Level density and γ strength – achievements and challenges

Ann Cecilie Larsen

Department of Physics/SAFE, University of Oslo, Norway

The nuclear level density and the γ -ray strength function are two indispensable quantities in many respects, e.g., for cross-section calculations. However, for the major part of the nuclear chart, our understanding and knowledge of these functions are not satisfactory. In this talk, some of the aspects of today's status and experimental challenges will be addressed.