
FUDGE: A PROGRAM FOR PERFORMING NUCLEAR DATA TESTING AND SENSITIVITY STUDIES

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We have developed a program called FUDGE which allows one to modify data from LLNL's nuclear database. After modification, FUDGE can then be instructed to process the data into the formats used by the deterministic (ndf) and the Monte Carlo (MCAPM) transport codes. This capability allows end users to perform nuclear data sensitivity studies without modification of the user code. FUDGE is designed to be user friendly (object-oriented) and fast (the modification and processing typically takes about a minute). It uses python as a front-end, making it flexible and scriptable. Comparison, plotting and printing of the data are also supported. An overview of FUDGE will be presented as well as examples.