

Development of Standard Reference Data on A+M Data for Plasma at National Fusion Research Institute**Jung-Sik Yoon[†] and DCPD members**

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The study of atomic and molecular (A+M) physics using electron, ion and neutral have been an active area of experimental and theoretical research for several years. Since, the interactions with various atomic and molecular target play an important role in many areas, such as nuclear fusion, semiconductor manufacturing, lighting, propulsion, environmental remediation and material processing. In addition, as interest has increased in the interaction between low-temperature plasmas and materials, the role of modeling and simulation of processing plasmas has become important in understanding the effects of charged particles and radicals in plasma applications.

In order to store, retrieve and digest vast quantities of A+M have been of great interest since the need of such a scientific and technical data are explosively increased with a remarkable growth of industry. Also, the demands of reliable and accurate well evaluated data have been greatly increased. Thus, Korea government have archived and distributed data which are evaluated on accuracy and reliability and authorized. Also, established National Center for Standard Reference Data (NCSRD) and specialized Data Center in order to develop and distribute Standard Reference Data (SRD).

In this presentation, we briefly introduce the overall data evaluation system of SRD and the development and distribution of SRD for A+M data for plasma.

[†] footnote to Author1