

Abstract Submitted
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A New ITPA Disruption Database¹ A.W. HYATT, J.C. WESLEY, E.J. STRAIT, D.P. SCHISSEL, S.M. FLANAGAN, General Atomics — Following a request by the International Tokamak Physics Activity (ITPA), DIII-D/General Atomics is hosting a new multi-device database designed to address scientific and engineering issues specific to disruptions in tokamak plasmas. A multi-device database containing a wide range of disruption relevant information will be very useful in setting design and operational limits for ITER. This new database is now operational, and will allow a user at any participating institution access to a broad range of disruption and equilibrium data of vetted discharges drawn from each contributing institution. Contributing institutions will populate and maintain their own disruption data. The goal is a common set of data allowing scientific exploration and engineering extrapolation. Primary data storage utilizes the MDSplus format, with all scalar data mirrored in a SQL relational database format. Data from several hundred shots at DIII-D will be presented along with data from other devices. Data structure, accessibility and security issues will be discussed, and participation solicited.

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