What I do

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- With Simon, the literature scan (but I don't scan for the low-mass mesons).
- The π and η (but these now belong to Jean-François); Chris Grab encoder.
- The "stable" baryons (p, n, ..., Ω^-); Chris Grab encoder.
- The baryons resonances (N^*s, Y^*s, ...); Ron Workman encoder.
- The c baryons; Steve Blusk encoder.
- The D^+, D^0, D_s^+; Steve Blusk, David Asner encoders.

(The above accounted for 14% of the new data entries in the 2010 Review.)

- Edit reviews that go with the above; David Asner, Jon Rosner, Sheldon Stone.
- Various odds and ends, such as contact with the CODATA people about fundamental constants.

Getting reviews

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- Selecting a reviewer (needs prior authorization). Getting an approved candidate to "run."

- Getting writing/updates:
  - > on time;
  - > in TEX; in the latest PDG version (not the 2-year-old original);
  - > on the subject, not on everything the writer knows;
  - > integrated with the data in the Review, not stand-alone;
  - > prose closer to Hemingway than to Faulkner;

- Getting reviewers of the review. Moderating comments and criticisms.

Charm baryons

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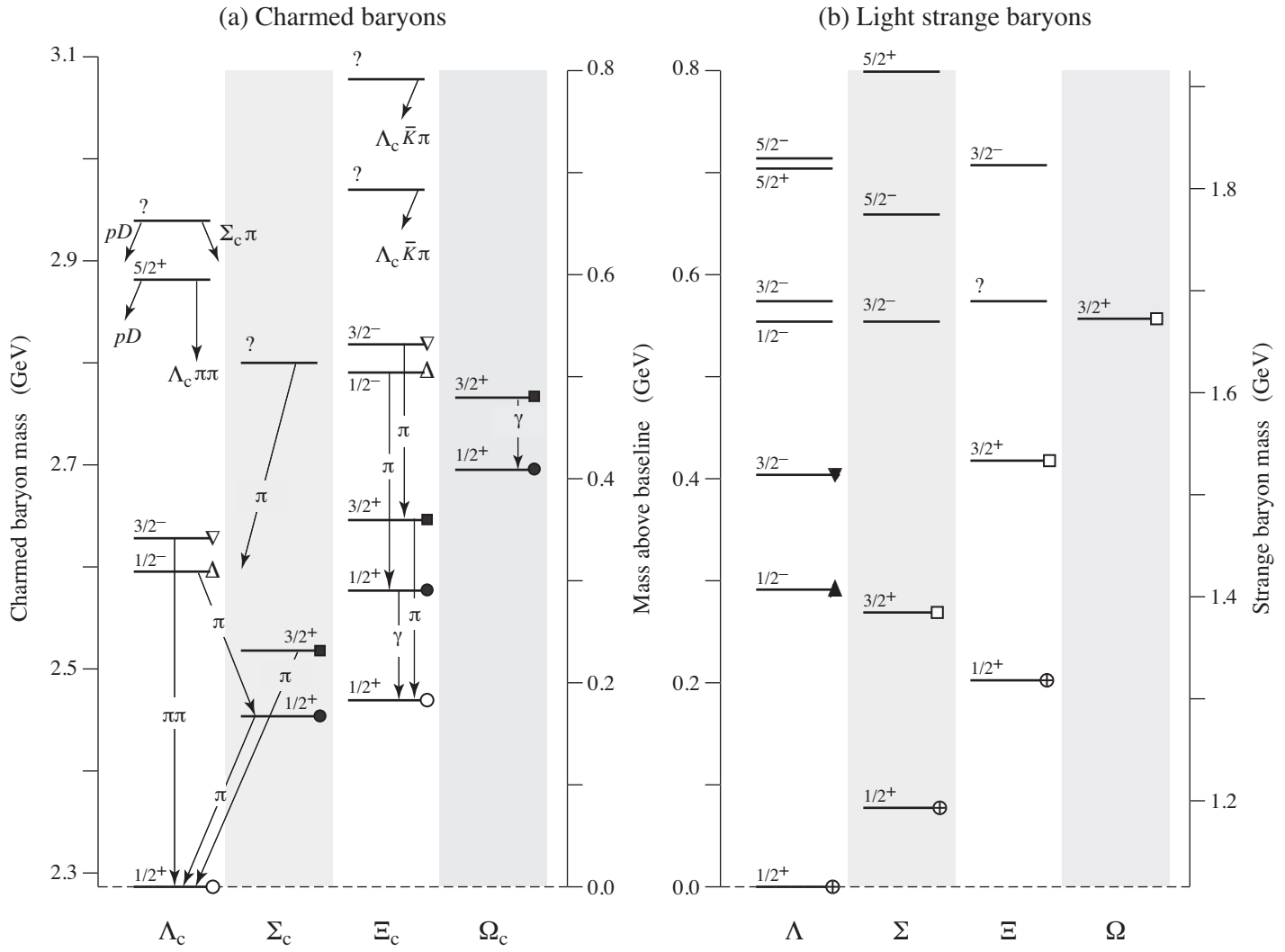

17 c baryons; nice exercise in SU(4) (see note in Lambda_c); but little new experimental work

Most needed !
Lambda_c fractions are scaled to a fraction (5.0 ± 1.3)% (26% error and probably too low) dummied up in 2002! Somebody measure it!

neutron mean life

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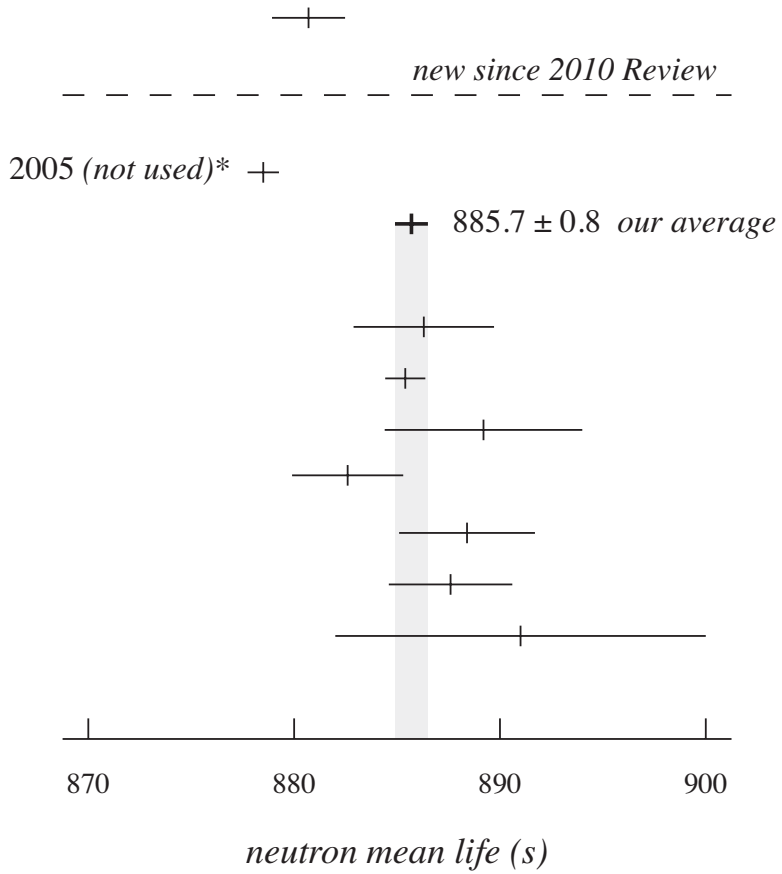

** ". . . is so far from other results that it makes no sense to include it in the average. It is up to workers in this field to resolve this issue. Until this major disagreement is understood our present average . . . must be suspect."*

The 2005 and PDG values are 6-1/2 standard deviations apart.

A new value is in the middle, but closer to the 2005 value. This is a very important number!! I'll seek advice from J. Nico, NIST and S. Paul, Munich, workers in the field and authors of review articles.

tau branching fractions

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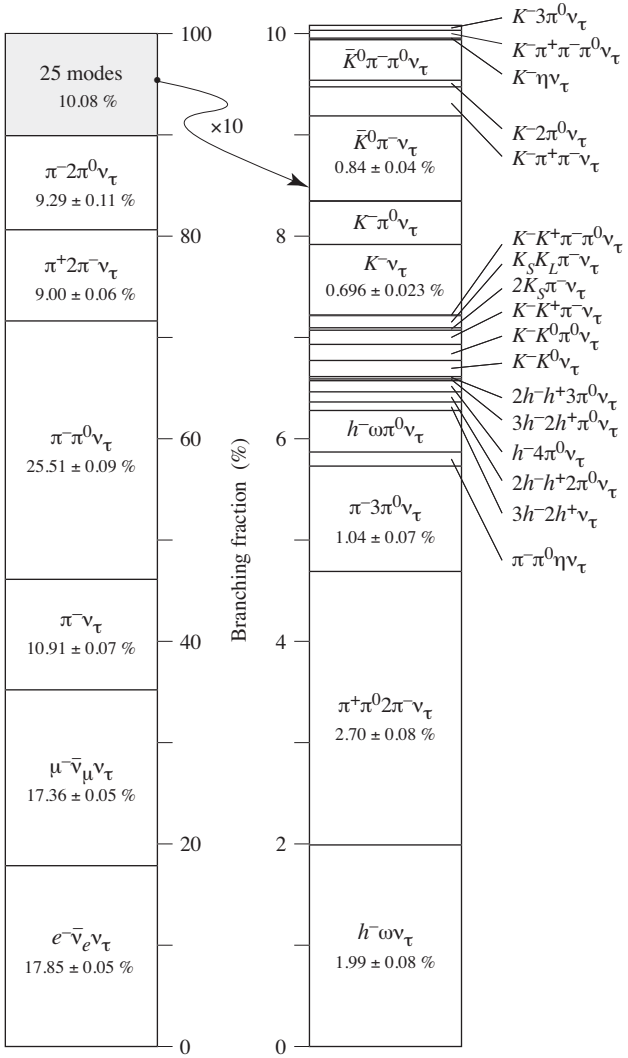

This slide is shown for comparison with the next one; the tau not mine.

A well-measured particle: six fractions account for 90% of the decays; everything known well (see note in tau Listings).

Ds+ branching fractions

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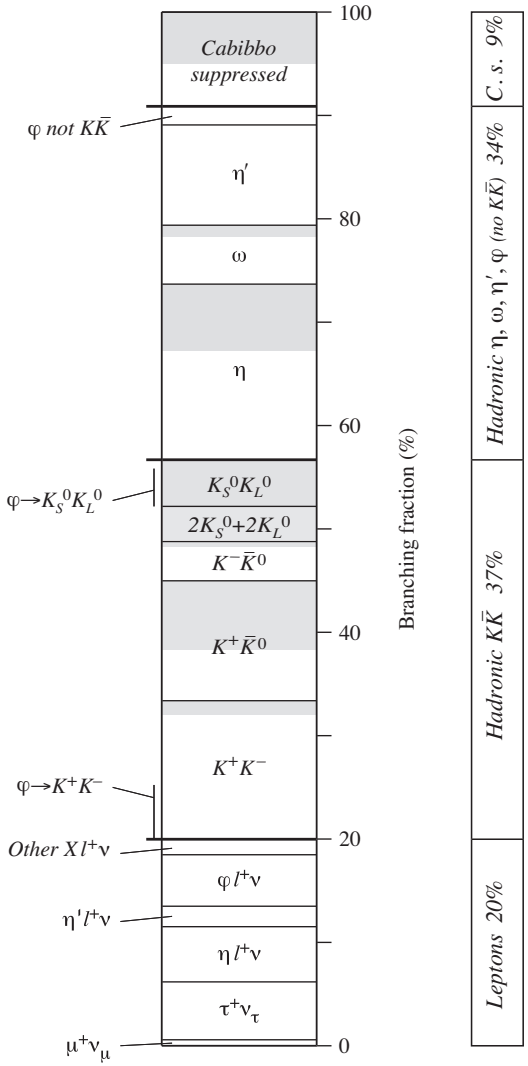
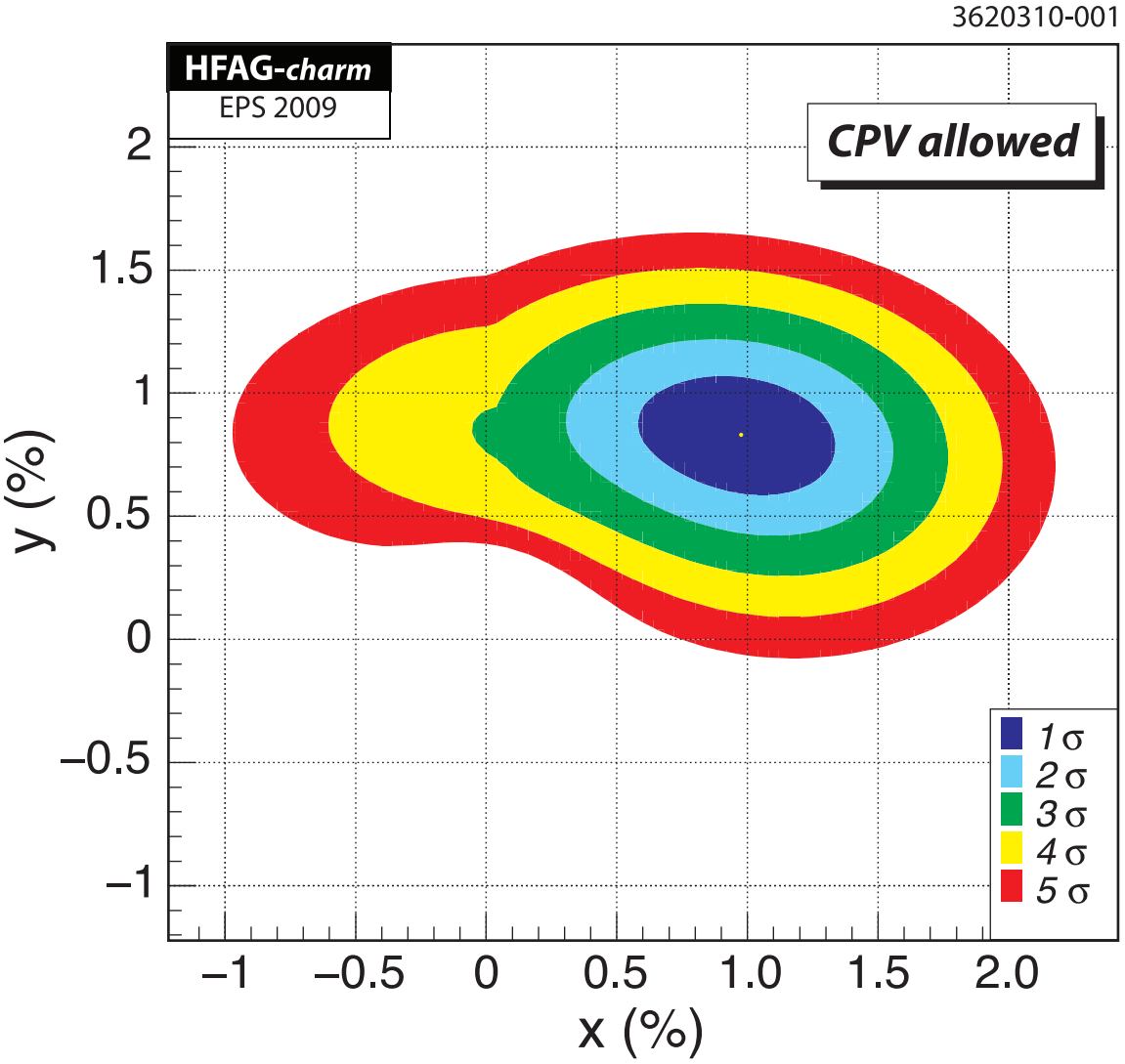


CLEO inclusive measurements plus everyone's exclusive measurements make this the best-measured D meson (see new note in Ds+ Listings)

(hadronic boxes are inclusive fractions; shaded portions are not yet accounted for by exclusive fractions)



$x = (m1 - m2)/Gamma$

$y = (Gam1 - Gam2)/2Gam$

Plot is from HFAG-charm (see note on D0 mixing).

Benford's law

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