

## FOR GAMMA-DECAY AND PHOTOABSORPTION

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Photoabsorption cross sections and  $\gamma$ -decay strength function are calculated and compared with experimental data to test the existing models of dipole radiative strength functions (RSF) for the middle-weight and heavy atomic nuclei. Ready-to-use tables of giant dipole resonance parameters with their errors are prepared. Systematics for GDR energy and width are given. It is shown that the phenomenological closed-form models with asymmetric shape can be used for overall estimates of the dipole RSF in the  $\gamma$ -ray energy region up to about 20 MeV, when GDR parameters are known or their systematics can be adopted.