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ANNEXES

ANNEX I

FIELDS OF RESEARCH CONCERNING NUCLEAR ENERGY REFERRED TO IN ARTICLE 4 OF THIS TREATY

II. Physics applied to nuclear energy

1. Applied theoretical physics:
 - (a) low energy nuclear reactions, in particular neutron induced reactions;
 - (b) fission;
 - (c) interaction of ionizing radiation and photons with matter;
 - (d) solid state theory;
 - (e) study of fusion, with particular reference to the behaviour of an ionized plasma under the action of electromagnetic forces and to the thermodynamics of extremely high temperatures.
2. Applied experimental physics:
 - (a) the same subjects as those specified in 1 above;
 - (b) study of the properties of transuranic elements of importance in the field of nuclear energy.
3. Reactor calculations:
 - (a) theoretical macroscopic neutron physics;
 - (b) experimental neutron measurements; exponential and critical experiments;
 - (c) thermodynamic calculations and calculations of strength of materials;
 - (d) corresponding experimental measurements;
 - (e) reactor kinetics, reactor control problems and relevant experiments;
 - (f) radiation protection calculations and relevant experiments.