe for volcano tomography"

"A First study on improving the spatial resolution of plastic scintillator based muon Telescopes"







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