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EDEP-1/PC

Heavy Ion Energy Deposition Code System for PC

EDEP-1/PC calculates the distribution of energy deposited in collisions for a beam of heavy ions coming to rest in an amorphous target material of up to six atomic components.

The main purpose of this new release of the code is the employment of improved stopping powers that have been developed since the original program appeared. The new stopping power for elastic collisions is described. The stopping power cross sections for elastic atomic collisions are those of Wilson, et al. based on a realistic interatomic potential. The original program uses the inelastic stopping law of Lindhard, et al. In the present work, the phenomenological fit given by Land and Brennan partially replaces this approximation

We at Galaxy Advanced Engineering, Inc. (GAE) have taken the steps to produce the PC version i.e. **EDEP-1/PC**. Currently the program is operating on IBM/PC or 100% compatibles under PC/DOS or PC/Windows95/98 and NT operating system. To obtain the code and more information, please contact our company or call us at 650-525-1314.