Application of MDSplus for the Management of the Pulsed-based Experimental data in KSTAR Tokamak

Taegu Lee *, Sangil Lee, Sulhee Baek and Mikyung Park

National Fusion Research Institute (NFRI), Daejeon, Republic of Korea

Introduction

K§TAR:

- Ising two types of database :
 - EPICS Channel Archiver : continuously produced machine operational data at a low rate
- MDSplus : shot-based experimental pulse data with a large volume
- Development & Operating software : EPICS (R3.14.8.2 & R3.14.10), MDSplus (v.2.0.1 Sep.2008), Qt (R4.3.2), Linux (Kernel 2.6), Vxworks (Tornado2.2)
 Experiment data structure upgraded for more flexible management

