

Atelier du GDR PCHE: Diffuse Emission (DE)

Groupe de Recherche

Phénomènes Cosmiques de Haute Energies

<http://gdr-pche.cesr.fr/>



Interdisciplinary program Astroparticles:
astrophys., plasma phys., nuclear phys., particle physics, and HE
instruments

=> Meeting on Diffuse Emissions (sponsored by the GDR PCHE)

First meeting: J. Lavalle, A. Marcowith (LPTA), D. Maurin

Second meeting: + R. Taillet (LAPTh)

Third meeting: + H. Dole (IAS)

[+ logistic and support from our respective local administrations]

DE trilogy!

Episode I: 13rd and 14th of Nov. 2008: LPTA (Montpellier)

[19 attendees (5 post-doc, 4 PhD students), 16 labs]

- Diffuse emission: keV to TeV
- FERMI, HESS, CTA (and Planck)
- Transport, turbulence, gas and radiation fields

<http://indico.in2p3.fr/conferenceDisplay.py?confId=1259> (login: GDRlpta)

=> Introductory talks and ingredients involved in the DE

Episode II: 26th and 27th of June 2009: LAPTh (Annecy)

[26 attendees (3 post-doc, 6 PhD students), 14 labs (INSU, IN2P3...)]

- Experimental challenges and techniques for DE
- CR/ γ -ray sources (pulsars, superbubble, molecular clouds)
- Turbulence, gas... and numerical simulations!

<http://indico.in2p3.fr/conferenceDisplay.py?confId=1910>

=> Deeper coverage + more discussions (concl: numerical coll. required)

Episode III: 8th and 9th of June 2010: IAS (Orsay)

=> Galactic and Extragalactic DE

Good stuff that happened

[in line with the GDRPCHÉ expectations]

- 1/3rd of attendees come back, 2/3rd fresh blood
- Mixture of experimentalists, phenomenologists and theorists
- Open, friendly and critical discussions to get a broader view on DE
- Fresh coffee and free biscuits
- Meet guys working on DE you've never heard of before...
- ...or rather guys working on problems connected to *your* DE
- Stimulates collaborations, links between communities
[mostly french-oriented, but a few external experts invited each time]
- PhD students can meet and discuss with some specialists in the field
- Non-competitive and cooperative atmosphere
- No stupid questions, only stupid answers: do ask your questions!

... expected for this meeting as well!