# A Brief History of the TAUP Workshop Series Beginning in 1989

Frank Avignone University of South Carolina

# This story has had a long and productive history with many people involved



The First TAUP Was Held at the University of L'Aquila and at LNGS, September 25-28 1989.

The Organizing Committee Was: E. Bellotti, Sandro Bottino,Chair, V. de Alfaro , M. Luisignoli, P. Monacelli, A. Morales and G. Rossi.

I Was Present But Only as a Discussion Leader With Graciella Gelmini

I joined the Steering Committee the following year.

# TAUP 89

Theoretical and Phenomenological Aspects of Underground Physics

Edited by

A. Bottino and P. Monacelli

Editions Frontières

## TAUP 91, Toledo Spain 9-13 September 1991

Eds: Angel Morales Julio Morales and Jose` Angel Villar

U. Zaragoza

Sandro Bottino and Angel Morales Co-Chairs of the Steering Committee **PROCEEDINGS** SUPPLEMENTS NUCLEAR PHYSICS B

Nuclear Physics B (Proc. Suppl.) 28A (1992) JULY 1992

## TAUP 91

Proceedings of the Second International Workshop on Theoretical and Phenomenological Aspects of Underground Physics Toledo, Spain 9–13 September 1991

Edited by A. MORALES, J. MORALES and J. A. VILLAR

NORTH-HOLLAND



Can You Find: Bruno Pontecorvo? Pepe Bernabeau? Venya Berezinsky? Angel Morales? Sandro Bottino? Me? Yourself?

Palacio de Benacazón, Toledo, Spain



# TAUP 93 Laboratori Nazionali del Gran Sasso

19-23 September 1993

C. Arpesella E. Bellotti A. Bottino



Nuclear Physics B (Proc. Suppl.) 35 (1994) MAY 1994

## **TAUP 93**

Proceedings of the Third International Workshop on Theoretical and Phenomenological Aspects of Underground Physics Laboratori Nazionali del Gran Sasso, INFN, Italy 19-23 September 1993

Edited by C. ARPESELLA, E. BELLOTTI and A. BOTTINO

# TAUP 95 Toledo, Spain

Eds. Angel Morales Julio Morales Jose` Angel Villar



Nuclear Physics B (Proc. Suppl.) 48 (1996) MAY 1996

## **TAUP 95**

Proceedings of the Fourth International Workshop on Theoretical and Phenomenological Aspects of Underground Physics Toledo, Spain 17 - 21 September 1995

Edited by A. MORALES, J. MORALES AND J.A. VILLAR

NORTH-HOLLAND

# TAUP 97 7-11 September 1997 Laboratori Nazionali del Gran Sasso

# Eds. A. Bottino B. A. Di Credico C. P. Monacelli

# **PROCEEDINGS** SUPPLEMENTS NUCLEAR PHYSICS B

## **TAUP 97**

Proceedings of the Fifth International Workshop on Topics in Astroparticle and Underground Physics Laboratori Nazionali del Gran Sasso, Italy 7-11 September 1997

Edited by A. BOTTINO, A. DI CREDICO and P. MONACELLI

# TAUP 99 6-10 September 1999 College de France Paris

# Eds. J. Dumarchez M. Froissart D. Vignaud



Nuclear Physics B (Proc. Suppl.) 87 (2000) JUNE 2000

## **TAUP 99**

Proceedings of the Sixth International Workshop on Topics in Astroparticle and Underground Physics Collège de France Paris, France 6–10 September 1999

Edited by J. DUMARCHEZ M. FROISSART D. VIGNAUD

www.elsevier.nl/locate/npe NORTH-HOLLAND TAUP 2001 8-12 September, 2001

# Laboratori Nazionali del Gran Sasso

# Eds. A. Bettini A. Bottino A. Di Credico

On the 4<sup>th</sup> day, Sept. 11<sup>th</sup>, during our 15:00 hr Coffee break we learned of the terrorist attack on the Twin Towers in New York.

## **TAUP 2001**



Venue: Laboratori Nazionali del Gran Sasso (Italy)

Dates: 8-12 September 2001

Organized by: Laboratori Nazionali del Gran Sasso (ITALY)

Main sponsors: IUPAP/PaNAGIC, INFN

#### Scientific Committees

#### Scientific Program:

Plenary Sessions

Workshop Sessions

#### Proceedings:

TAUP 2001: Proceedings of the Seventh International Conference on Topics in Astroparticle and Underground Physics
Editors: A. Bettini, A. Bottino, A. Di Credico
Nuclear Physics B (Proc. Suppl.) Vol. 110 (2002)

Home page: http://taup2001.lngs.infn.it/ [link may become unavailable]





# **DECLARATION SIGNED BY ALL PARTICIPANTS**

It is with utmost shock that the participants of the international physics conference TAUP 2001, who met at the Laboratori Nazionali del Gran Sasso of the Instituto Nazionale di Fisica Nucleare, learned of the tragic terrorist attacks in the United States. The monstrosity of the events, and the instant solidarity among scientists who came from all over the world, many from the United States, abruptly stopped scientific discussion. The scientists wish to express their warmest sympathy to the families of the innocent victims of the tragedy. They also wish to make clear the utter contempt and despise with which they see such actions against humanity and peaceful living, which cannot be justified on any ground, and which are directed against everything that science represents and stands for.

# TAUP 2003 5-9 September, 2003 University of Washington Seattle, Washington

Eds. Frank Avignone Wick Haxton

# This was also a special TAUP for many of us.

#### **TAUP 2003**



Venue: University of Washington, Seattle (WA, USA)

Dates: 5-9 September 2003

Organized by: University of Washington, Seattle (WA, USA)

Main sponsors: IUPAP/PaNAGIC, Institute for Nuclear Theory and Center for Experimental Nuclear Physics and Astrophysics (University of Washington)

#### Scientific Committees

#### Scientific Program:

Plenary Sessions

Workshop Sessions

#### Proceedings:

TAUP 2003: Proceedings of the Eight International Conference on Topics in Astroparticle and Underground Physics
Editors: F. Avignone, W. Haxton
<u>Nuclear Physics B (Proc. Suppl.) Vol. 138 (2005)</u>

Home page: http://www.int.washington.edu/taup2003/



# This was the last TAUP Angel Morales would attend.

Shortly after returning to Spain from TAUP 2003 He fell into a coma, and died several weeks later.



# Angel and Julio, the Early Days





## At Connanchu Cerca 1987



TAUP 2005 Edificio Paraninfo, University of Zaragoza 10-14 September 2005

# Eds.

- A.Bottino
- E. Coccia
- J. Morales
- J. Puimedon

This was to be in honor of Angel Morales' 70<sup>th</sup> Birthday and to Celebrate the completion of the Laboratorio Subterranio del Canfranc.

### **TAUP 2005**



Venue: Edificio Paraninfo, University of Zaragoza (Spain)

Dates: 10-14 September 2005

Organized by: Laboratori Nazionali del Gran Sasso (Italy) and University of Zaragoza (Spain)

Main sponsors: IUPAP/PaNAGIC, INFN (Italy), Universidad de Zaragoza, Ministerio de Educacion y Ciencias (Spain), Gobierno de Aragon (Spain)

#### Scientific Committees

#### Scientific Program:

Plenary Sessions

Workshop Sessions

Poster Session

#### Proceedings:

TAUP 2005: Proceedings of the Ninth International Conference on Topics in Astroparticle and Underground Physics
Editors: A. Bottino, E. Coccia, J. Morales, J. Puimedon
Journal of Physics: Conference Series 39 (2006)









# Laboratorio Subterranio del Canfranc Surface Laboratory



# Finally Angel's dream became true ...

TAUP 2007 Sendei Civic Center Sendei, Japan 11-15 September 2007

Eds. K. Inoue A. Suzuki T. Mitsui

We wish our Japanese friends and colleagues A speedy recovery from The recent tragedy

### **TAUP 2007**



Venue: Sendai Civic Auditorium in Sendai (Japan)

Dates: 11-15 September 2007

Organized by: Research Center for Neutrino Science, Tohoku University, Sendai (Japan)

Main sponsors: IUPAP/PaNAGIC

#### Scientific Committees

Scientific Program:

Plenary Sessions

Workshop Sessions

Poster Session

#### Proceedings:

TAUP 2007: Proceedings of the Tenth International Conference on Topics in Astroparticle and Underground PhysicsEditors: K. Inoue, A. Suzuki, T. MitsuiJournal of Physics: Conference Series 120 (2008)

Home page: http://www.awa.tohoku.ac.jp/taup2007/index.html [link may become unavailable]





TAUP 2009 Angelicum-the Pontifical University of Saint Thomas Aquinas Rome, Italy

1-5 July, 2009

Eds. E. Coccia L. Pandola N. Fornengo R. Aloisio

The meeting was moved from LNGS because of the terrible earthquake In and near L'Aquila

### **TAUP 2009**



Venue: Angelicum - The Pontifical University of Saint Thomas Aquinas, Rome (Italy)

Dates: 1-5 July 2009

Organized by: Laboratori Nazionali del Gran Sasso (Italy)

Main sponsors: IUPAP/PaNAGIC, INFN (Italy), University of Torino (Italy)

Scientific Committees

#### Proceedings:

TAUP 2009: Proceedings of the Eleventh International Conference on Topics in Astroparticle and Underground Physics
Editors: E. Coccia, L. Pandola, N. Fornengo, R. Aloisio
Journal of Physics: Conference Series 203 (2009)

Home page: http://taup2009.lngs.infn.it







# Sadly, it was at TAUP 2009 that we were notified that Julio Morales Lost his long battle with cancer.





12th International Conference on Topics in Astroparticle and Underground Physics

# TAUP

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Contact: taup2011@mpp.mpg.de

Log in for managing your personal information and for uploading your presentation/poster. (Password forgotten?)



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#### WELCOME TO TAUP 2011

12<sup>th</sup> International Conference on Topics in Astroparticle and Underground Physics 5 – 9 September 2011, Munich, Germany

The biennial TAUP series covers recent experimental and theoretical developments in astroparticle physics by invited plenary review talks and parallel workshop sessions of invited and contributed presentations.

#### Topics covered by the conference:

- · Cosmology and particle physics
- Dark matter and its detection
- Neutrino physics and astrophysics
- Gravitational waves
- High-energy astrophysics and cosmic rays

The scientific program for TAUP2011 is now finalized, comprising 31 plenary and 173 parallel talks in six workshop tracks, as well as 31 posters. Besides the online agenda, you may also download the compact program booklet (PDF, 1.9 MB) and the abstract booklet (PDF, 0.4 MB), which you will also receive in a printed version as part of your conference pack. See here for last-minute modifications of the agenda.

#### For speakers:

Please upload your talk as early as possible through your TAUP account, at the latest on the day before your talk.

#### Conference venue:

The 12<sup>th</sup> edition of TAUP will be held at the Münchner Künstlerhaus (Munich House of Artists), a cultural event venue in the city center. The conference is jointly organized by Max-Planck-Institut für Physik; Technische Universität München, Physik-Department E15; and the DFG Excellence Cluster "Origin and Structure of the Universe".

The interactive map below dislays the location of the conference. The airport and Hauptbahnhof (Central Station) are also displayed (zoom out for these). You can center the map on one of the locations by clicking on the corresponding letter in the list below.

#### WEATHER FORECAST

München Altstadt-Lehel



#### LATEST NEWS

27 August 2011 PDF Abstract Booklet available for download.

#### 22 August 2011

Final version of the conference agenda available – also as PDF.

#### 25 July 2011

Preliminary conference agenda published.

5 July 2011 Registration is now closed.

#### 3 June 2011

Abstract submission is now closed.

#### 4 May 2011

Information for press accreditation added.



We are attending the 12<sup>th</sup> TAUP conference. They have all been very successful. One of the leading reasons for their success was the constant attention to detail given by the chair and co-chair of the steering committee.

# Thanks to Sandro Bottino for more than 22 years of his devotion to TAUP

And TAUP owes a great deal to Sandro's co-chair who also played a leading role.

I dedicate this talk to thank Sandro and to the Memory of Angel Morales.

