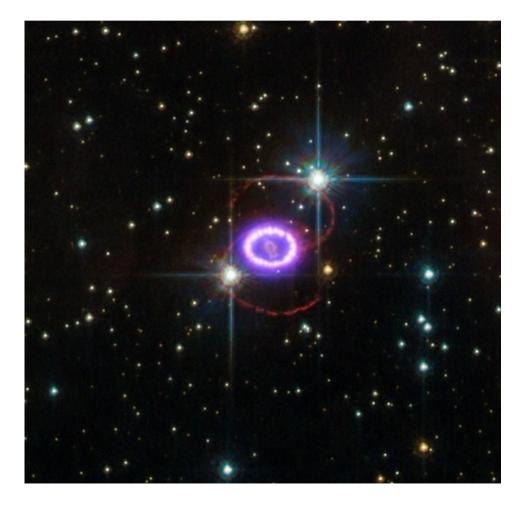
IAUS 331: « SN 1987A, 30 years later » 20-24 February 2017, La Reunion Island

Bienvenu zot tout' !



IAU Symposium 331

SN 1987A, 30 years later Cosmic Rays and Nuclei from Supernovae and their aftermaths

FEBRUARY 20-24, 2017 Saint-Gilles, La Réunion Island, France

TOPICS

Latest evolutionary stages of massive stars Stellar progenitors and diversity in Supernovae SN 1987A, thirty years later Explosion mechanisms and nucleosynthesis Particle acceleration and origin of cosmic rays Multi-wavelength/multi-messenger data Prospectives with future, post-2018, instruments

SCIENTIFIC ORGANIZING COMMITTEE

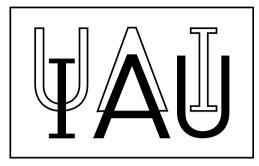
lena Amato Italy, Aya Bamba Jagan, ndrei Bykov, Russia (Co-Chair), Roger, Chevalier USA, toland Diehl Germany, Glavier Inne-Angentina (Co-Chair iona Flarrison USA, Flans, morge Jant Stoermany, Aarianne Lemoine-Coumard France, Alexandre Marcowit rance (Co-Chair), Georges Meynet Switzerland, Alak Ray Jala (Co-Chair), Mathieu Renaud Ronce, Sama 7 Safi-Hark anda, Stephen Smartt UK, Patricia Whitelock South Afrik

ORE

OCAL ORGANIZING COMMITTEE:

Monome activities UPM France, Marie-Feene Grondin CENBG France, Agnès Lèbre LUPM France, Alexandre Marcowith LUPM France (Co-Chain, André Peyrot Les Makes Observatory France, Matthieu Renaud LUPM France (Co-Chain)

Contact: iaus331@lupm.univ-montp2.fr Website: https://iaus331.lupm.in2p3.fr/





illage de Corail

département Réunion

www.cg974.fr







REGION REUNION www.regionreunion.com







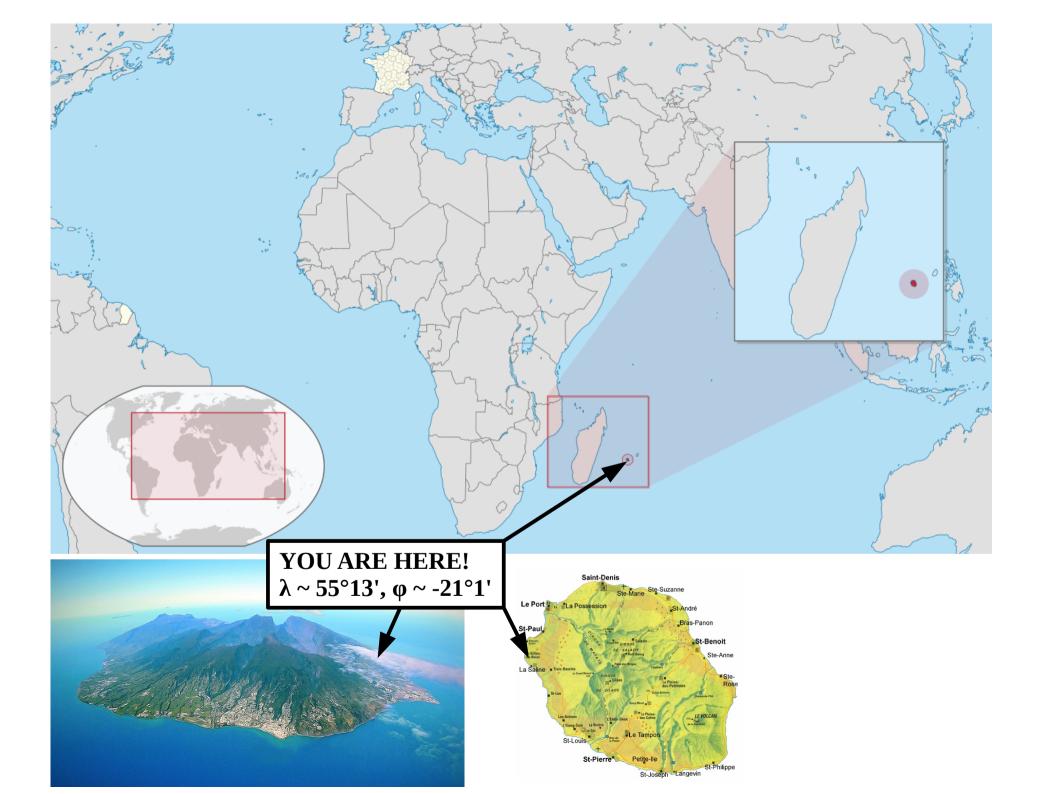
Société Française de Physique

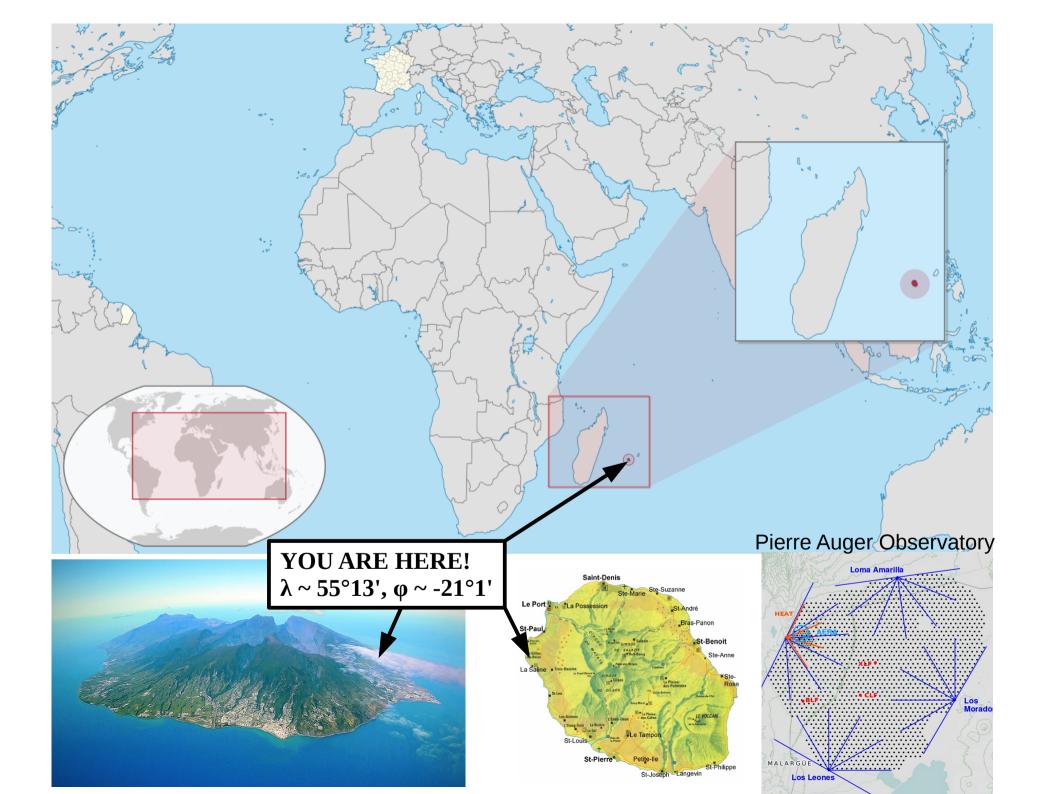


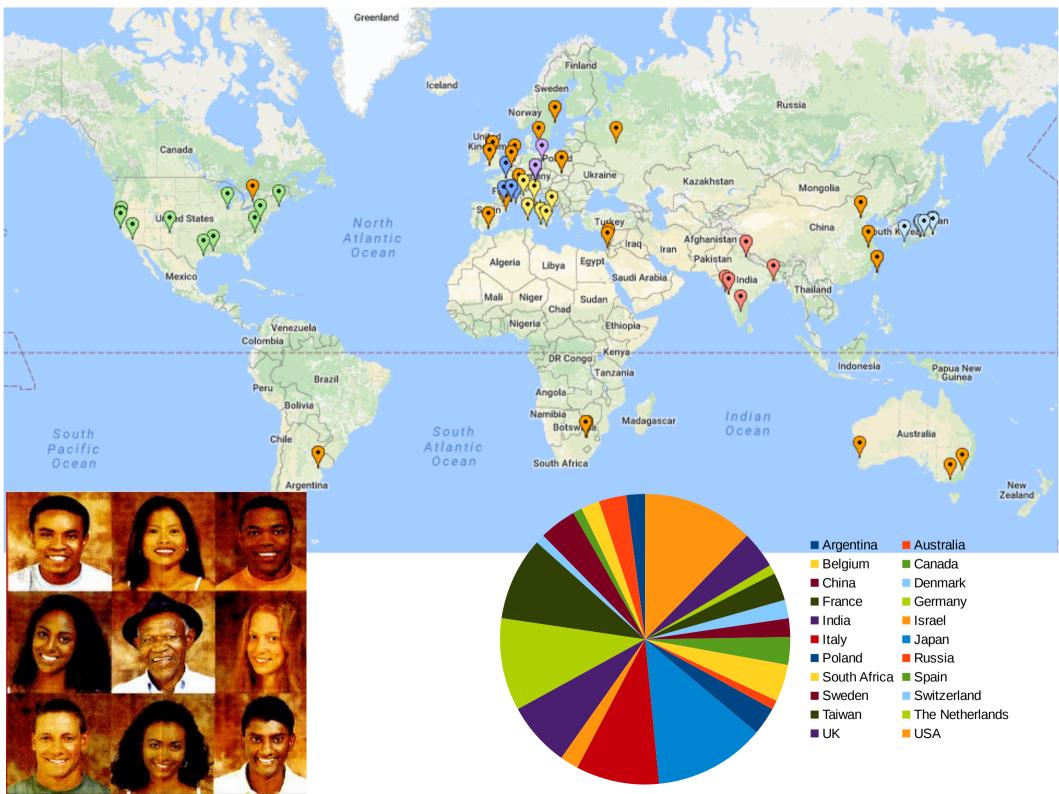
Programme National de Physique Stellaire











La Réunion: a contrasting island

The so-called «NRL » (New Coastal Road), the most expensive road in France (1.6 GE) !





About half of the island included in the list of natural sites of the UNESCO World Heritage



The Scientific Program of the IAUS 331 Symposium is comprised of 7 sessions, for a total of 75 talks including 56 Contributed (15+5 min) and 19 Invited (25+5 min), and 11 posters.

1) Massive Stars as SN progenitors: RSGs/BSGs/WRs and their surroundings – Stellar Evolution *Monday*, 09:00 – 10:30 : 3×C, 1×I & 11:00 – 12:30 : 3×C, 1×I

2) SN explosion mechanisms: theory & ND simulations of neutrino-/non-neutrino-driven mechanisms *Monday*, 14:00 – 15:30 : 3×C, 1×I & 16:00 – 17:50 : 4×C, 1×I

3) SNe as stellar explosive outcomes: SN taxonomy & properties – SN-GRB connection *Tuesday*, 09:00 – 10:30 : 3×C, 1×I & 11:00 – 12:30 : 3×C, 1×I

4) SN outcomes and impacts: SNRs : dynamics, ejecta, dust – Nucleosynthesis – Feedback on ISM *Tuesday*, 14:00 – 15:30 : 3×C, 1×I & 16:00 – 17:30 : 3×C, 1×I & Wednesday, 14:00 – 15:20 : 4×C & 15:50 – 17:20 : 3×C, 1×I

5) Poster Session: Wednesday, 17:30 – 18:30 with 3+2-min talks

6) Particle acceleration and Origin of Cosmic Rays: DSA Theory, B-field constraints – Review on CRs *Thursday*, 09:00 – 10:40 : 2×C, 2×I & 11:10 – 12:30 : 4×C

6) SN 1987A, 30 years later: Historical review – Multi-wavelength properties of the remnant *Thursday*, 14:00 – 15:30 : 3×C, 1×I & 16:00 – 18:30 : 3×C, 3×I

7) Non-thermal mwl/multi-messenger data on SNRs – GWs, Neutrinos – Future facilities & perspectives *Friday*, 09:00 – 10:30 : 3×C, 1×I & 11:00 – 12:30 : 3×C, 1×I & 14:00 – 17:30 : 6×C, 2×I

All of the above will take place in the « Leconte de Lisle » conference room Someone will be there at 08:30 every mornings \rightarrow <u>come see us to test the material in advance</u>

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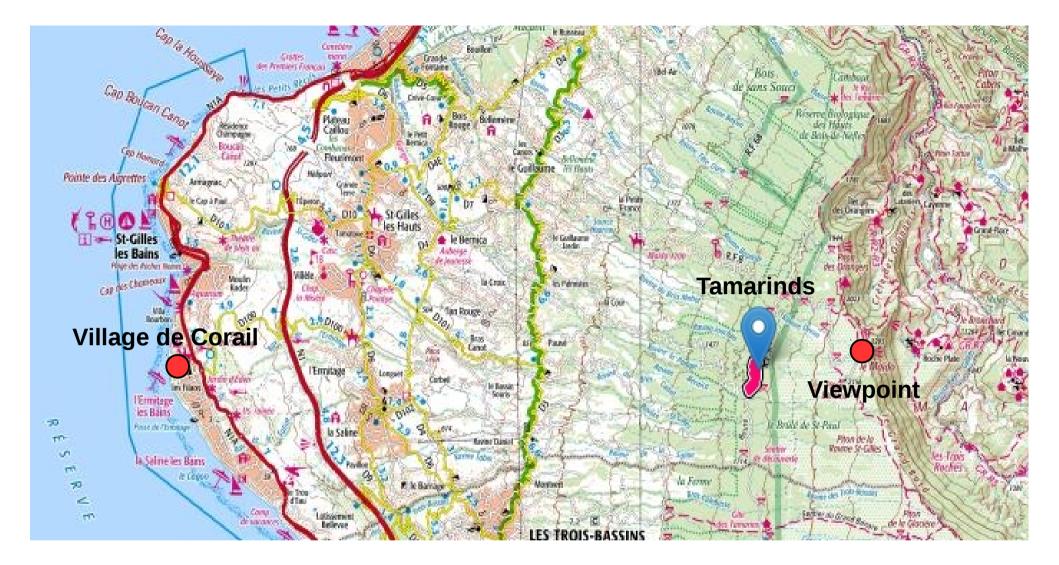
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→ Bus excursion to Le Maïdo on Wed. (07:00-12:00) 5) Poster Session: Wednesday, 17:30 – 18:30 with 3+2-min talks

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→ Bus excursion to the Volcano on Saturday (07:00-17:00)



Le Maïdo viewpoint (at above 2000 m in altitude):

Take a pullover and a bottle of water

Path of the Tamarinds (2.2 km [~1 h] long round/loop):

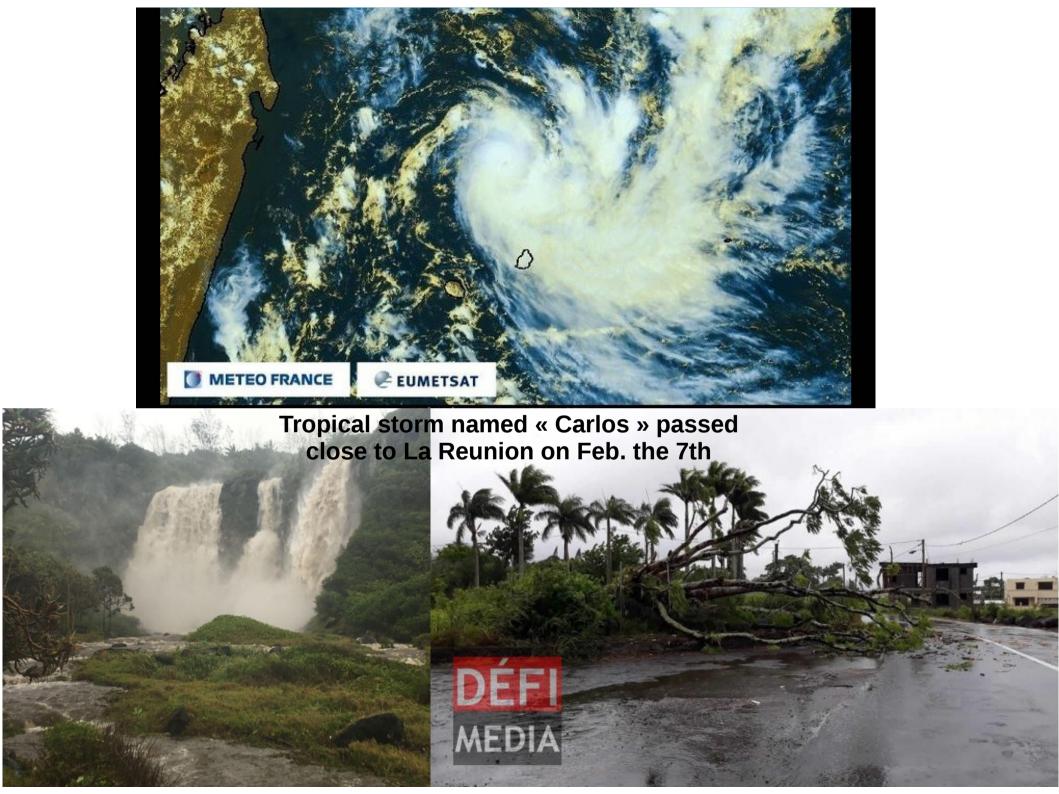
No need to have hiking shoes, but no sandals/slippers

- « Bad » news :
 - Number of simultaneous connexions through the Wifi is limited to 40 (but the network visiteurs-cg974 is password-free)
 - No guide from ONF/PNRun available for the excursion to the Maïdo. I'll be acting as such a guide (but all the other social events are scheduled as expected)

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- Miscellaneous news :
 - (Very) early breakfast at 6am (service until 6:30) on Wednesday the 22nd before departing for Le Maïdo at around 7am
 - Check out your bag: two local products (vanilla and essential oil of geranium Bourbon) in a handmade pouch, USB key, notebook, leaflets



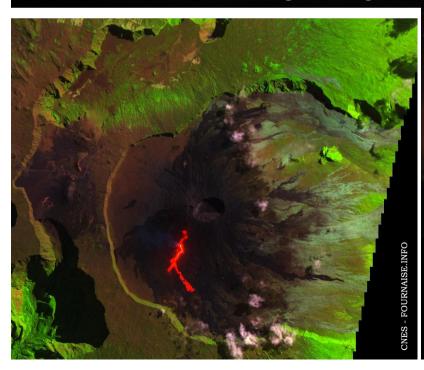
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- Good news :
 - No tropical storm is expected for this week



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 - Piton de la Fournaise (Peak of the Furnace) is erupting since Jan. 31st



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• Good news :

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- Lagoon is just a stone throw away from there

« Solar fish » (© Bruce Cauvin) in reference to the annular solar eclipse of 2016 Sep. 01

