

EPS introduces new Lise Meitner prize



Peter Armbruster



Muenzenberg

The Nuclear Physics Board of the European Physical Society has created a new prize - called the Lise Meitner prize - for nuclear science with sponsorship from the company Eurisys Mesures. The award consists of a medal, a diploma and \uparrow 5000 in cash.

The first recipients, for the year 2000, are Peter Armbruster and Gottfried Muenzenberg of GSI in Darmstadt and Yuri Ts Oganessian of the Flerov Laboratory of Nuclear Reactions in Dubna for their unique work over a long period on the synthesis of heavy elements, which has led to the discovery of elements in the nuclear charge region 102 to 105 (dubnium), as well as bohrium (107), hassium (108) and meitnerium (109).



Oganessian

These discoveries involved extensive developments of experimental techniques and the use of a specific reaction mechanism - the "cold" fusion of two heavy nuclei. Measurements of these elements provide an important cornerstone to the concept of deformed shells in nuclei, the existence of which is responsible for the increased stability of the new nuclei.

The prize was given to Peter Armbruster at the XXXIX International Winter Meeting on Nuclear Physics in Bormio in January. The other two laureates will be honoured at the Europhysics meeting on East-West Collaboration in Nuclear Science in Sandanski, Bulgaria, in May.

See <http://fidabs.ing.unibs.it/eps-npb/> and <http://www.eurisysmesures.com/>.