

IPN Orsay

COLLOQUIUM

Auditorium Irène Joliot-Curie



Pr. Dr. Sydney GALÈS
IPN Orsay, ELI-NP

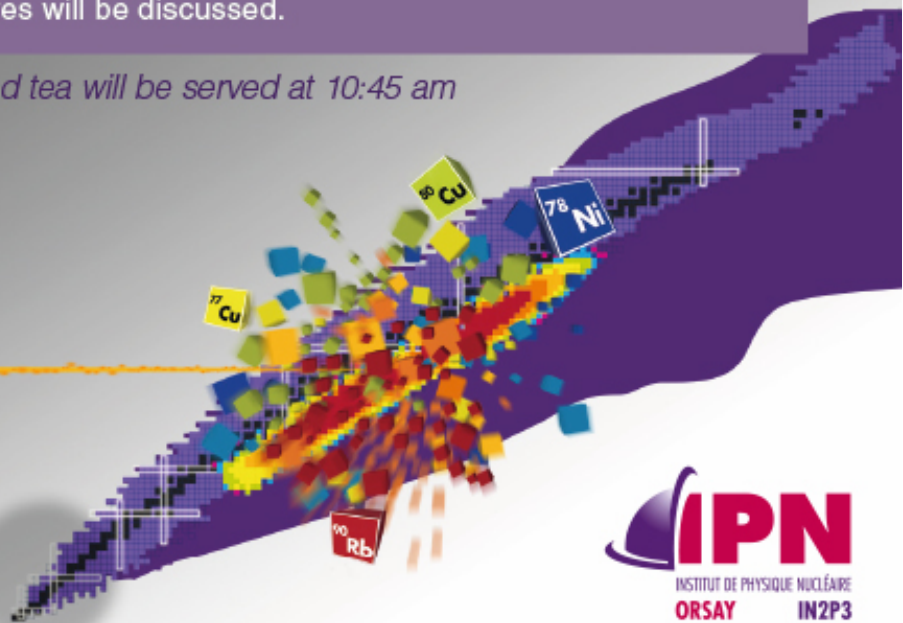
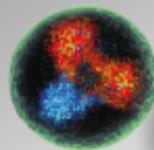
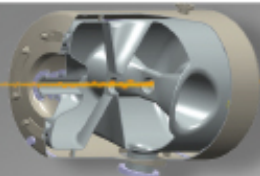
Pr. Dr. S. Galès is an internationally renowned nuclear physicist. Since he joined CNRS in 1970, he has made key contributions in nuclear structure, reactions and accelerator physics, while assuming many responsibilities in France as the director of IPNO ('94 - '02), deputy director of IN2P3/CNRS ('04 - '12) and director of GANIL ('05 - '11) as well as in the international nuclear physics community as the project leader of AGOR (Accelerator Groningen-Orsay, '86 - '94) or the chairman of NuPECC ('96 - '99). In 2013, he was named as the scientific director of the ELI-NP project. He is a recipient of various distinctions that include Knight of the Queen (The Netherlands, '95), Chevalier de l'ordre national du Mérite (France, '97), Flerov Prize (Russia, '09), Elected member of Academia Europaea ('12), and most recently, Grand Prix Felix Robin (SFP, '14).

Monday - March 9, 2015 - 11 AM*

ELI-NP: Marriage of Laser and Accelerator Technology

The development of high power lasers and the combination of such novel devices with accelerator technology has enlarged the science reach of many research fields, in particular High energy, Nuclear and Astrophysics as well as societal applications in Material Science, Nuclear Energy and Medicine. The Project Extreme Light Infrastructure (ELI) is part of the European Strategic Forum for Research Infrastructures (ESFRI) Roadmap. ELI will be built as a network of three complementary pillars at the frontier of laser technologies. The ELI-NP pillar (NP for Nuclear Physics) is under construction near Bucharest (Romania) and will develop a scientific program using two 10 PW lasers and a Compton back-scattering high-brilliance and intense gamma beam, a marriage of laser and accelerator technology at the frontier of knowledge. In this Colloquium, the technical description of the facility, the present status of the project as well as the science, applications and future perspectives will be discussed.

*Coffee and tea will be served at 10:45 am



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