## Universidad Nacional de Río Negro Int Partículas, Astrofísica & Cosmología - 2020

Unidad O3–Astrofísica: escalas

Clase U03C03 - 13/16

Fecha 28 Oct 2020

Cont Objetos Compactos

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Web https://gitlab.com/asoreyh/unrn-ipac/

Notas de clase



Fa= 1/4 (F) fz = D Fe= f1 1521 Fe= 9- 12

1/m 52 = 3 12 T - 1 3 12 T  $p = (m \times 3)$   $p = \sqrt{3}kT$   $p = \sqrt{3}kT$   $p = \sqrt{3}kT$ h=h=b/2h/3urture 1 × × (1-12) 1 c = h Vsvime

ne = dersidal del novemble election. -> Nº electron / who men Atom Dx3 Ne Dection ne= Ne Dx3 = Ne Dx3 = Ne DX = 31 Ne/ne Ne/Ne Ne/Ne

3th & The P=(2mere).  $\Omega e = \frac{\Omega e}{2}$ .  $me \left(\frac{he}{he}\right)^2 = \frac{\Omega e}{2me}$   $\Delta \times \Delta p \sim t_1 = 0$   $Ne = \frac{1}{3}$   $\Delta p \approx \frac{1}{3}$   $\Delta p \approx \frac{1}{3}$  P: 12 trans 2/3 Pe= th<sup>2</sup> 9 = ne - me = mp. J = ne . mp -1) ne) = 8/mb P= tr² p5/3 2 me mp5/3 = 1 = (tr² p/3) p5/3 2 me mp5/3

De Reodin Ez= (1-1) mc²

de lessin E²= p²c² + m²c c 4 E<sup>2</sup> \( \partial \par Propertispetise P=ne.c.th ne/3 -0 P=thc ne/3 =p=ne.mp=ne=l

$$P = \frac{\text{tr c}}{\text{lup 1/3}} P^{4/3} = 0 P = Re. P^{4/3} M$$

$$\frac{1}{2} \sqrt{N^2 - \frac{GMW}{R}} = 0 N^2 - \frac{1}{2} \frac{26\pi}{R} = 0 N^2 - \frac{1}{2} \frac{26\pi}{R}$$

$$\frac{1}{2} \sqrt{N^2 - \frac{GMW}{R}} = \frac{26\pi}{C^2} = 0 N^2 - \frac{1}{2} \frac{26\pi}{R}$$

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