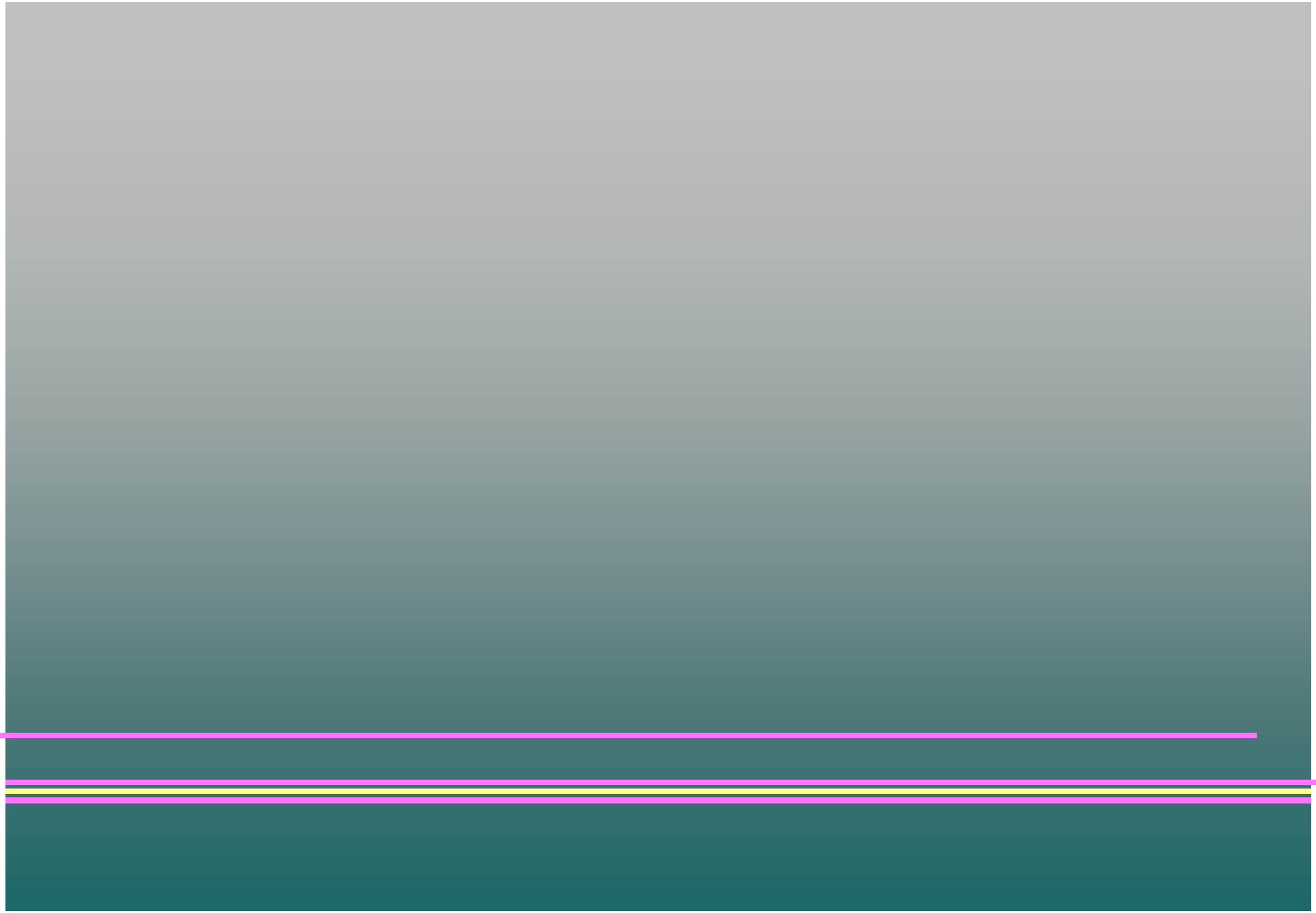


Introduction- why store benchmarks??

Benchmark data have been poorly maintained or lost over the past many years. Costs to revive and store in permanent, intelligent archives are minor compared to costs of the experiment.

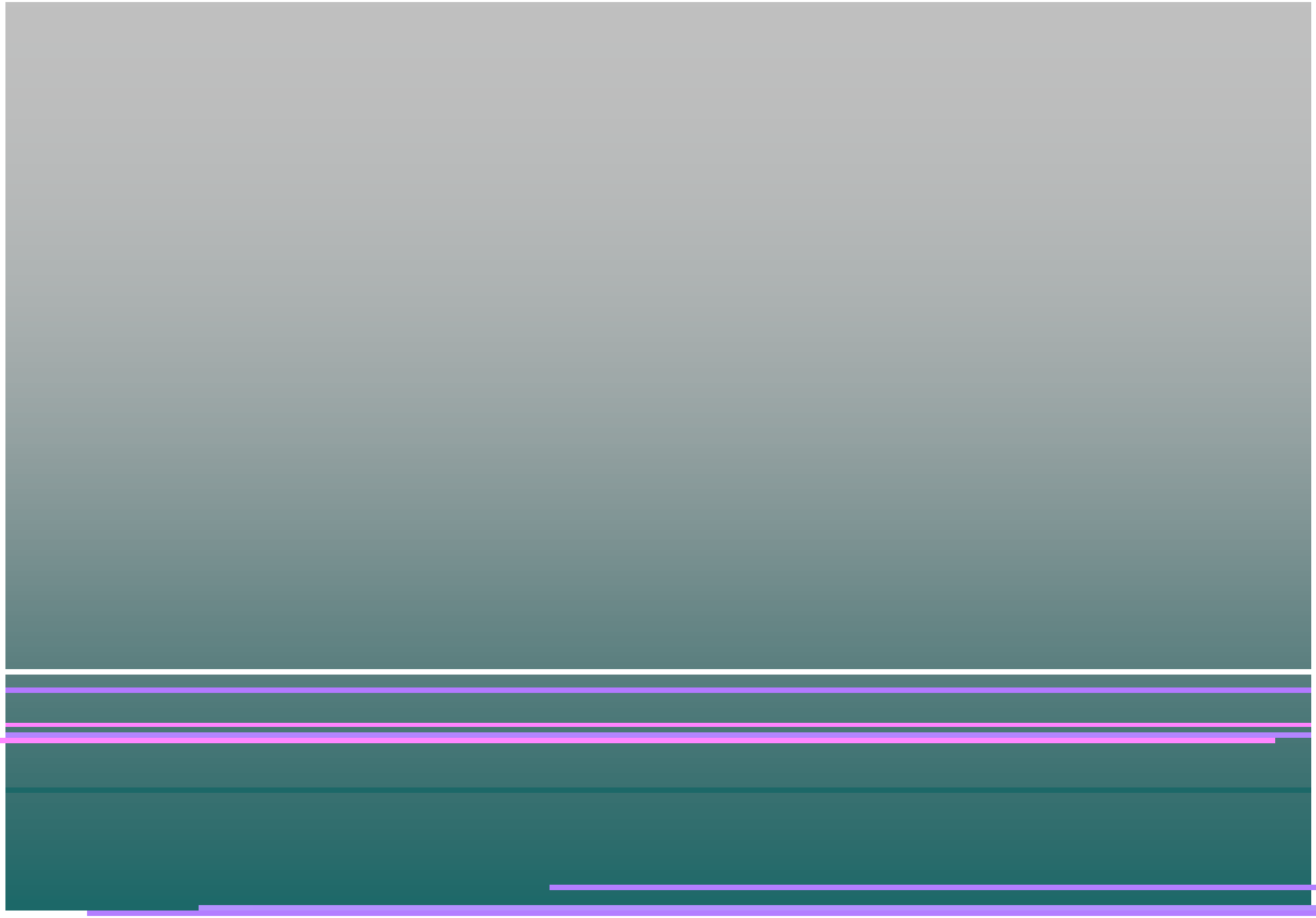
Older data may be important for future analysis nuclear shielding, criticality, shipping casks, etc. Computations are affected by preparation time (data collection and data input).

SINBAD Database - includes:

- Shielding - Fission, Fusion, Accelerator, Radioisotope, etc.
- Benchmark - Sanctioned, Published, Longevity, Computational Verification...
- Storage, Retrieval, Display - PC database, Unix HTML files, Browsers....

Benchmark Information - includes:

- Source information, #particles / time*solid angle and source geometry
- Experimental geometry, materials, background shielding
- Data results, detector information, unfolding software, error analysis



UNIX system, WWW Retrieval

- All SINBAD documents are WWW compatible, HTML or PDF formats
- Hyperlinks, text keyword searches.

New Additions/Updates

- SINBAD as a living database
- Constant improvements/feedback/corrections
- Expansion of experiments, types, and their computations

Conclusion

- SINBAD as QA database and archive
- Has infinite, flexible storage, and popular data formats
- Broad Scientific Application - International, Data Comparison, Multiple Use
- Inexpensive to own, operate

Future of SINBAD

- Addition of more shielding materials, greater source, data energy ranges.
- Addition of computational model results from analysis.
- Expand Archive of Benchmark reference materials (scanned, electronic, text, pdf)

Correct INPUT Data-

Used Wrong Input Data