

The HistoryMakers® & present



How Did the Universe Come to Be?

Reception and Presentation

5:30 p.m.-8:00 p.m.
 Friday, January 15, 2010
 St. Louis Science Center
 5050 Oakland Ave.
 St. Louis, Missouri



Moderated by
 Physicist Darnell Diggs

Featuring the Three Cosmic Tenors:



Larry Gladney- Particle Physicist



Herman White- Particle Physicist



James Gates- Physicist

De Broglie's photon :

$$E = \left[\frac{hc}{2\lambda} \right]_z + \left[2 \left(\frac{\epsilon_0 E^2}{4} \right)_y \cos^2(\omega t) + \left(\frac{B^2}{2\mu_0} \right)_x \right]$$

$$E_s = \frac{\pi e}{\epsilon_0 \alpha^3 \lambda^2} \quad B = \frac{\mu_0 \pi e c}{\alpha^3 \lambda^2}$$

Electron at rest

$$= \frac{V_{me}}{c^2} \left[\left[\frac{\epsilon_0 E^2}{2} \right]_y + \left[2 \left(\frac{\epsilon_0 V_c^2}{4} \right)_z \cos^2(\omega t) + \left(\frac{B_s}{2\mu} \right)_x \right] \right]$$

$$V_{me} = \frac{\alpha^3 \lambda_c^2}{2\pi^2} \quad E_s = \frac{\pi e}{\epsilon_0 \alpha^3 \lambda_c^2} \quad B_s = \frac{\pi \mu_0 e c}{\alpha^3 \lambda_c^2} \quad V_s$$

Quark up

$$m_u = \frac{V_u}{c^2} \left[S_u \left[\frac{\epsilon_0 E_u^2}{2} \right] + (2 - S_u) \left[2 \left(\frac{\epsilon_0 V_u^2}{4} \right) \cos^2(\omega t) + \left(\frac{B_u}{2\mu} \right)_x \right] \right]$$

ScienceMakers

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