IEC - 219

Draft proposal (June 14, 2000)

Workshop on

Nuclear Reaction Statistical Models and Code Development

Santa Fe/Los Alamos, 2-3 days in June 2001, adjacent to NEA-WPEC meeting

Objectives

- Bring together scientists from various fields where statistical models are of importance: nuclear data, nuclear astrophysics, heavy-ion interactions, radioactive beams, accelerator-driven systems
- Provide forum for exchange of theory, modeling and computation ideas, including experiences and comparison of codes
- Stimulate the development of modern modeling codes, as well as an international-standard code

Scope

- Nuclear reaction models at low energies: Hauser-Feshbach, preequilibrium, multistep and fission, including Monte Carlo approaches
- Techniques and codes used by various research communities
- Requirements of calculated quantities for ENDF files

Participants (15-20)

- Nuclear data evaluators (incident neutrons, light charged-particles and photons up to about 200 MeV)
- Nuclear astrophysics (incident neutrons and light charged particles at very low energies - below a few MeV)
- Heavy-ion interactions (fusion reactions)

Organizers

- M.B. Chadwick (LANL, Los Alamos), P. Oblozinsky (BNL, Brookhaven)
- Sponsored by BNL, LANL and NEA-WPEC