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**Systematics of Hot Giant Dipole Resonance Parameters**¹ AN-
DREAS SCHILLER, Ohio University, MICHAEL THOENNESSEN, KATHERINE
MCALPINE, Michigan State University — The dependence of the Giant Dipole
Resonance (GDR) width on spin and temperature is a much debated subject in the
literature. A universal scaling law has been proposed by Kusnezov et al. [D. Kus-
nezov et al. Phys. Rev. Lett. 81, 542 (1998)]. Recently, we completed a literature
survey of GDR parameters which provided us with a data set about five times as big
as the one which was used by Kusnezov et al. [A. Schiller and M. Thoennesen, At.
Data Nucl. Data Tables 93, 549 (2007)]. The Kusnezov scaling law is tested over
this larger data set. The data is also broken down into subsets of data with common
characteristics such as deformation. We will discuss the limits of applicability of the
Kusnezov scaling law.

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