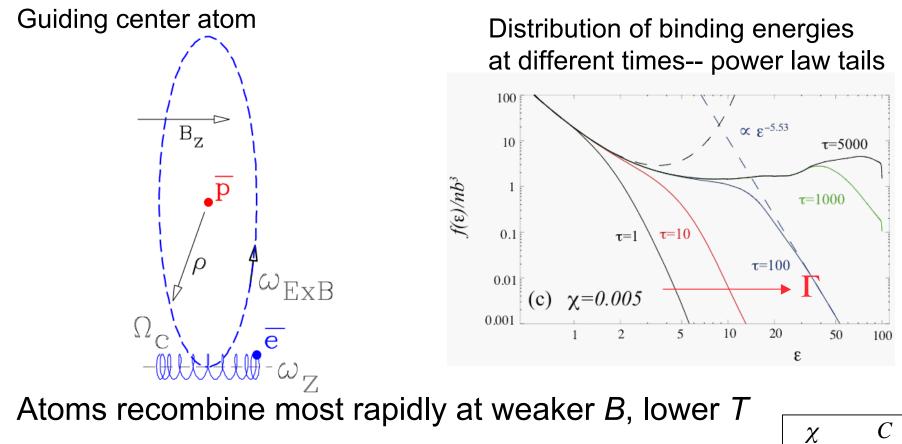
Theory of **recombination rate of antihydrogen** in a strong magnetic field. Atoms initially are weakly-bound "guiding center atoms"; radiation plus collisions with background plasma cause recombination.



Steady-state flux to deeper binding (recombination rate):  $\Gamma = C(\chi) n \overline{\nu} b^2 n b^3 = 10^5 \text{ s}^{-1} C(\chi) \frac{(n/10^8 \text{ cm}^{-3})^2}{(T/4\text{ K})^{9/2}} = 0.0013^{(T/1\text{ K})^{3/2}} = 0.0013^{(T/1\text{$ 

0.76

 $\infty$