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POTAUS

A PC code for calculating the stopping power and range data of various beams in various materials, by F.E. Chukreev, CAJaD (Nucl. Data Center) of the Kurchatov Institute of Atomic Energy, Moscow. The code is based on P.G. Steward, report UCRL-18127 (1968).

The diskette contains 3 files: HELPER.DOC
 POTAUS.EXE
 POTAUS2.EXE

The HELPER file is a text file which can be read by any text editor. It gives all explanations needed.

Call the code by typing

POTAUS Enter - if your PC has a mathematical coprocessor, or
 POTAUS2 Enter - if your PC is without a coprocessor.

Note that the code works only when the printer is in "ready" position.

The code will request input information on

- Z and A of the ion beam,
- the composition of the target to be specified by Z, A and multiplicity of up to 10 elements,
- the beam energy(ies) to be given in MeV/AMU with a decimal point.

The calculated stopping power and range data will appear on the printer.

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