Je ha definido el espinor adjunto
a 4

T: = 4 7

Londe 8°= \(\beta^{\circ} = \

Expandimos la ec. de Dirac [cit y'a + cit y'a; - moc2] Y = 0 Multiplicanue a la 129. por És Beit Boot cit BBaid; - MocBJY-0 $[11] it = 2 + cit 11 \vec{a} \cdot \vec{7} - moc^2 \vec{\beta}] = 0$ it 2 ψ - c x · P ψ - moc² β Ψ=0 itay=[cx.p+Bmoc]y d'y las ec. Euler-Layremge respecto al espinor 4?

Integranolo STBdx=SYTH, Ydx3 = <4/1 i]f 14> = valor de expectación del eigen valur de Af, en el estado Y Por analogía T? = サit c で るi 中 (Mostrar = 中 (お); c 中 (2vego = 1 T; dx = 241(p), 14> = Malor de expectación del operador de momento lineal [componente iesma] en el estado Y

Mustrar que

$$Tij = - Y t \Rightarrow \hat{P}_j c t$$

Evaluemos $E = \angle Y | \hat{H}_i | \Psi \rangle = \int T_i dx$
 $T_i^2 = Y t (\vec{x} \cdot \hat{P}_i c t) | Y$

Vsamus

 $V_i = V_i (\vec{x} \cdot \hat{P}_i c t) | Y_i = V_i (\vec{x} \cdot \hat{P}_i c t) | Y_i = V_i (\vec{x} \cdot \hat{P}_i c t) | Y_i = V_i (\vec{x} \cdot \hat{P}_i c t) | Y_i = V_i (\vec{x} \cdot \hat{P}_i c t) | Y_i = V_i (\vec{x} \cdot \hat{P}_i c t) | Y_i = V_i (\vec{x} \cdot \hat{P}_i c t) | Y_i = V_i (\vec{x} \cdot \hat{P}_i c t) | Y_i = V_i (\vec{x} \cdot \hat{P}_i c t) | Y_i = V_i (\vec{x} \cdot \hat{P}_i c t) | Y_i = V_i (\vec{x} \cdot \hat{P}_i c t) | Y_i = V_i (\vec{x} \cdot \hat{P}_i c t) | Y_i = V_i (\vec{x} \cdot \hat{P}_i c t) | Y_i = V_i (\vec{x} \cdot \hat{P}_i c t) | Y_i = V_i (\vec{x} \cdot \hat{P}_i c t) | Y_i = V_i (\vec{x} \cdot \hat{P}_i c t) | Y_i = V_i (\vec{x} \cdot \hat{P}_i c t) | Y_i = V_i (\vec{x} \cdot \hat{P}_i c t) | Y_i = V_i (\vec{x} \cdot \hat{P}_i c t) | Y_i = V_i (\vec{x} \cdot \hat{P}_i c t) | Y_i = V_i (\vec{x} \cdot \hat{P}_i c t) | Y_i = V_i (\vec{x} \cdot \hat{P}_i c t) | Y_i = V_i (\vec{x} \cdot \hat{P}_i c t) | Y_i = V_i (\vec{x} \cdot \hat{P}_i c t) | Y_i = V_i (\vec{x} \cdot \hat{P}_i c t) | Y_i = V_i (\vec{x} \cdot \hat{P}_i c t) | Y_i = V_i (\vec{x} \cdot \hat{P}_i c t) | Y_i = V_i (\vec{x} \cdot \hat{P}_i c t) | Y_i = V_i (\vec{x} \cdot \hat{P}_i c t) | Y_i = V_i (\vec{x} \cdot \hat{P}_i c t) | Y_i = V_i (\vec{x} \cdot \hat{P}_i c t) | Y_i = V_i (\vec{x} \cdot \hat{P}_i c t) | Y_i = V_i (\vec{x} \cdot \hat{P}_i c t) | Y_i = V_i (\vec{x} \cdot \hat{P}_i c t) | Y_i = V_i (\vec{x} \cdot \hat{P}_i c t) | Y_i = V_i (\vec{x} \cdot \hat{P}_i c t) | Y_i = V_i (\vec{x} \cdot \hat{P}_i c t) | Y_i = V_i (\vec{x} \cdot \hat{P}_i c t) | Y_i = V_i (\vec{x} \cdot \hat{P}_i c t) | Y_i = V_i (\vec{x} \cdot \hat{P}_i c t) | Y_i = V_i (\vec{x} \cdot \hat{P}_i c t) | Y_i = V_i (\vec{x} \cdot \hat{P}_i c t) | Y_i = V_i (\vec{x} \cdot \hat{P}_i c t) | Y_i = V_i (\vec{x} \cdot \hat{P}_i c t) | Y_i = V_i (\vec{x} \cdot \hat{P}_i c t) | Y_i = V_i (\vec{x} \cdot \hat{P}_i c t) | Y_i = V_i (\vec{x} \cdot \hat{P}_i c t) | Y_i = V_i (\vec{x} \cdot \hat{P}_i c t) | Y_i = V_i (\vec{x} \cdot \hat{P}_i c t) | Y_i = V_i (\vec{x} \cdot \hat{P}_i c t) | Y_i = V_i (\vec{x} \cdot \hat{P}_i c t) | Y_i = V_i (\vec{x} \cdot \hat{P}_i c t) | Y_i = V_i (\vec{x} \cdot \hat{P}_i c t) | Y_i = V_i (\vec{x} \cdot \hat{P}_i c t) | Y_i = V_i (\vec{x} \cdot \hat{P}_i c t) | Y_i = V_i (\vec{x} \cdot \hat{P}_i c t) | Y_i = V_i (\vec{x} \cdot \hat{P}_i c t) | Y_i = V_i (\vec{x} \cdot \hat{P}_i c t) | Y_i = V_i (\vec{x} \cdot \hat{P}_i c t) | Y_i = V_i (\vec{x} \cdot \hat{$

En el espanor

$$\begin{bmatrix}
(0) \\
COZPe \\
Moc^2+\lambda EP \\
0
\end{bmatrix} = \begin{bmatrix}
0 \\
CP \\
Moc^2+\lambda EP
\end{bmatrix}$$

$$\begin{bmatrix}
0 \\
-1 \\
0
\end{bmatrix} = \begin{bmatrix}
1 \\
0
\end{bmatrix}$$

$$E = \begin{bmatrix}
N \begin{bmatrix} 1,0 \\
CP \\
Moc^2+\lambda EP
\end{bmatrix} = \begin{bmatrix}
0 \\
0
\end{bmatrix} \begin{bmatrix}
\vec{d} \cdot \vec{P}c + \hat{P} Moc^2 \end{bmatrix} \cdot N \times Moc^2 + \lambda EP$$

$$\times \begin{bmatrix}
0 \\
PC \\
Moc^2 + \lambda EP
\end{bmatrix}$$

$$D = \begin{bmatrix}
0,0,P \\
0,P \end{bmatrix} = D \vec{d} \cdot \vec{P} = d_2 P_2$$

$$E = N^{2} \vee \left[1,0, \frac{Pc}{MoC^{2} + \lambda te}\right] \times \left[Pc\left[\frac{6 \sigma z}{\sigma^{2} \sigma^{2}}\right] + \frac{1}{Moc^{2} + \lambda te}\right]$$

$$= N^{2} \vee \left[1,0, \frac{Pc}{\sigma^{2} + \lambda te}\right] \times \left[Pc\left[\frac{6 \sigma z}{\sigma^{2} + \lambda te}\right] + \frac{1}{Moc^{2} + \lambda te}\right]$$

$$= N^{2} \vee \left[1,0, \frac{Pc}{Moc^{2} + \lambda te}\right] \times \left[Pc\left[\frac{Pc}{Moc^{2} + \lambda te}\right] \times \left[\frac{1}{6}\right] + \frac{Pc}{Moc^{2} + \lambda te}\right]$$

$$+ \frac{1}{Moc^{2}}\left[\frac{1}{2} + \frac{1}{2} + \frac$$

$$E = N^{2}V \left[\frac{2P^{2}c^{2}}{m_{0}c^{2}+\lambda E\rho} + m_{0}c^{2} - \frac{[m_{0}c^{2}\rho^{2}c^{2}]}{[m_{0}c^{2}+\lambda E\rho^{2}]}\right]$$

$$\lambda = \pm 1 \qquad \lambda^{2} = 1$$

$$E = N^{2}V \left[\frac{m_{0}c^{2}+\lambda E\rho}{\lambda E\rho}\right]^{2}\lambda^{2} E\rho^{2}$$

$$E = \int_{0}^{\infty} \int_{0}^{$$

