CRAAMD Atomic and Molecular Database

Jun Yan,1

¹ Institute of Applied Physics and Computational Mathematics, Beijing 100088, P.R. China

yan_jun@iapcm.ac.cn

Domain: Fusion

China Research Association of Atomic and Molecular Data (CRAAMD) aims at organizing physicists and groups on atomic and molecular (AM) physics in China to measure, calculate, collect, compile and assess AM data. Since the ICAMDATA 04 held in Toki, Japan, more than ten groups in different Chinese universities and institutes joined the CRAAMD and contributed a lot to the CRAAMD AM database, an extensive AM data were produced, compiled and assessed, such as atomic energy levels and radiative transition properties, molecular spectra, precise ionization potential and viberational energy levels of molecular ions, data of collision between electron and atom/molecular, heavy particles collision data, opacity data, and so on. These activities will be introduced in detail in present paper.