

Service d'Astrophysique  
SÉMINAIRE

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Jeudi 25 septembre 11h00

CEA Saclay, Orme des Merisiers Bât 709, p 220

GAMMA-RAY BINARIES: VHE BEACONS IN THE  
GALAXY

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The gamma-ray sky at very high energies (VHE,  $> 10^{11}$  eV) is far from barren. Observations by new facilities in the past years have revealed new, unsuspected sources with a rich phenomenology. Binaries are amongst these sources. Their VHE lightcurves are modulated on their orbital period. I will review the observations and physical processes at work in these intriguing systems. The gamma-ray binaries are likely to harbour very young neutron stars and I will discuss what the systems might teach us about the physics of relativistic pulsar winds, one of the long standing problems of high energy astrophysics.

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Le cafe sera servi 10 minutes avant

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