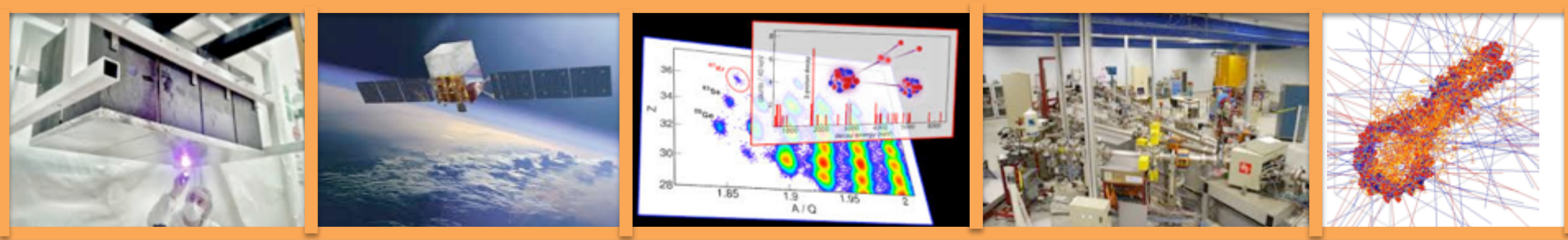


# Centre d'Etudes Nucléaires de Bordeaux-Gradignan



F. Piquemal  
(CNRS/IN2P3)



CENBG: 113 people

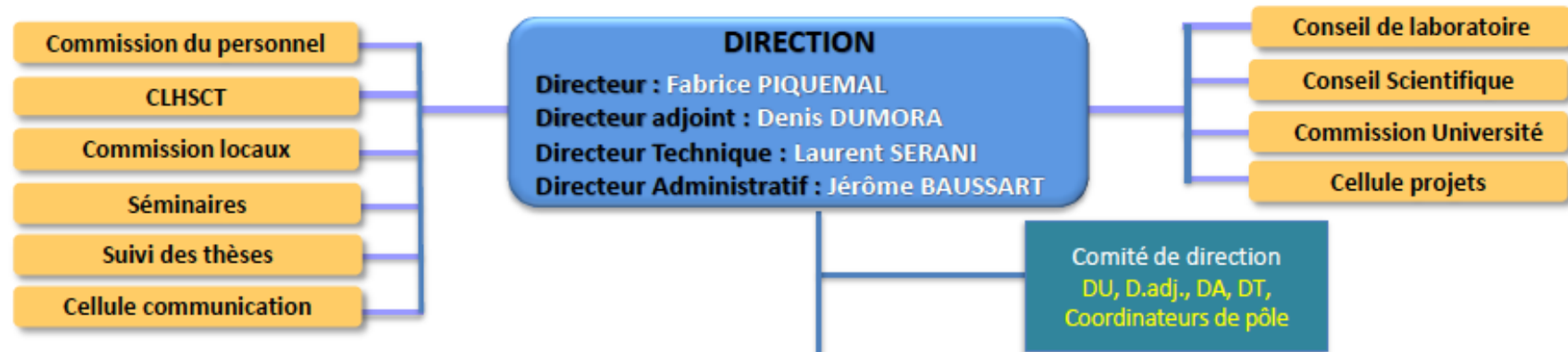
46 researchers (CNRS and University)

41 Engineers, technicians and administrative staff

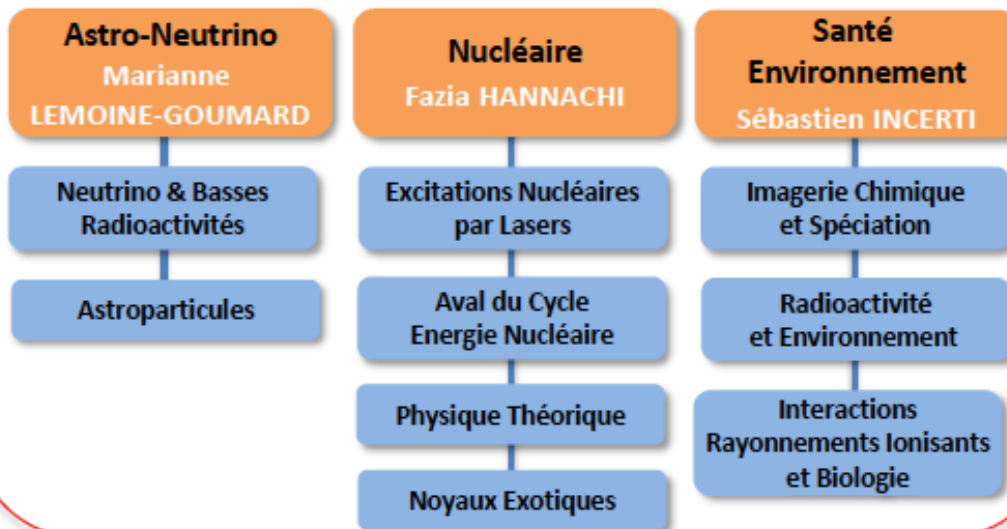
12 PhD

5 Oost-docs

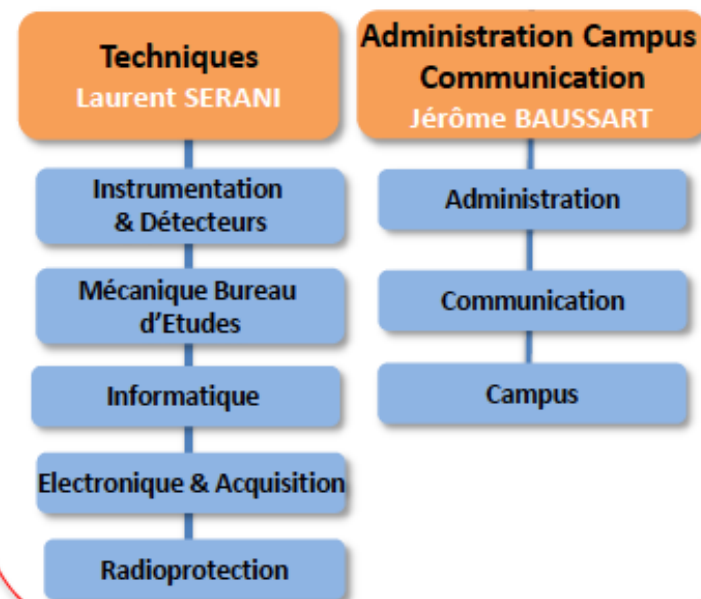
Nuclear and particle physics with interdisciplinary activities  
using nuclear and particle physics techniques



## POLES RECHERCHES



## POLES SUPPORTS

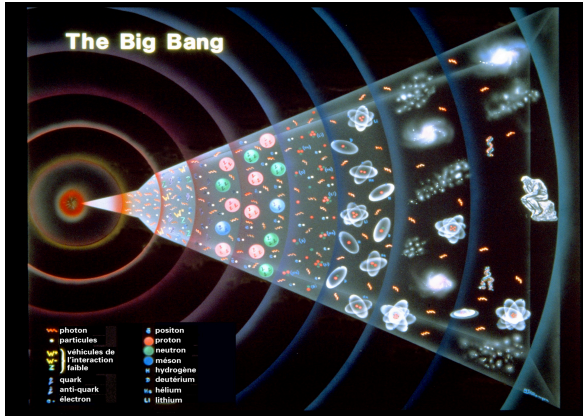


### Plates-formes

AIFIRA  
 PRISNA  
 PIAGARA

### Vecteurs de valorisation

ARCANE  
 PRISNA-Prestation  
 LabCom P2R



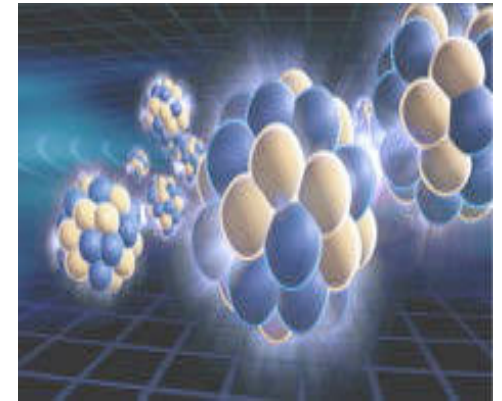
## Neutrino properties

SuperNEMO, Double Chooz, JUNO, R2D2



## Exotic nuclei

DESIR, ACTAR, HRS, PIPERADE, WISARD

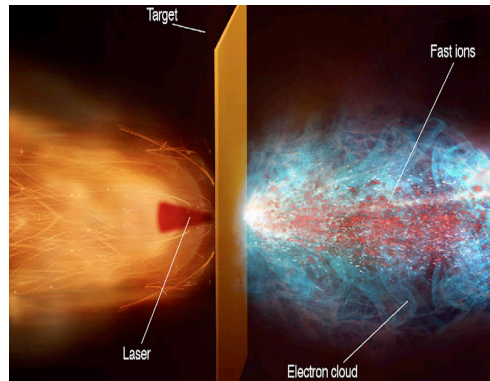


## Nuclear theory

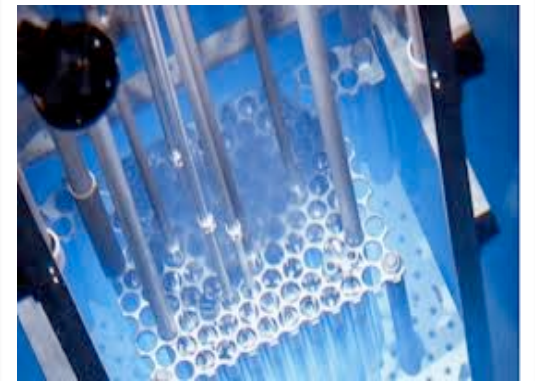


## Gamma astronomy

FERMI, HESS, CTA

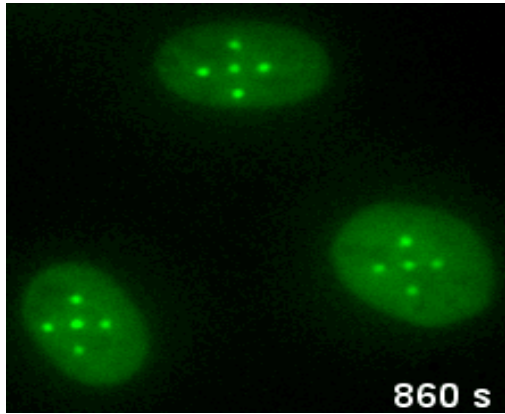


## Nuclear excitation by laser

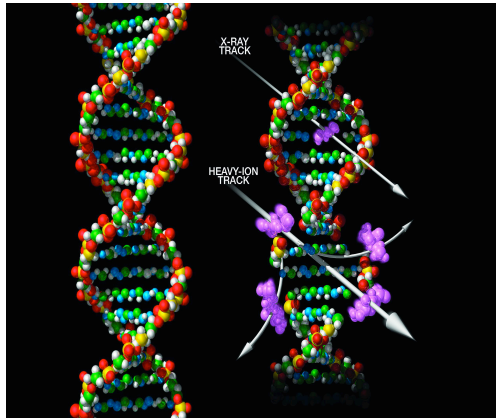


## Electronuclear cycle

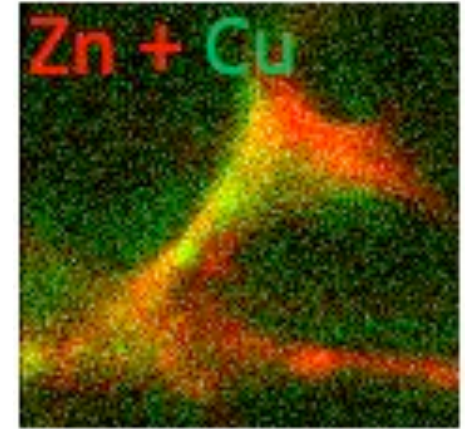
SUNRISE



**Micro irradiation and cancer  
Chemical micro-analysis and  
nanoparticles**



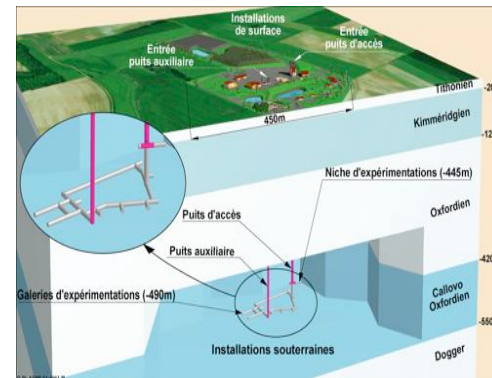
**GEANT4-DNA Simulations**



**Toxicity mechanisms**



**Cosmochemistry, Datation &  
Environmental geochemistry**



**interactions radioéléments-  
microorganismes in nuclear  
sites**

# Few experimental places



Fermi satellite

GANIL

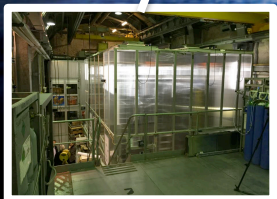


Chooz



Tchernobyl (Ukraine)

JUNO ( China)



Modane Underground Laboratory



CERN Isolde



HESS (Namibia)



RIKEN (Japan)

## AIFIRA



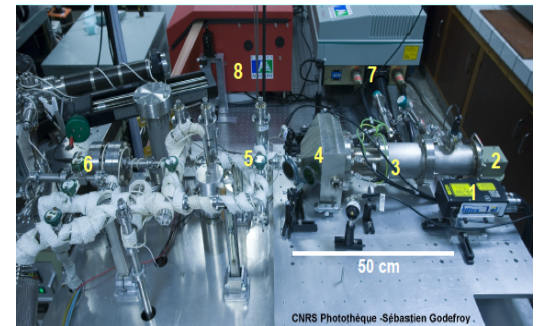
Accelerator  $H^+, D^+, He^+$   
Nuclear physics  
Neutrons  
Biology  
Chemistry  
Material sciences  
Valorization

## PRISNA



Low radioactivity facility  
Material screening  
Radon emanation  
Environment  
Datation (Bordeaux wine)  
Applications  
Valorization

## PIAGARA



Rare gas measurement  
Geochemistry  
Datation  
Environment

Have a nice meeting !



**INTERNATIONAL WORKSHOP ON  
GENERIC ELECTRONICS  
FOR PHYSICS RESEARCH**

**GET ELECTRONICS  
& BEYOND**

**USERS STATUS & FUTURE TRENDS**

**Bordeaux University, Haut Carré, France  
10-12 OCTOBER 2018**

