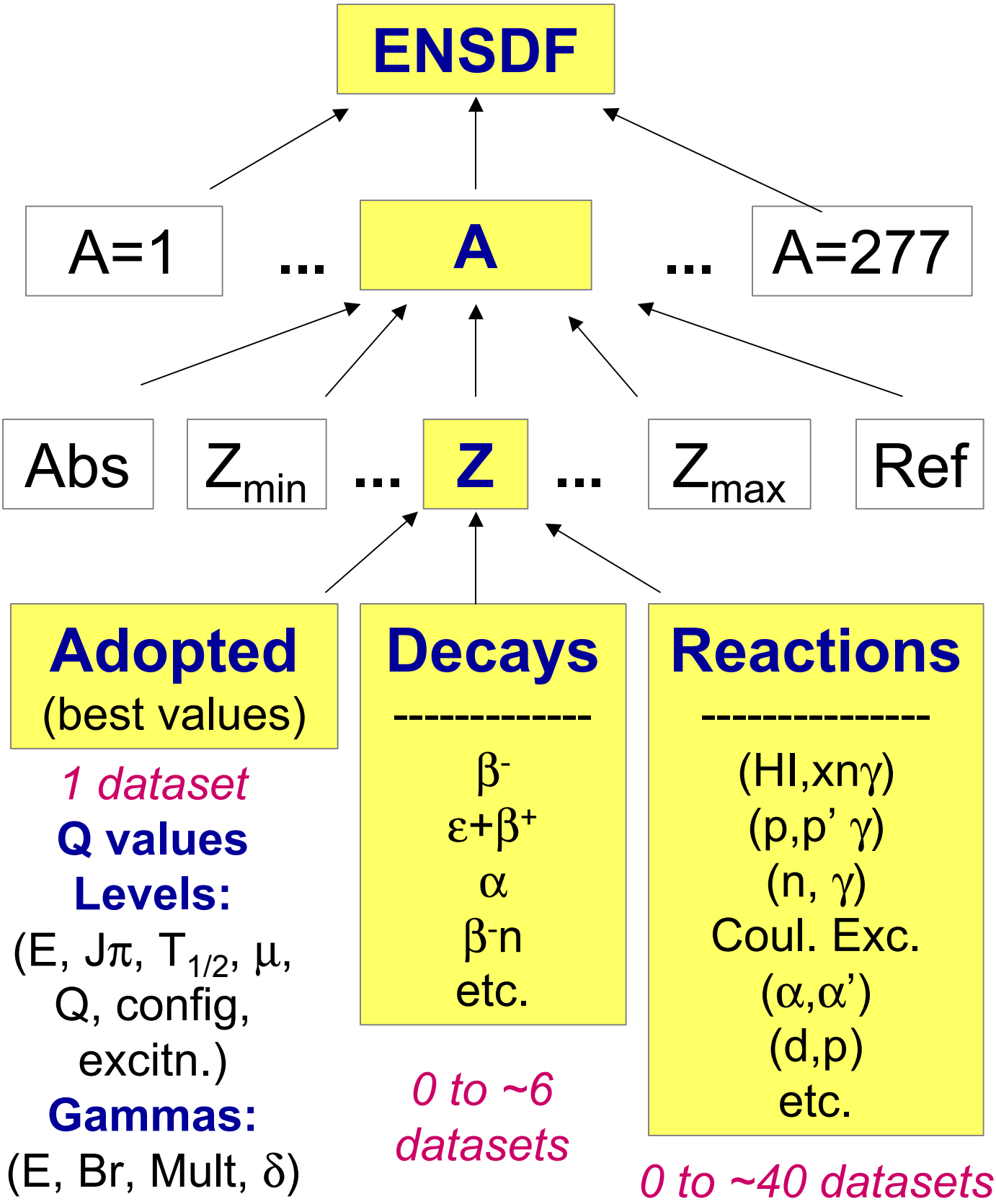
ENSDF Database Structure



ADOPTED LEVELS, GAMMAS

Q values:
Usually rounded values from 95Au04.
Add new S(p), Q(α) (with keyno.) if available; compare with 95Au04 value. ← Example 1
Optional: Comment on uncertainties in 'SY' values; note newly-measured masses if very different from Audi's prediction.

Other Reactions:
Give reaction and keyno if wanted for completeness, but no data have been used; e.g., a continuum gamma study.

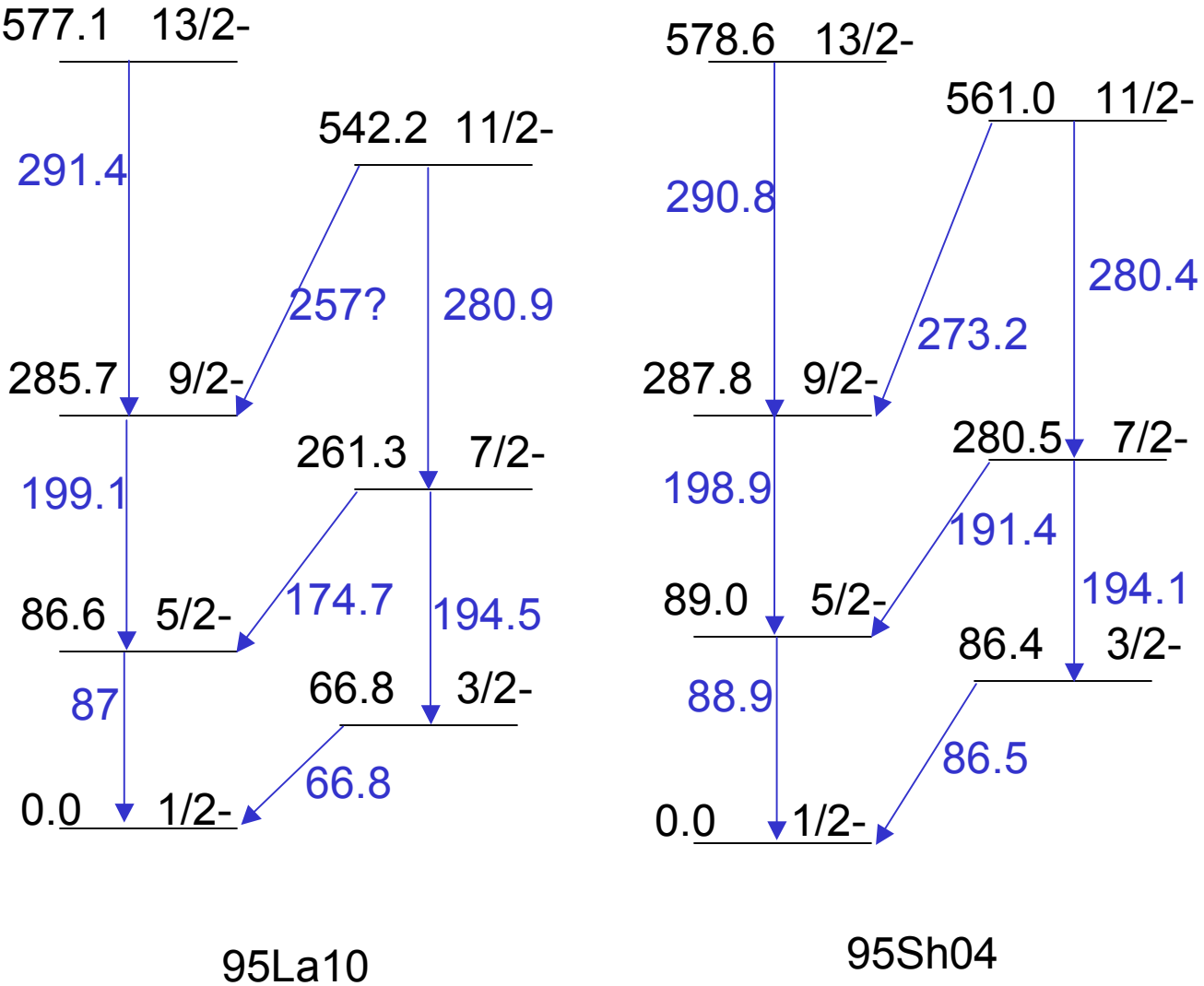
Define XREF Symbols:
Every DSID in nuclide must be listed here, even if it won't be associated with a specific level.

General Comments:
e.g., Production/Identification, keyno lists for major shell model calcs. or isotope shift/hfs refs.

Level & Gamma Properties:

General:

- Every nuclide must have at least 1 level.
- Document sources of all data (dataset name, not just keyno.).
- Comment on serious discrepancies.
- Specify whether 'average' is weighted or unweighted (use larger of internal & external uncertainties in weighted av.)
- Remember to round off so uncertainty <26
- Remember that 'level' and 'gamma' data appear in different tables in NDS; unhelpful to say "Jpi for levels with γ to 8+ isomer based on …" (in level table) or "mult for γ's observed in low spin reactions is from …" (in γ table).



$^{155}Gd(^{32}S,4n\gamma)$

^{183}Hg, 1/2[521] Band