Class 15 ->

3/12/20

Other mechanisms for turbulence Photoevaporation Dish winds

What is going on in dicho:

Turbulence nuo winds Conclusion: ne don't know Graporation Show evidence

Work out $\beta = \frac{P_{THERMAL}}{P_{THACMETIL}} = \frac{p_{CS}^2}{B^2/817} = \frac{2}{B^2/4\pi\rho} = \frac{2c_s^2}{\sigma_a^2}$

TOUT = P KT = 8TT K PT

BYON MH B2/84 MH B2

= 871 × 10 6 P 7
10 24 P 7
24 × 10 8 P 7
B2

~ 5×109 pt forder 1

Turblenu-> Gravitational turbulence

at some point dove, atmosphere becomes magnetically dominoted must have JxB =0 50 that acceleration is finite. The field becomes proe-free.

J×B=0 as p decreases to heep acceleration

DXB ; D= C VXB

"force-free" obone ofm -> fred straight to ensur the magnetic trusion is small.

po2 = B2 maginery = winter every (1) feir surface)

Beyond Alfren surface ses inerties lends lines, rotate in spirel.

J=6m-R²R² (antifugal potential)

| Ship
| Skrift
| Ship
| Tield line
| R

Selfsrovity

three fell () theored =
$$\frac{2R}{C_52}$$

there = $\frac{2}{R}$

$$t_{H} = \frac{371}{376p} = \frac{371}{37.6.7} = \frac{77}{37.6.7} = \frac{77}{36m} = \frac{7}{37.6} = \frac{7}{37.6} = \frac{7}{37.6} = \frac{7}{36m} = \frac{7}$$

Phoberoponikan