

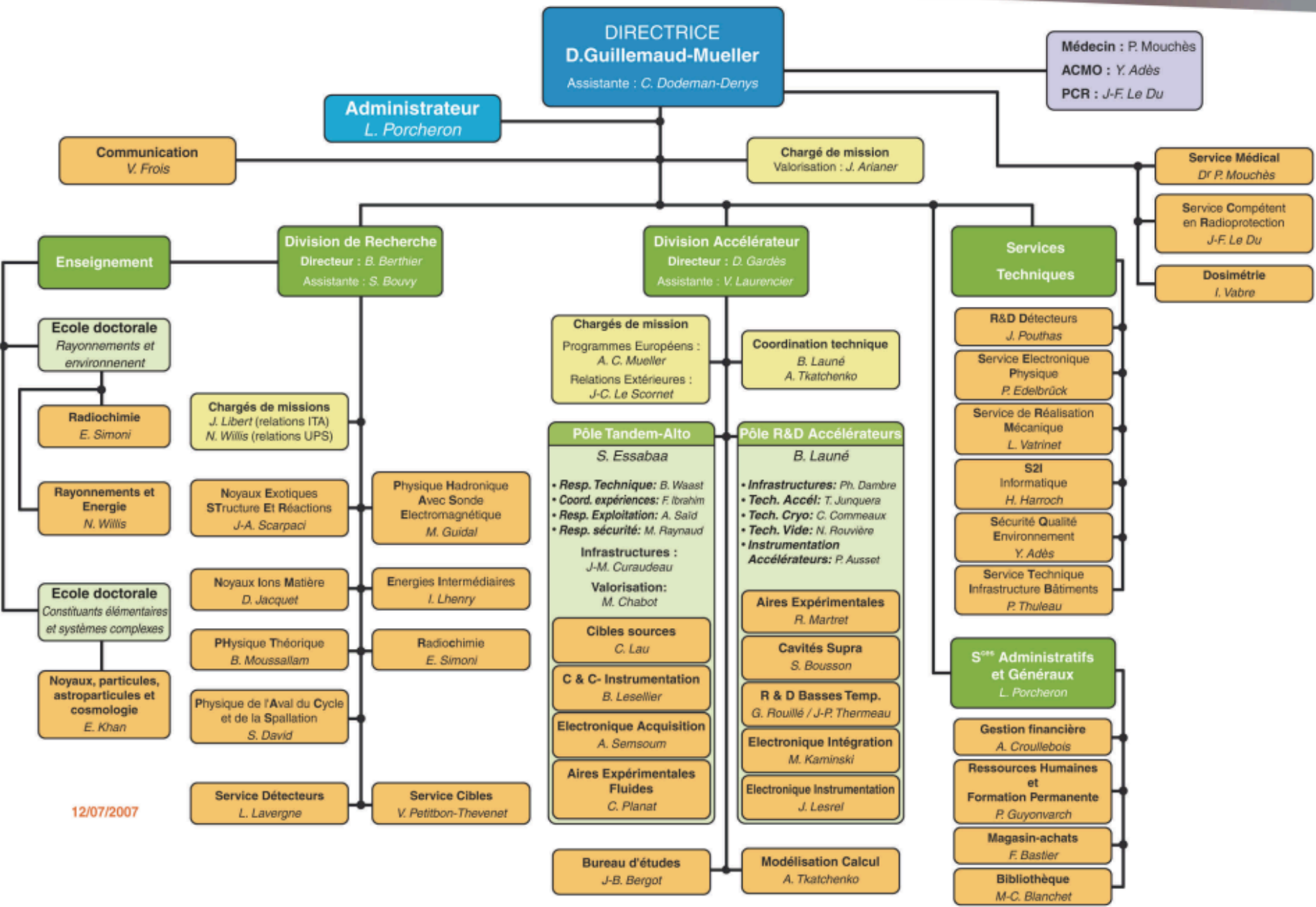
IPN Orsay

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Procedure

- Rapport d'activités
- Comptabilisation du # de chercheurs par "groupe" mais les ITA sont associés au rapport par "manip"
- Aucune information sur les budgets



12/07/2007

Nuclear Structure: 15p

- Measurements of production yields, for mass-separated fission fragments, at ALTO: 17p
- First measurement of isoscalar giant resonances in a short-lived nucleus : ^{56}Ni : 9p
- Decay pattern of pygmy states in the neutron-rich nucleus ^{26}Ne : 7p
- Lifetime measurement of the six-quasiparticle isomer in ^{140}Nd and of the three-quasiparticle isomer in ^{139}Nd : 13p
- Neutron correlations in ^6He viewed through nuclear break-up reactions: 10p
- Indirect study of the astrophysical reaction $^{13}\text{C}(\alpha, n)^{16}\text{O}$ via the transfer reaction $^{13}\text{C}(^7\text{Li}, t)^{17}\text{O}$: 13p
- Missing-mass spectroscopy of the neutron deficient nucleus ^{12}O using the MUST2 array: 13p
- Study of neutron-deficient tellurium isotopes by laser spectroscopy: 11p
- β^+/EC decay of $^{189\text{m}+g}\text{Pb}$, identification using hyperfine spectra: 3p
- Structure of low-spin states of the doubly-odd ^{182}Ir nucleus: 8p
- A copper beam with the off-line laser ion source: 11p
- Test of new LaBr_3 scintillators for nuclear-state lifetime measurements at ALTO: 4p

Hadronic Physics & Matter: 12p

- Study of generalized parton distributions at Jefferson laboratory: 5p
- G0 back angles: 4p
- The PVA4 parity violation experiment: 8p
- Simultaneous photoproduction of η and π^0 mesons on the proton at GRAAL: 4p
- Double π^0 photoproduction on the neutron at GRAAL: 4p
- Distillation of HD gas and measurement of spin-lattice relaxation times: 4p
- GEp — III: 1p
- Installation of the ALICE dimuon forward spectrometer — study of heavy flavors production in the color glass condensate model: 27p*
- Status of the HADES experiments: Heavy ion reactions: 6p
- Preparation of future experiments at PANDA: 10p
- PHENIX: 6p
- Evidence for low mass mesonic structures: 1p
- Contribution to the study of narrow low mass hadronic structures: 1p

Astroparticules: 8p

- Pierre Auger southern observatory: 8p

Theoretical physics: 20p*

- Identification of the $K^*(800)$ scalar resonance in pion-kaon scattering: 1p
- Naturalness of order six chiral coupling constants: 1p
- Precision tests of non-standard electroweak couplings of quarks: 2p
- Single and double phonon excitations : configuration interaction study and second RPA: 1p
- Evolution of shell structure bubbles in nuclei far from the stability: 4p
- Low energy excitations in nuclear systems: from exotic nuclei to the crust on neutron stars: 4p
- Signs of dynamical effects for Cd, Sn, Te, Xe, Ba and Sm nuclear charge radii: 3p
- Three-body problem ; integrable systems: 3p
- Inverse problem in the case of bound states: 2p
- Response function in homogeneous nuclear matter: 2p
- Unbound exotic nuclei studied by projectile fragmentation: 1p
- Li spectrum from ^{11}Li fragmentation: 1p
- The $T=0$ effective interaction in ^{14}N and ^{10}B : 1p
- ...

*: dont 5 “bénévoles”

Hot Nuclei: 12p

- Freeze-out properties of multifragmenting single source events produced in central Xe+Sn collisions: 6p
- Size hierarchy and fluctuations of observables in fragmentation of excited heavy nuclei: 5p
- Bimodal behaviour of the heaviest fragment distribution in projectile fragmentation: 4p
- Dynamical simulation studies of isospin diffusion in semi-peripheral collisions: 3p
- Super heavy elements stability probed by fission time measurements: 3p

Energy & environment: ~10p

- Mineral surfaces—actinides interactions studies : spectroscopic, theoretical and thermodynamic approaches: 8p
- Studies on oxide and phosphate based matrices loaded with actinides : sintering and dissolution: 5p
- Prediction of ligand promoted dissolution rates of ThO₂ from the reactivities of aqueous complexes. Dissolution behavior of Th_{1-x}Pu_xO₂: 2p
- Speciation of uranyl in the presence of chloride and bromide ions in room temperature ionic liquids: 6p
- Characterization of corrosion products formed on leached UO₂ after alpha irradiation by luminescence spectroscopy: 2p
- Study of uranyl interaction with senelite and mellitata by TRLIFS: 3p
- Synthesis, electrochemical characterization and dissolution of uranium monocarbide (UC): 4p
- MURE: MCNP Utilities for Reactor Evolution: 5p
- MURE Simulations: The Thorium Cycle. Fast Reactors: 5p
- Fission cross sections of actinides at nTOF, from resonances to spallation: 9p
- CACAO: a laboratory project for the production and characterization of radioactive targets: 6p

Particle Matter Interaction:~5p

- Study of channelling effects in silicon detectors for pulse shape applications: 5p
- Molecular fragmentation measurements with the AGAT detector at the TANDEM facility : an astrochemical application: 4p
- Massive clusters. Secondary emission from the keV to the MeV region : a new SIMS probe: 3p
- SAHAT : an Hydrocarbone Anion Source at the TANDEM facility: 2p