





	Time evolution
	Say (4(0))= 11> = 1 (16)+1E>)
	아마리(1881) - (1981) -
	$ \Psi(t)\rangle = \frac{1}{\sqrt{2}} \left(e^{-i(E-\Delta)t/\hbar} G\rangle + e^{-i(E+\Delta)t/\hbar} E\rangle \right)$
	V 2 V
	- i Ft/t / - ((A+) - 1)
	$= e^{-iEt/\frac{t}{t}} \left(\cos\left(\frac{\Delta t}{t}\right) 1\rangle + i\sin\left(\frac{\Delta t}{t}\right) 1\rangle \right)$
	2 (4+)
	$P_{\uparrow}(t) = \left \langle \uparrow \psi(t) \rangle \right ^2 = \cos^2\left(\frac{\Delta t}{t}\right)$
	ο κ
	$P_{V}(t) = \langle J \Psi(t) \rangle ^{2} = \sin^{2}\left(\frac{\Delta t}{L}\right)$
	- C. I.I. H1E) C
<u> </u>	With E-field: H(E) = - N. E
	EO+NE -D
	$H = \begin{pmatrix} E_0 + NE & -\Delta \\ -\Delta & E_0 - NE \end{pmatrix}$
-	
	\Rightarrow EG(E) = E ₀ - $\sqrt{N^2 E^2 + \Delta^2}$
1	
	Efxcited (E) = Eo - VU2E2+D2
	$\rightarrow E\rangle \rightarrow G\rangle$
	Ammonia Maser
	14 1401 60 16
	(onstruct Hamiltonia- 1'h)
	1.6
	- LI / E.o + A. J.
7.00	$-\frac{1}{2}\left(\nu \varepsilon \varepsilon - \Delta \right)$
	$= \frac{1}{2} \left(= (+) \right)$
	$-\psi(t) = \left(\frac{c_{\mathbf{q}}(t)}{c_{\mathbf{q}}(t)}\right)$

