14th AGILE Science Workshop

AGILE on the Wave

June 20-21, 2016, "Cassini" Conference Hall, ASI Headquarters, Rome

Scientific Program

June 20, 2016

10:00 - 10:30  B. Negri, E. Flamini, F. D’Amico  Welcome ASI

The AGILE Mission

10:30 - 10:50  M. Tavani  Status of the Mission
10:50 - 11:05  C. Pittori  AGILE Data Center activities
11:05 - 11:20  A. Bulgarelli  The AGILE Alert System and data analysis

11:20 - 11:40  Coffee Break

Gravitational Waves

11:40 - 12:00  F. Ricci  Discovery of GW150914
12:00 - 12:20  M. Branchesi  MW campaign
12:20 - 12:40  E. Brocato  Optical follow up observations
12:40 - 13:00  V. Connaughton  Fermi GBM Observations of GW150914
13:00 - 13:20  F. Verrecchia  AGILE follow up observations
13:20 - 13:40  E. Coccia  The future of GW research

13:40 - 14:30  Lunch

Astrophysics -1

14:30 - 14:50  A. Giuliani  AGILE and Supernova Remnants
14:50 - 15:10  P. Munar  AGILE and Binary Sources
15:10 - 15:30  S. Cutini  Hard Fermi-LAT sources
15:30 - 15:50  S. Casanova  The HAWC high energy sky

The Future -1

15:50 - 16:10  P. Caraveo  Future ASI/ESA/NASA space missions
16:10 - 16:20  A. Giuliani  CTA/ASTRI
16:20 - 16:40  S. Vercellone  CTA Key Science Projects

16:40 - 17:00  Coffee Break

Special Session: e+/e- on Earth and in Space dedicated to the 80th birthday of G. Barbiellini

17:00 - 17:20  F. Ceradini  e+/e- physics in Frascati - Dafne
17:20 - 17:40  E. Longo  Neutrino physics at CERN - CHARM
17:40 - 18:00  A. Baroncelli  e+/e- physics at CERN - DELPHI
18:00 - 18:20  A. Morselli  Silicon in space: cosmic rays and astrophysics
June 21, 2016

**Astrophysics -2**

09:30 - 09:50  I. Donnarumma  
*Relativistic Tidal Disruption Events*

09:50 - 10:10  S. Vercellone  
*AGILE and MW campaigns on blazars*

10:10 - 10:30  V. Vittorini  
*Modeling gamma-ray flares from blazars*

10:30 - 10:50  P. Coppi  
*AGN rapid gamma-ray variability*

10:50 - 11:10  A. Stamerra  
*MW campaigns and blazar gamma-ray periodicities*

11:10 - 11:30  P. Giommi  
*Blazars at gamma-ray and VHE*

11:30 - 11:50  Coffee Break

**Terrestrial Physics**

11:50 - 12:10  R. Mussa  
*ELVES observation with AUGER*

12:10 - 12:30  O. Scholten  
*Lightning Physics with LOFAR*

12:30 - 12:50  V. Connhaughton  
*Recent results on TGF observations with Fermi*

12:50 - 13:10  A. Ursi  
*AGILE detection of TGFs in an enhanced configuration and link with meteorological observations*

13:10 - 13:30  G. Piano  
*AGILE as a particle monitor: an update*

13:30 - 14:30  Lunch

14:30 - 14:50  R. Aceti  
*Remembering Paolo Sabatini*

**The Future -2**

14:50 - 15:10  P. Buratti  
*Instabilities, reconnection and particle acceleration in laboratory plasmas*

15:10 - 15:30  E. Striani  
*Results from 3D MHD simulations of resistive magnetic reconnection*

15:30 - 15:50  F. Paoletti  
*AGILE lands at Hightstown High School (surprise outreach video)*

15:50 - 16:10  Coffee Break

16:10 - 16:30  D. Guetta  
*Hidden Cosmic-Ray Accelerators as an Origin of TeV-PeV Cosmic Neutrinos*

16:30 - 16:50  M. Marisaldi  
*The AGILE legacy for Earth observations: the PANGEA project*

16:50 - 17:10  G. Di Sciascio  
*The future of wide Field-of-View Experiments at TeV energies*

17:10 - 17:30  V. Tatischeff  
*e-ASTROGAM: a future gamma-ray mission for ESA M5*

17:30 - 17:45  G. Barbiellini  
*Concluding remarks*

17:45 - 18:00  E. Russo  
*Concluding remarks, ASI*