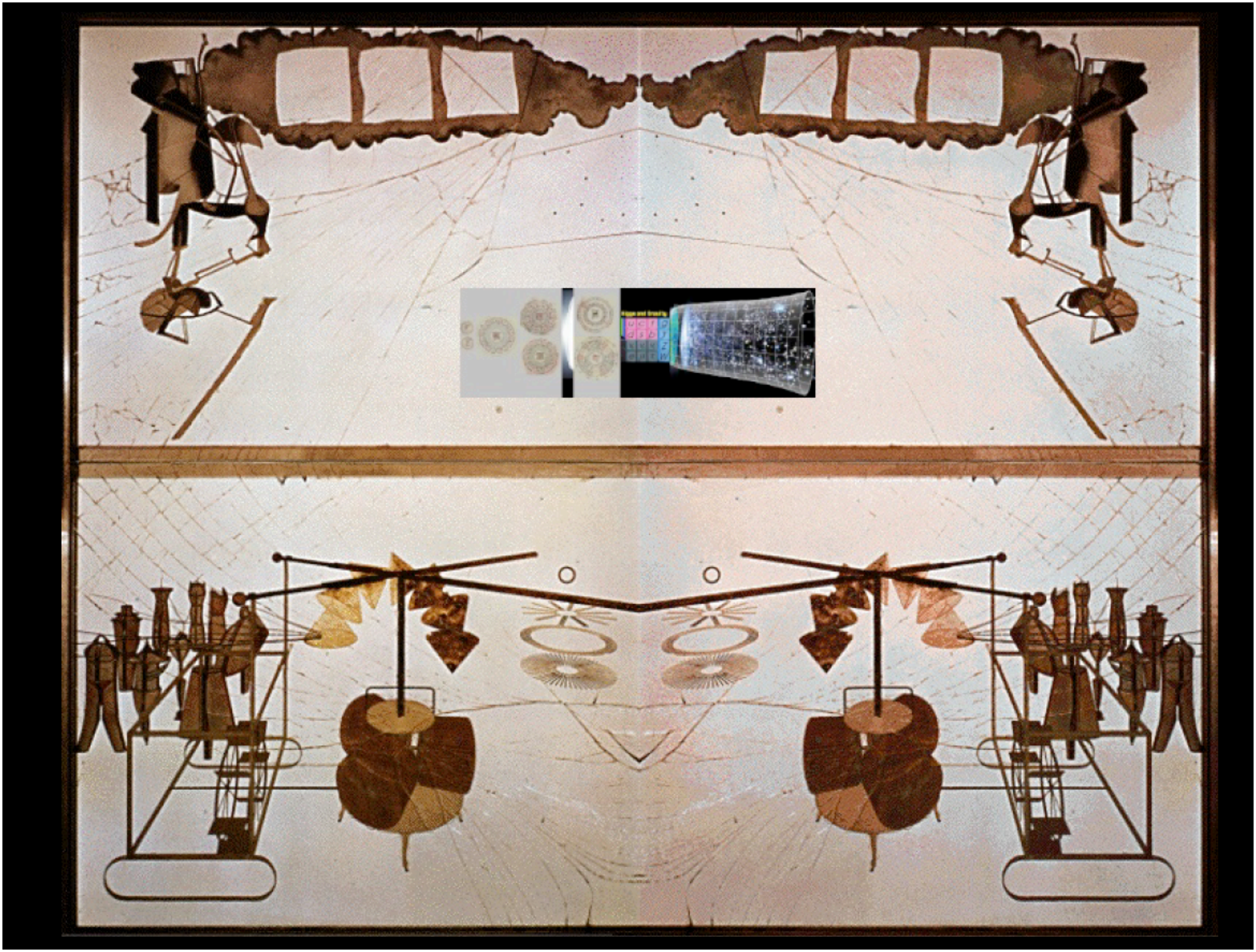
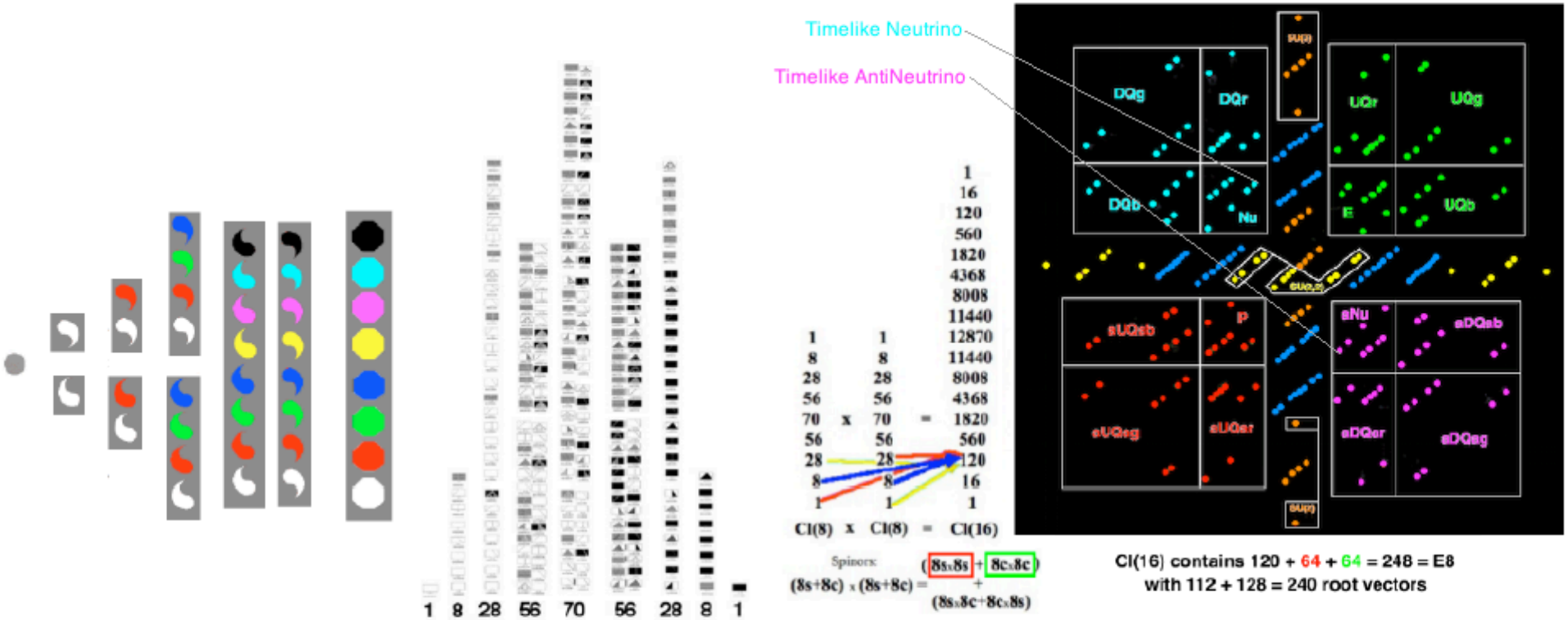


Cl(0,0) -> Cl(0,2) -> Cl(0,4) -> Cl(0,6) -> Cl(0,8) -> Cl(0,8)xCl(0,8) = Cl(0,16) --> Cl(0,16)xCl(0,8) = Cl(0,24) -> M(2,Cl(0,24)) = Cl(1,25) ->

-> Completion of Union of All Tensor Products of Cl(1,25) = hyperfinite AQFT

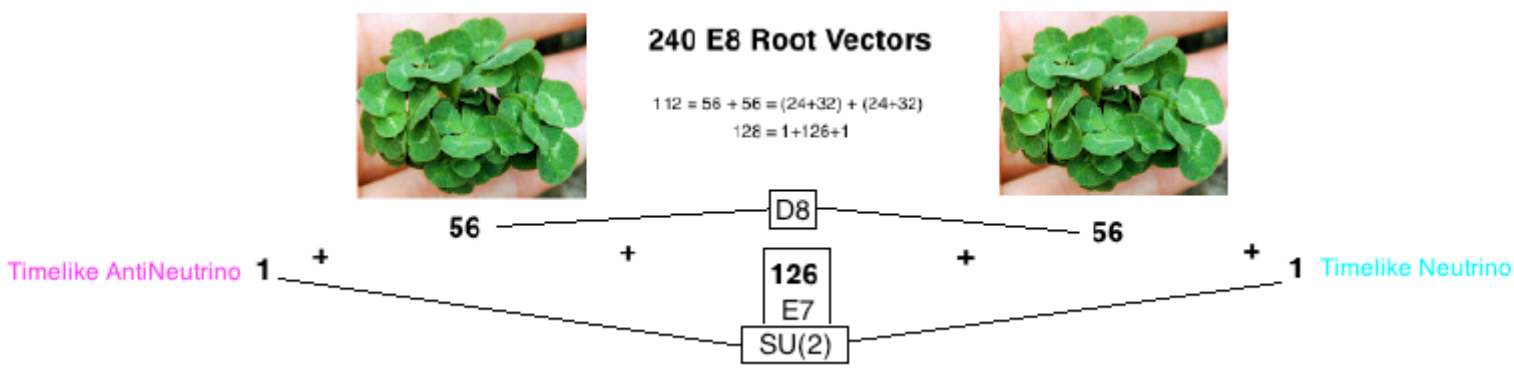
Cl(1,25) = Cl(1,9)xCl(0,8)xCl(0,8) and Cl(1,9) = Cl(1,5) x Cl(0,4) = Cl(2,4) x Cl(0,4)



The completion of the union of all tensor products of Cl(16) = Cl(8)xCl(8) produces a generalized Hyperfinite II1 von Neumann factor that gives the Cl(16)-E8 model a natural Algebraic Quantum Field Theory

The Cl(16)-E8 AQFT inherits structure from the Cl(16)-E8 Local Lagrangian

The Creation-Annihilation Operator structure of Cl(16)-E8 AQFT is given by the Maximal Contraction of E8 = semidirect product A7 x h92 where h92 = 92+1+92 = 185-dim Heisenberg algebra and A7 = 63-dim SL(8)



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January 2017 (United States)

February 2017

S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28				

Sun	Mon	Tue	Wed	Thu	Fri	Sat
1 New Year's Day Last Day of Chanukah	2 'New Year's Day' observed	3	4	5	6 Epiphany	7 Orthodox Christmas Day
8	9	10	11	12	13	14 Orthodox New Year
15	16 Martin Luther King Day	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31	1	2	3	4

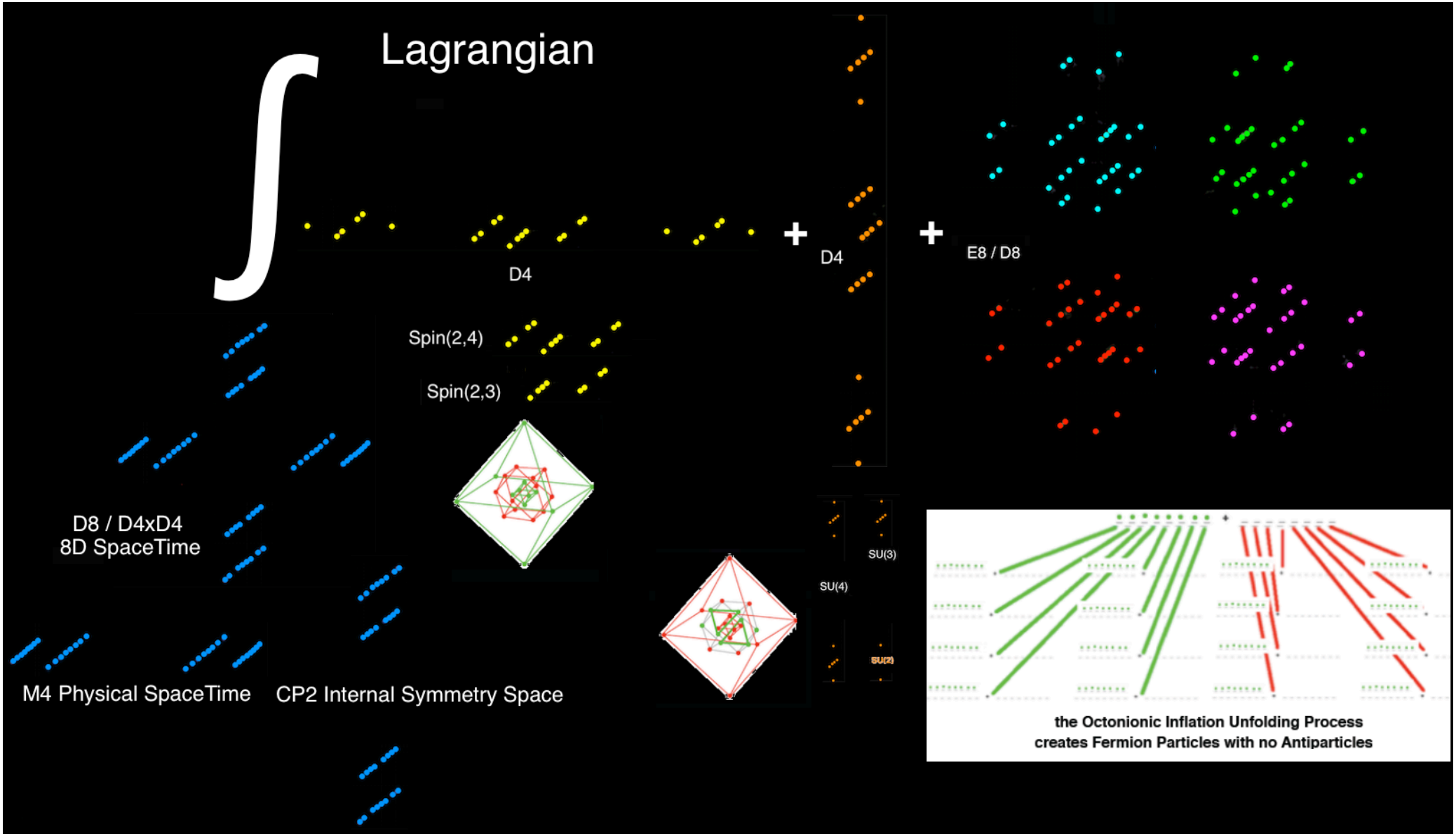
timeanddate.com

January 2017 (China)

February 2017

M	T	W	T	F	S	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28					

Mon	Tue	Wed	Thu	Fri	Sat	Sun
26	27	28	29	30	31	1 New Year's Day
2 New Year's weekend	3 New Year's weekend	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27 Spring Festival Eve	28 Chinese New Year	29 Spring Festival Golden Week holiday
30 Spring Festival Golden Week holiday	31 Spring Festival Golden Week holiday	1 Spring Festival Golden Week holiday Spring Festival Golden Week holiday	2 Spring Festival Golden Week holiday Spring Festival Golden Week holiday	3	4	5


Lagrangian
D4
Spin(2,4)
Spin(2,3)
D4
E8 / D8
D8 / D4xD4
8D SpaceTime
SU(3)
SU(4)
SU(2)
M4 Physical SpaceTime
CP2 Internal Symmetry Space
the Octonionic Inflation Unfolding Process
creates Fermion Particles with no Antiparticles

timeanddate.com

February 2017 (United States)

March 2017

S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

Sun	Mon	Tue	Wed	Thu	Fri	Sat
29	30	31	1	2	3	4
5	6	7	8	9	10	11 Tu Bishvat/Tu B'Shevat
12	13	14 Valentine's Day	15	16	17	18
19	20 Presidents' Day	21	22	23	24	25
26	27	28	1 Ash Wednesday	2	3	4

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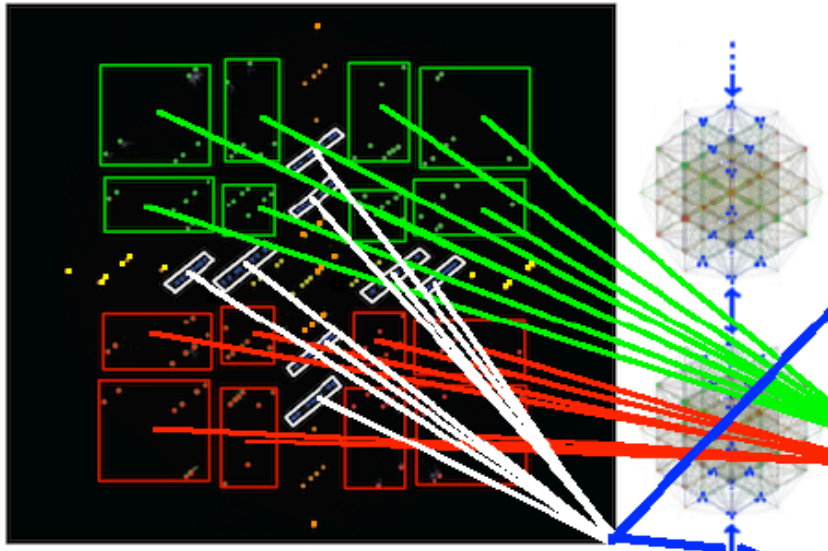
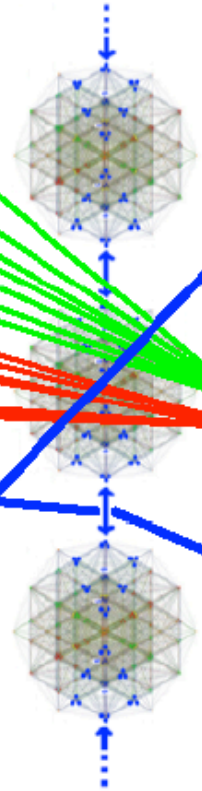
February 2017 (China)

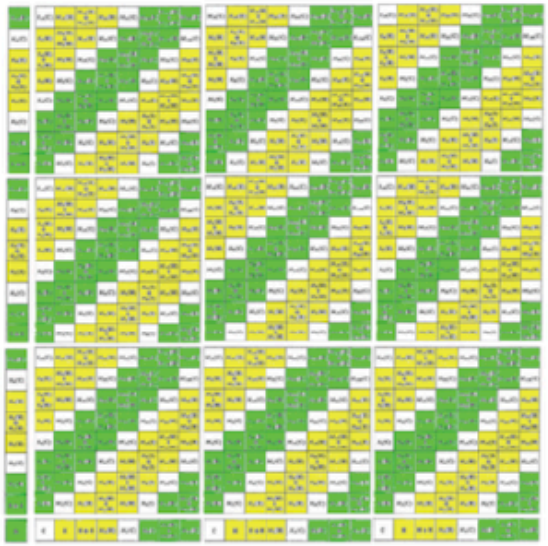
March 2017

M	T	W	T	F	S	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

Mon	Tue	Wed	Thu	Fri	Sat	Sun
30 Spring Festival Golden Week holiday	31 Spring Festival Golden Week holiday	1 Spring Festival Golden Week holiday Spring Festival Golden Week holiday	2 Spring Festival Golden Week holiday Spring Festival Golden Week holiday	3	4	5
6	7	8	9	10	11 Lantern Festival	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27 Zhonghe Festival	28	1	2	3	4	5







The Cl(16)-E8 AQFT inherits structure from the Cl(16)-E8 Local Lagrangian

$$\int_{\text{8-dim SpaceTime}} \text{Standard Model Gauge Gravity} + \text{Fermion Particle-AntiParticle}$$

the Cl(16)-E8 model at the Planck Scale has spacetime condensing out of Clifford structures forming a Leech lattice underlying 26-dim String Theory of World-Lines with 8 + 8 + 8 = 24-dim of fermion particles and antiparticles and of spacetime.

Slices of 8v SpaceTime are represented as D8 branes. Each D8 brane has Planck-Scale Lattice Structure superpositions of 8 types of E8 Lattice denoted by 1E8, iE8, jE8, kE8, EE8, IE8, JE8, KE8

Stack D8 branes to get SpaceTime with Strings = World-Lines

Let Oct16 = discrete mutiplicative group { +/-1, +/-i, +/-j, +/-k, +/-E, +/-I, +/-J, +/-K}.
Orbifold by Oct16 the 8s+ to get 8 Fermion Particle Types
Orbifold by Oct16 the 8s- to get 8 Fermion AntiParticle Types

Gauge Bosons from 1E8 and EE8 parts of a D8 give U(2) Electroweak Force
Gauge Bosons from IE8, JE8, and KE8 parts of a D8 give SU(3) Color Force
Gauge Bosons from 1E8, iE8, jE8, and kE8 parts of a D8 give U(2,2) Conformal Gravity

The 8x8 matrices for collective coordinates linking one D8 to the next D8 give Position x Momentum

The automorphism group of a single 26-dim String Theory cell modulo the Leech lattice is the Monster Group of order about 8 x 10^53.

When a fermion particle/antiparticle appearsTachyons create a cloud of particles/antiparticles. The cloud is one Planck-scale Fundamental Fermion Valence Particle plus an effectively neutral cloud of particle/antiparticle pairs forming a Kerr-Newman black hole. That cloud constitutes the Schwinger Source.

The Schwinger Sources are finite regions in a Complex Domain spacetime corresponding to Green's functions of particle creation / annihilation.

Its structure comes from the 24-dim Leech lattice part of the Monster Group which is 2^(1+24) times the double cover of Co1, for a total order of about 10^26.

(Since a Leech lattice is based on copies of an E8 lattice and since there are 7 distinct E8 integral domain lattices there are 7 (or 8 if you include a non-integral domain E8 lattice)mdistinct Leech lattices. The physical Leech lattice is a superposition of them, effectively adding a factor of 8 to the order.)

The volume of the Kerr-Newman Cloud is on the order of 10^27 x Planck scale, = roughly 10^(-24) cm.

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March 2017 (United States)

April 2017

S	M	T	W	T	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30						

Sun	Mon	Tue	Wed	Thu	Fri	Sat
26	27	28	1 Ash Wednesday	2	3	4
5	6	7	8	9	10	11
12 Purim	13	14	15	16	17	18
19	20 March equinox	21	22	23	24	25
26	27	28	29	30	31	1

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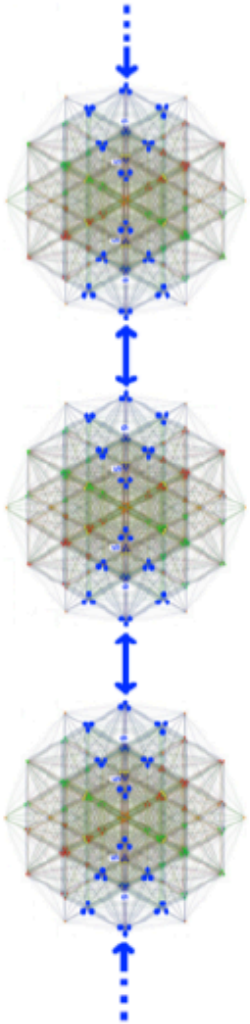
March 2017 (China)

April 2017

M	T	W	T	F	S	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

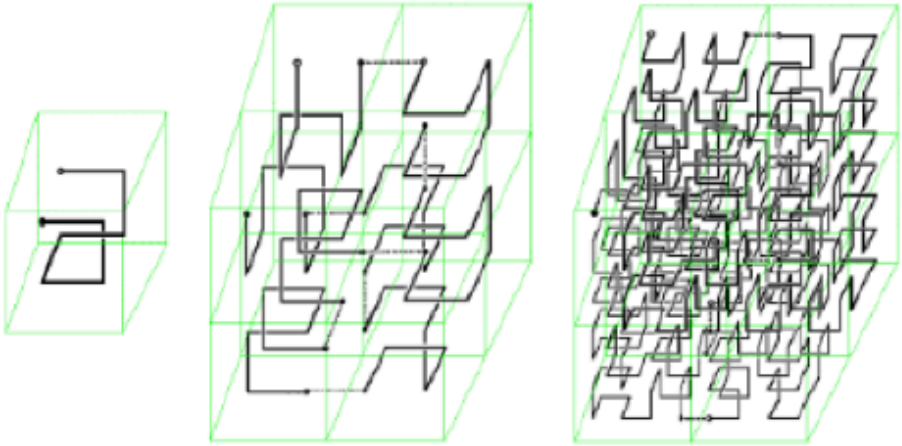
Mon	Tue	Wed	Thu	Fri	Sat	Sun
27 Zhonghe Festival	28	1	2	3	4	5
6	7	8 International Women's Day	9	10	11	12 Arbor Day
13	14	15	16	17	18	19
20 March equinox	21	22	23	24	25	26
27	28	29	30	31	1	2

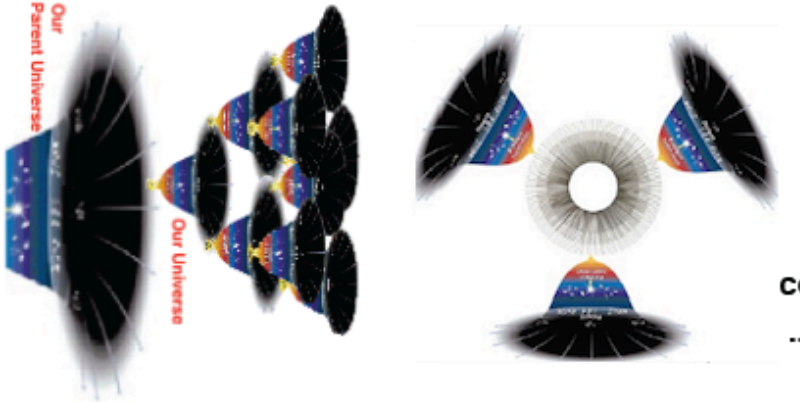


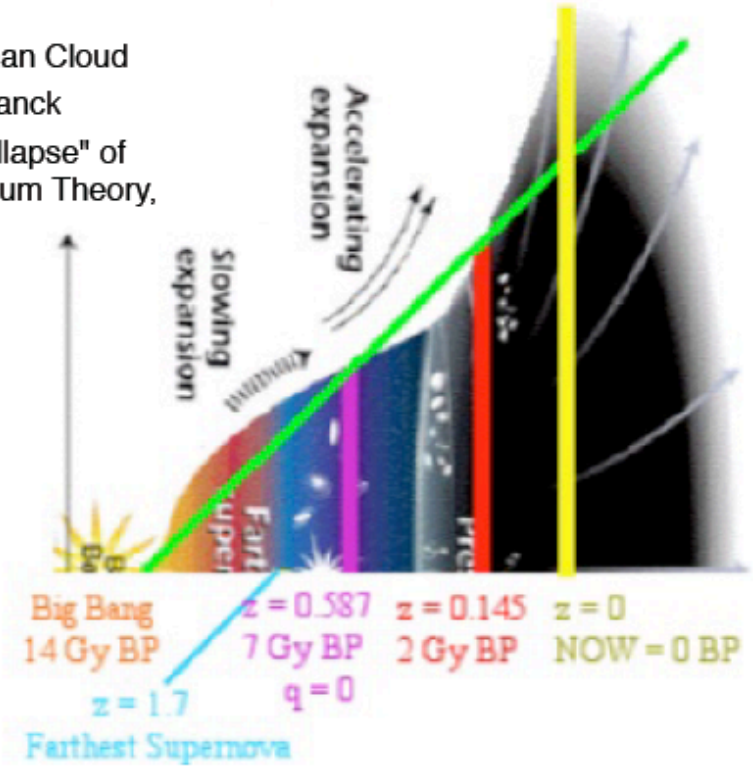
At the end of Non-Unitary Octonionic Inflation Our Universe
had about (1/2) 16^64 = (1/2) (2^4)^64 = 2^255 = 6 x 10^76 Fermion Particles
the size of our Universe was then about 10^(-24) cm
which is about the size of a Fermion Schwinger Source Kerr-Newman Cloud

The End of Inflation time was at about 10^(-34) sec = 2^64 Tplanck

The Zizzi Inflation phase of our universe ends with decoherence "collapse" of the 2^64 Superposition Inflated Universe into Many Worlds of Quantum Theory,







The ratio Dark Energy : Dark Matter : Ordinary Matter for our Universe at the present time is calculated to be:
0.75 : 0.21 : 0.04

Paola Zizzi in gr-qc/0007006:
"... **The self-reduction of the superposed quantum state ... corresponds to a superposed state of ... [10^19 = 2^64 qubits]**
... also the number of superposed tubulins-qubits in our brain ... leading to a conscious event. ...".

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April 2017 (United States)

May 2017

S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

Sun	Mon	Tue	Wed	Thu	Fri	Sat
26	27	28	29	30	31	1
2	3	4	5	6	7	8
9 Palm Sunday	10	11 Passover (first day)	12	13 Maundy Thursday Thomas Jefferson's Birthday	14 Good Friday Orthodox Good Friday	15 Holy Saturday Orthodox Holy Saturday
16 Easter Sunday Orthodox Easter	17 Easter Monday Orthodox Easter Monday	18 Last Day of Passover	19	20	21	22
23	24 Isra and Mi'raj Yom HaShoah	25	26	27	28	29
30	1	2 Yom Ha'atzmaut	3	4	5	6

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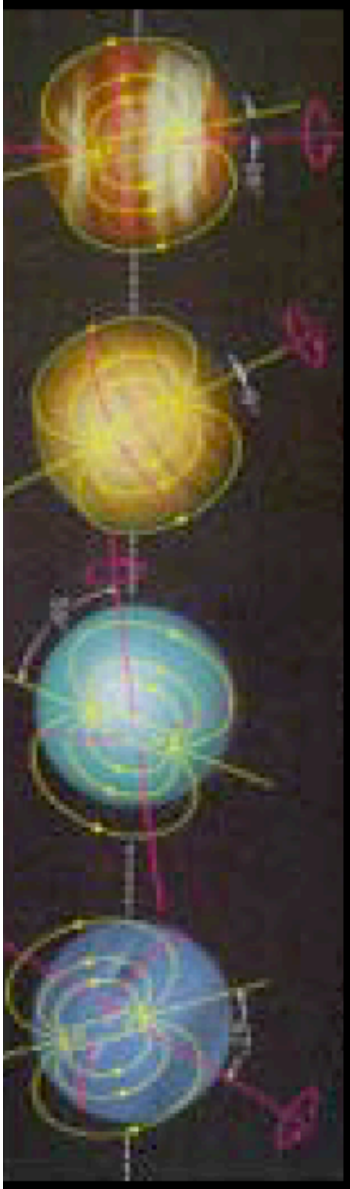
April 2017 (China)

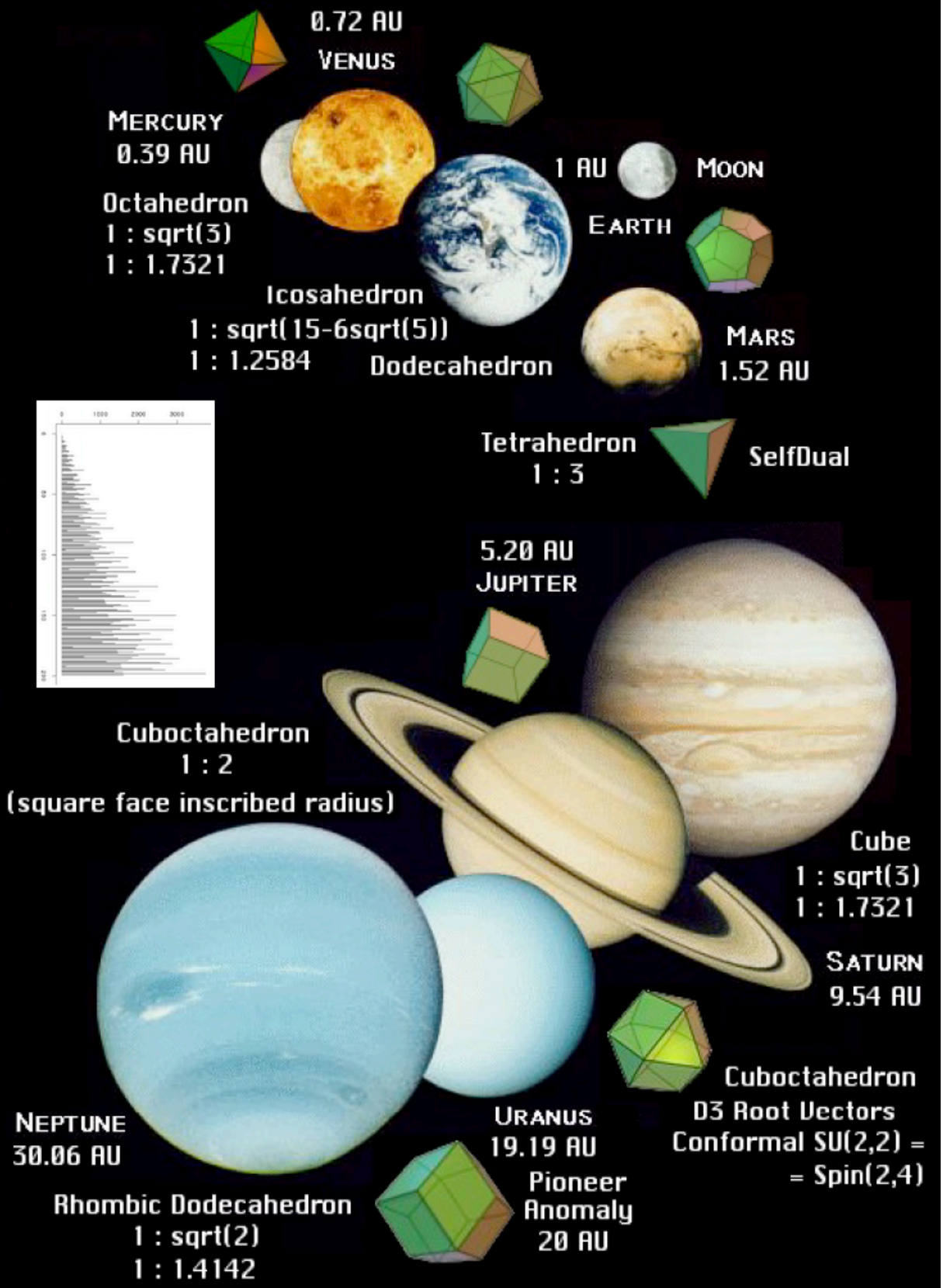
May 2017

M	T	W	T	F	S	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

Mon	Tue	Wed	Thu	Fri	Sat	Sun
27	28	29	30	31	1	2
3	4	5 Qing Ming Jie	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

CONFORMAL KEPLER





Cuboctahedron and Rhombic Dodecahedron
are 3-dim central figures of the 4-dim 24-cell

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May 2017 (United States)

June 2017

S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	

Sun	Mon	Tue	Wed	Thu	Fri	Sat
30	1	2 Yom Ha'atzmaut	3	4	5	6
7	8	9	10	11	12	13
14 Lag BaOmer Mother's Day	15	16	17	18	19	20
21	22	23	24	25 Ascension Day	26	27 Ramadan starts
28	29 Memorial Day	30	31 Shavuot	1	2	3

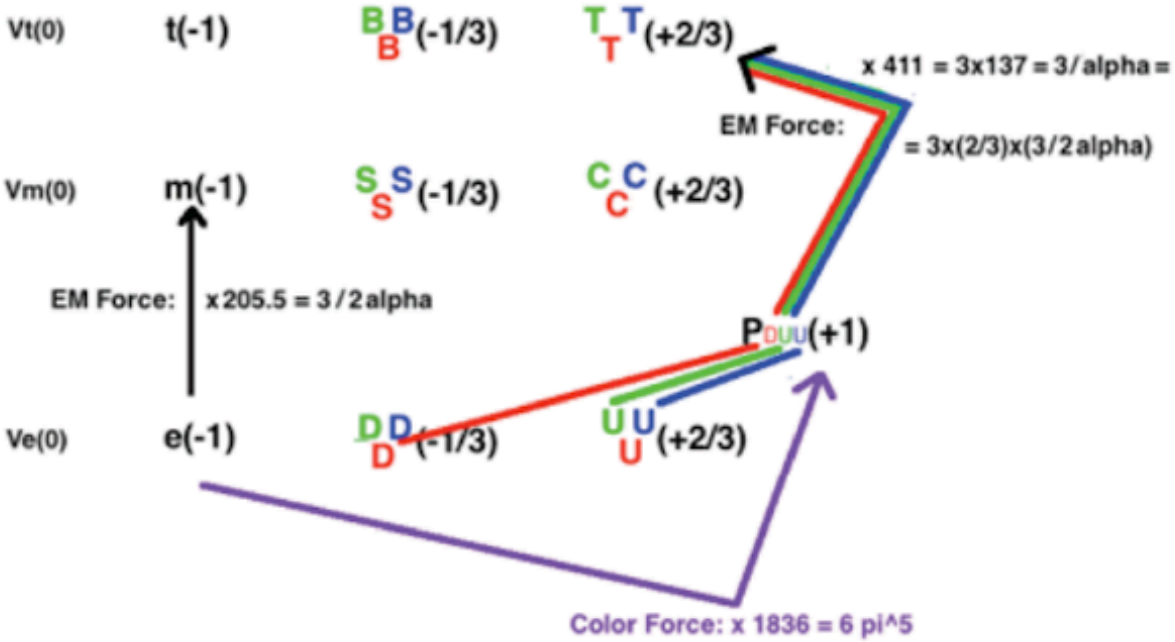
timeanddate.com

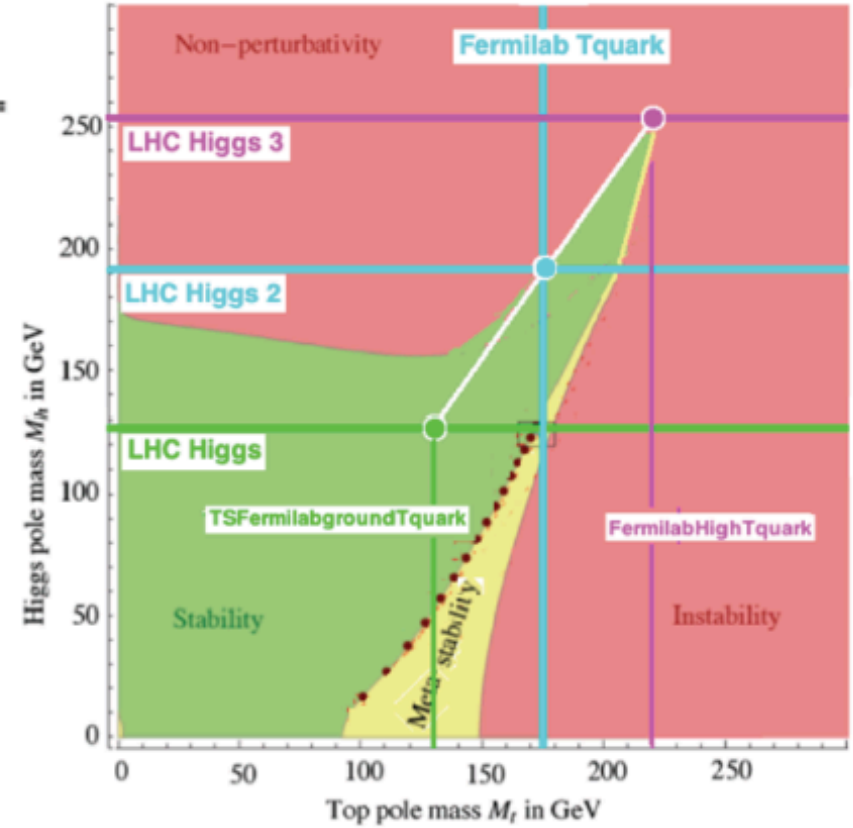
May 2017 (China)

June 2017

M	T	W	T	F	S	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

Mon	Tue	Wed	Thu	Fri	Sat	Sun
1 Labour Day	2	3	4 Youth Day	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30 Dragon Boat Festival	31	1 Children's Day	2	3	4





The Schwinger Sources are finite regions in a Complex Domain spacetime corresponding to Green's functions of particle creation / annihilation.

The force strength of a given force is

(1 / Mforce^2) (Vol(MISforce)) (Vol(Qforce) / Vol(Dforce)^(1 / mforce))

Mforce represents the effective mass;

mforce is 4 for Gravity and Color force, 2 for Weak force 1 for Electromagnetism

Vol(Dforce)^(1 / mforce) is to reconcile

the dimensionality of the Internal Symmetry Space of the target vertex

with the dimensionality of the link from the origin to the target vertex

Force	M	Vol(M)	Group	SymSpace	D	Vol(D)	Q	Vol(Q)
gravity	S^4	8pi^2/3	Spin(5)	Spin(7) / Spin(5)xU(1)	IV5	pi^5/2^4 5!	RP^1xS^4	8pi^3/3
color	CP^2	8pi^2/3	SU(3)	SU(4) / SU(3)xU(1)	B^6(ball)	pi^3/6	S^5	4pi^3
Weak	S^2xS^2	2x4pi	SU(2)	Spin(5) / SU(2)xU(1)	IV3	pi^3/24	RP^1xS^2	4pi^2
e-mag	T^4	4x2pi	U(1)	-	-	-	-	-

timeanddate.com

June 2017 (United States)

July 2017

S	M	T	W	T	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

Sun	Mon	Tue	Wed	Thu	Fri	Sat
28	29 Memorial Day	30	31 Shavuot	1	2	3
4 Pentecost	5 Whit Monday	6	7	8	9	10
11 Trinity Sunday	12	13	14	15 Corpus Christi	16	17
18 Father's Day	19	20	21 Lailat al-Qadr June Solstice	22	23	24
25	26 Eid al-Fitr	27	28	29	30	1

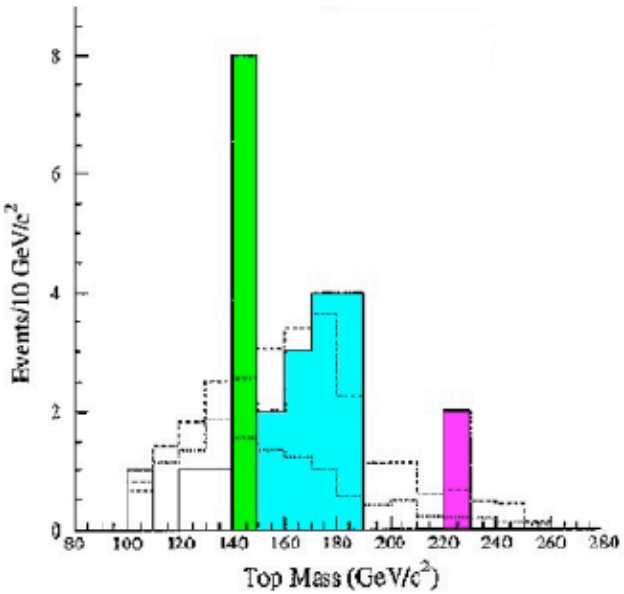
timeanddate.com

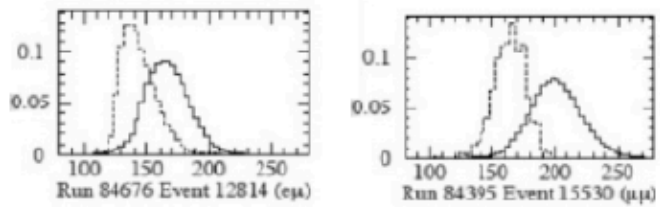
June 2017 (China)

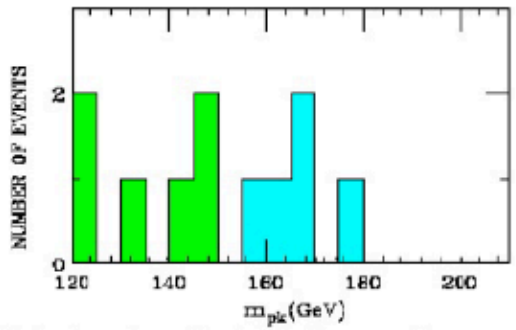
July 2017

M	T	W	T	F	S	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

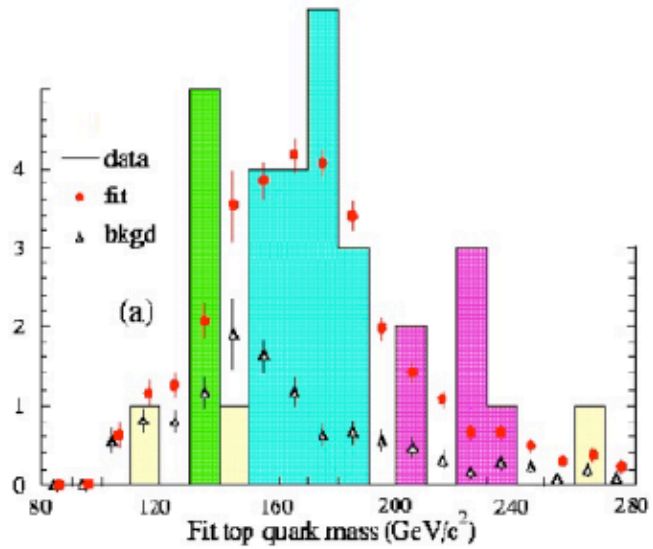
Mon	Tue	Wed	Thu	Fri	Sat	Sun
29	30 Dragon Boat Festival	31	1 Children's Day	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21 June Solstice	22	23	24	25
26	27	28	29	30	1 CPC Founding Day	2

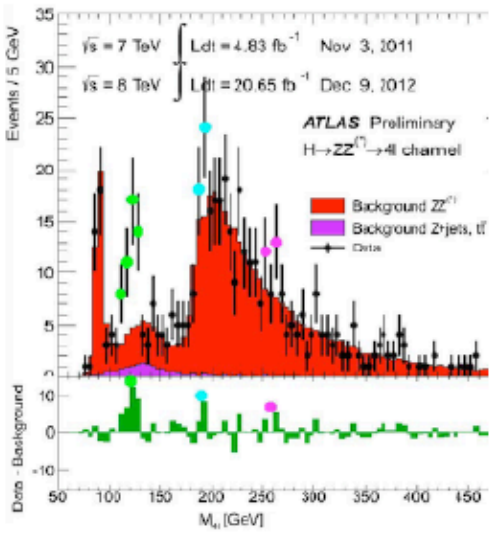


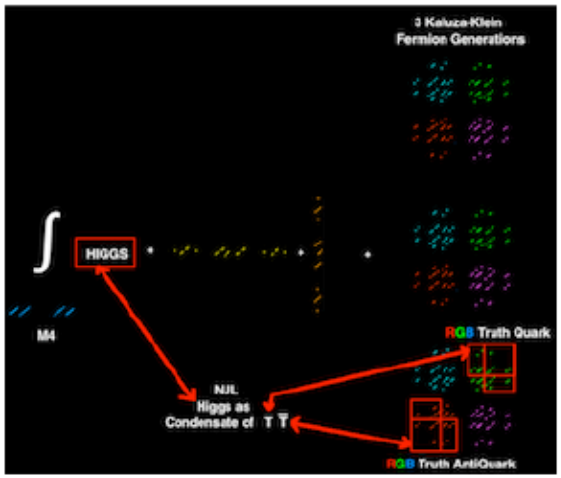


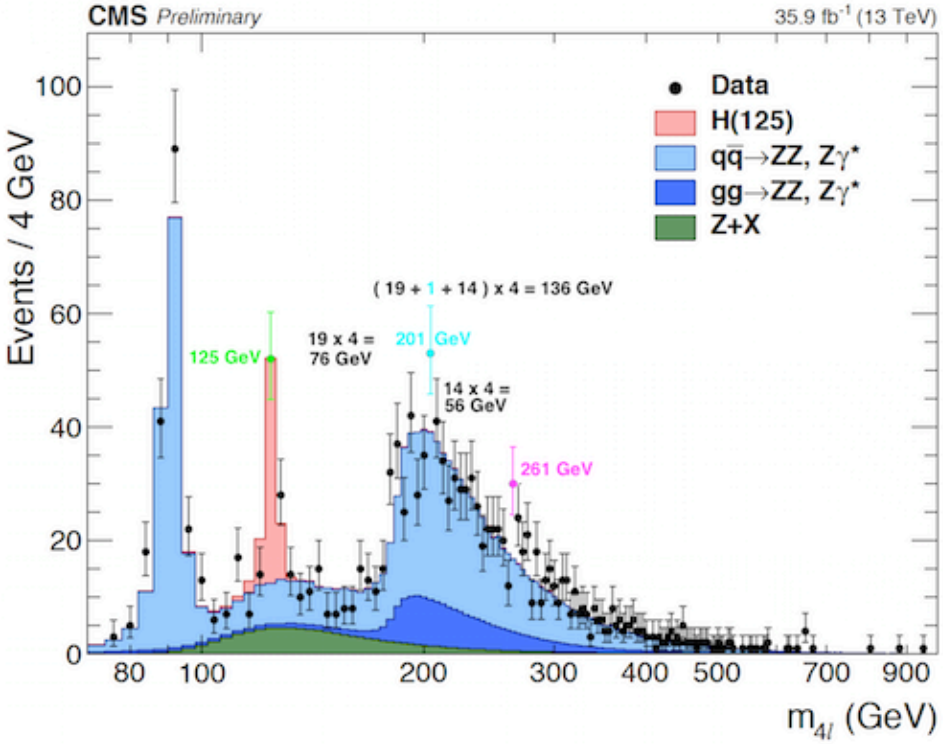


The distribution of m_{pk} values determined from 11 CDF dilepton events









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July 2017 (United States)

August 2017

S	M	T	W	T	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

Sun	Mon	Tue	Wed	Thu	Fri	Sat
25	26 Eid al-Fitr	27	28	29	30	1
2	3	4 Independence Day	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31	1 Tisha B'Av	2	3	4	5

timeanddate.com

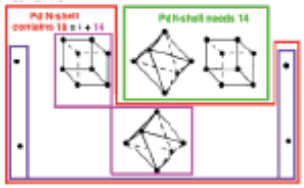
July 2017 (China)

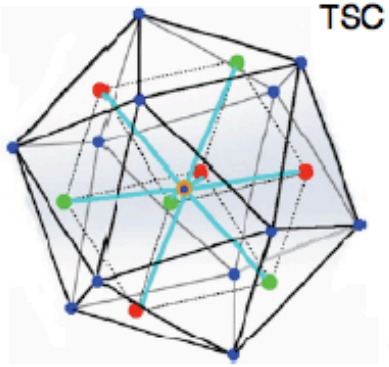
August 2017

M	T	W	T	F	S	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

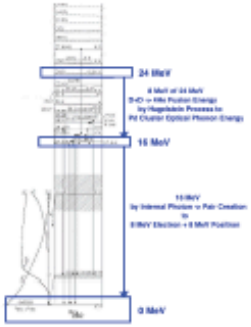
Mon	Tue	Wed	Thu	Fri	Sat	Sun
26	27	28	29	30	1 CPC Founding Day	2
3	4	5	6	7	8	9
10	11 Maritime Day	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31	1 Army Day	2	3	4	5	6

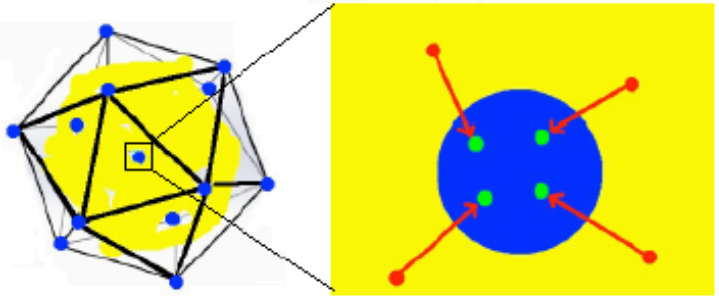
Schwinger Pd-D Zeolite Quantum Fusion Process:

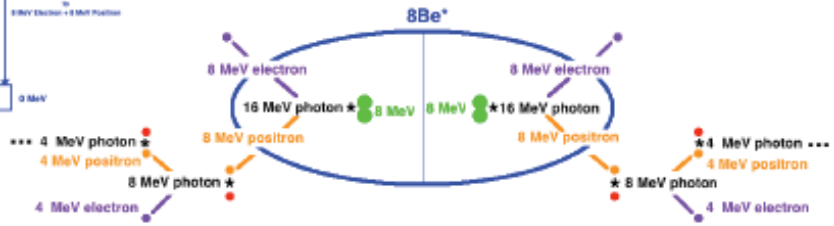


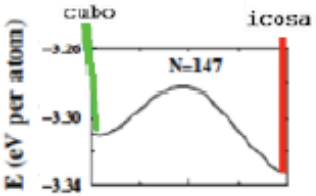


Akito Takahashi
TSC Pd-D Fusion

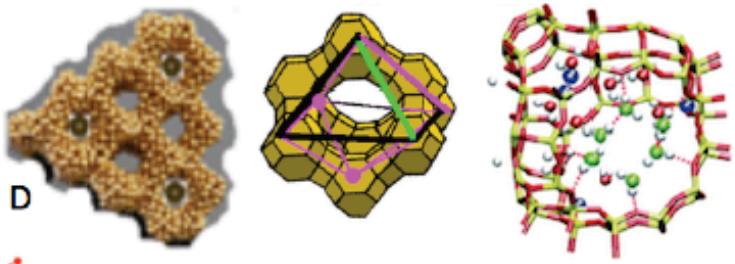






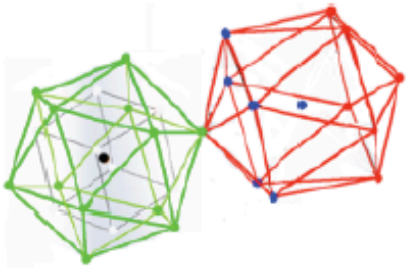


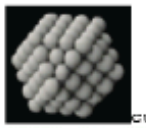
Peter Hagelstein Nuclear Energy to Pd Structure to Zeolite



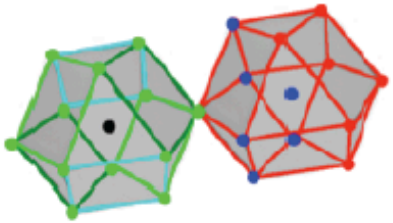
Sandia-UNM 147-atom Pd Clusters

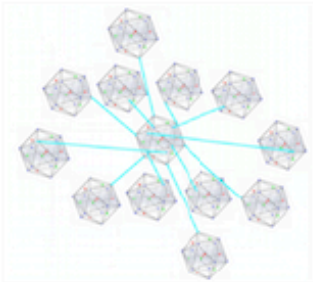
icosa



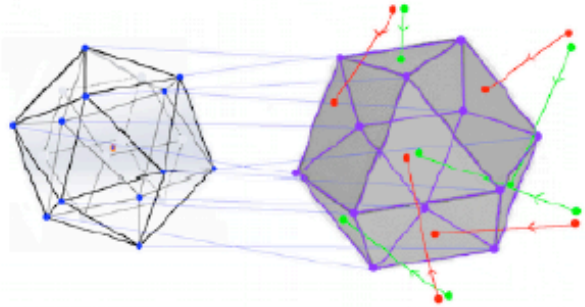


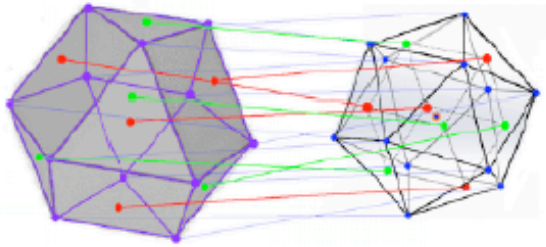
cubo

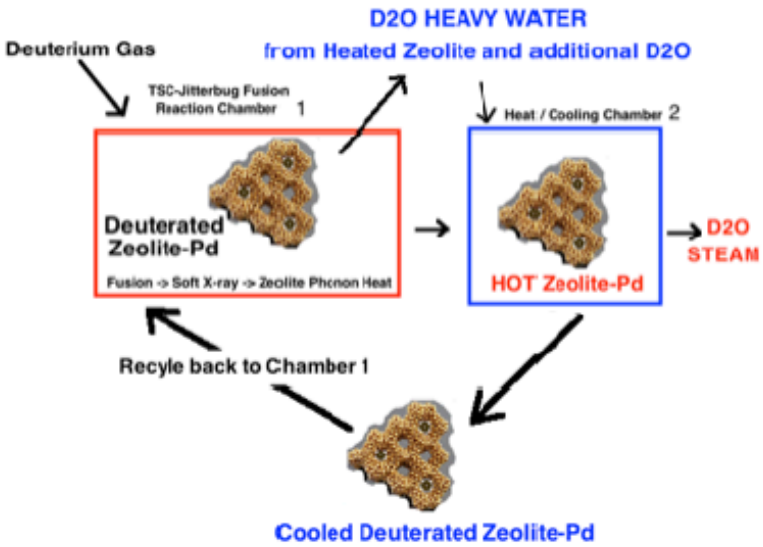




Klee Irwin Jitterbug Eject He and Reload D







timeanddate.com

August 2017 (United States)

September 2017

S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

Sun	Mon	Tue	Wed	Thu	Fri	Sat
30	31	1 Tisha B'Av	2	3	4	5
6	7	8	9	10	11	12
13	14	15 Assumption of Mary	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31	1	2 Eid al-Adha

timeanddate.com

August 2017 (China)

September 2017

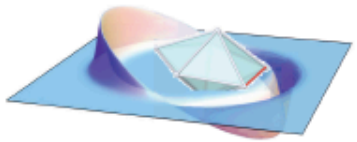
M	T	W	T	F	S	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	

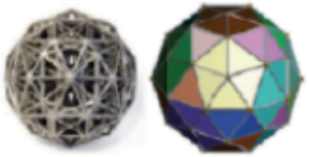
Mon	Tue	Wed	Thu	Fri	Sat	Sun
31	1 Army Day	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28 Double Seven Festival	29	30	31	1	2	3

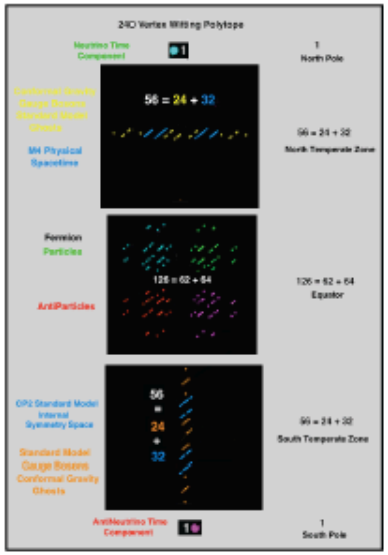
Each QRC State, analagous to a Possible Conscious Thought, is represented by a Chain of Local E8-Cl(16) Deutsch-type Multiverse Snapshots
Each of the Local E8-Cl(16) Multiverse Snapshots is described by an E8 State. Since E8 has 240 Root Vectors and
the 240 Root Vectors correspond to the 240-Polytope (see "Geometric Frustration" by Sadoc and Mosseri (Cambridge 2006) where they say

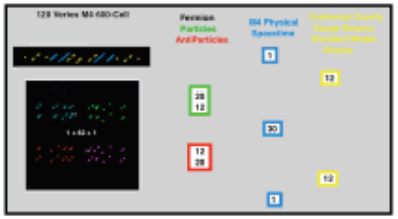
"The polytope 240 ...[s]... not a regular polytope ... but ... an ordered structure on a hypersphere ... S3 ... which is chiral ...
generated by adding two replicas of the {3,3,5}, displaced along a screw axis of S3 ...".)

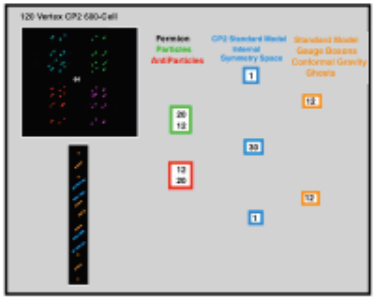
each Local E8-Cl(16) Multiverse Snapshot is represented by a pair of {3,3,5} 600-cells.

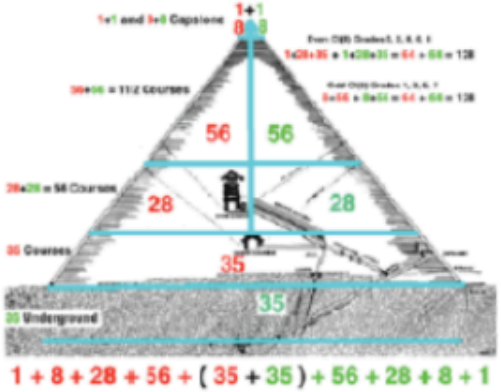












Green, Schwartz, and Witten say in their book "Superstring Theory" vol. 1 (Cambridge 1986)
"... For the ... closed ... bosonic string .... The first excited level ... consists of ...
the ground state ... tachyon ... and ... a scalar ... 'dilaton' ... and ...
SO(24) ... little group of a ...[26-dim]... massless particle ... and ...
a ... massless ... spin two state ...".

Closed string tachyons localized at orbifolds of fermions produce virtual clouds of particles / antiparticles that dress fermions.

Dilatons are Goldstone bosons of spontaneously broken scale invariance that (analagous to Higgs) go from mediating a long-range scalar gravity-type force to the nonlocality of the Bohm-Sarfatti Quantum Potential.

The SO(24) little group is related to the Monster automorphism group that is the symmetry of each cell of Planck scale local lattice structure.

The massless spin two state is the carrier of the Bohm-Sarfatti Quantum Potential.

Peter R. Holland says in his book "The Quantum Theory of Motion" (Cambridge 1993)
"... the total force ... from the quantum potential ... does not ... fall off with distance ...
because ... the quantum potential ... depends on the form of ...[the quantum state]...
rather than ... its ... magnitude ...".

First consider Superposition of States involving one tubulin
with one electron of mass m and two different position states separated by a .
The Superposition Separation Energy Difference is the gravitational energy

E_electron = G m^2 / a

For any single given tubulin a = 1 nanometer = 10^(-7) cm so that for a single Electron

T = h / E_electron = (Compton / Schwarzschild) (a / c) = 10^26 sec = 10^19 years

Now consider the case of N Tubulin Electrons in Coherent Superposition
Jack Sarfatti defines coherence length L by L^3 = N a^3 so that
the Superposition Energy E_N of N superposed Conformation Electrons is

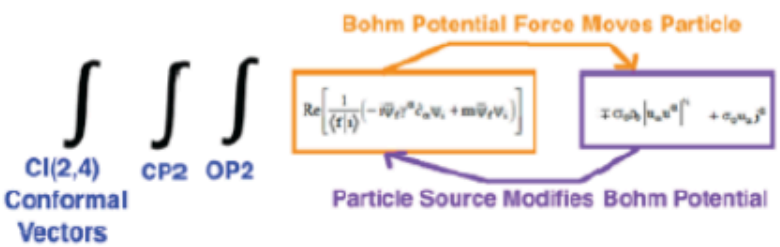
E_N = G M^2 / L = N^(5/3) E_electron

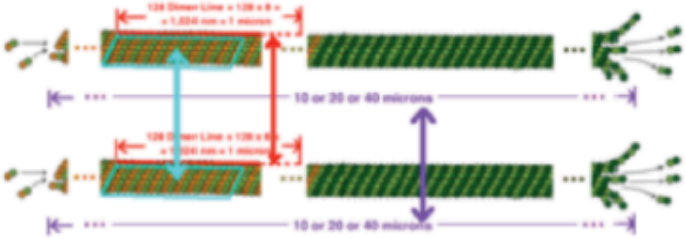
The decoherence time for the system of N Tubulin Electrons is

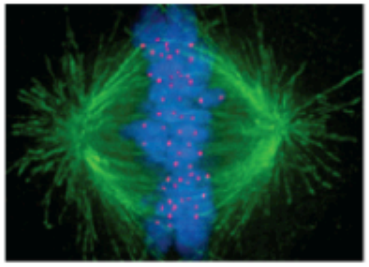
T_N = h / E_N = h / N^(5/3) E_electron = N^(-5/3) 10^26 sec

Number of Involved Tubulin Dimers	Time T_N	
10^(11+9) = 10^20	10^(-33 + 26) = 10^(-7) sec	10^11 neurons x 10^9 TD / neuron
10^16	10^(-27 + 26) = 10^(-1) sec - 10 Hz - Human Alpha EEG is 8 to 13 Hz -	

Fundamental Schumann Resonance is 7.8 Hz -
Time of Hamiltonian Circuit of 10^16 TD separated from nearest neighbors
by 10 nm is 10^16 x 10 nm / c = (10^16 x 10^(-6)) cm / c = 10^10 cm / c = 0.3 sec -







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September 2017 (United States)

October 2017

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

Sun	Mon	Tue	Wed	Thu	Fri	Sat
27	28	29	30	31	1	2 Eid al-Adha
3	4 Labor Day	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21 Rosh Hashana	22 Muharram September equinox	23
24	25	26	27	28	29	30 Yom Kippur

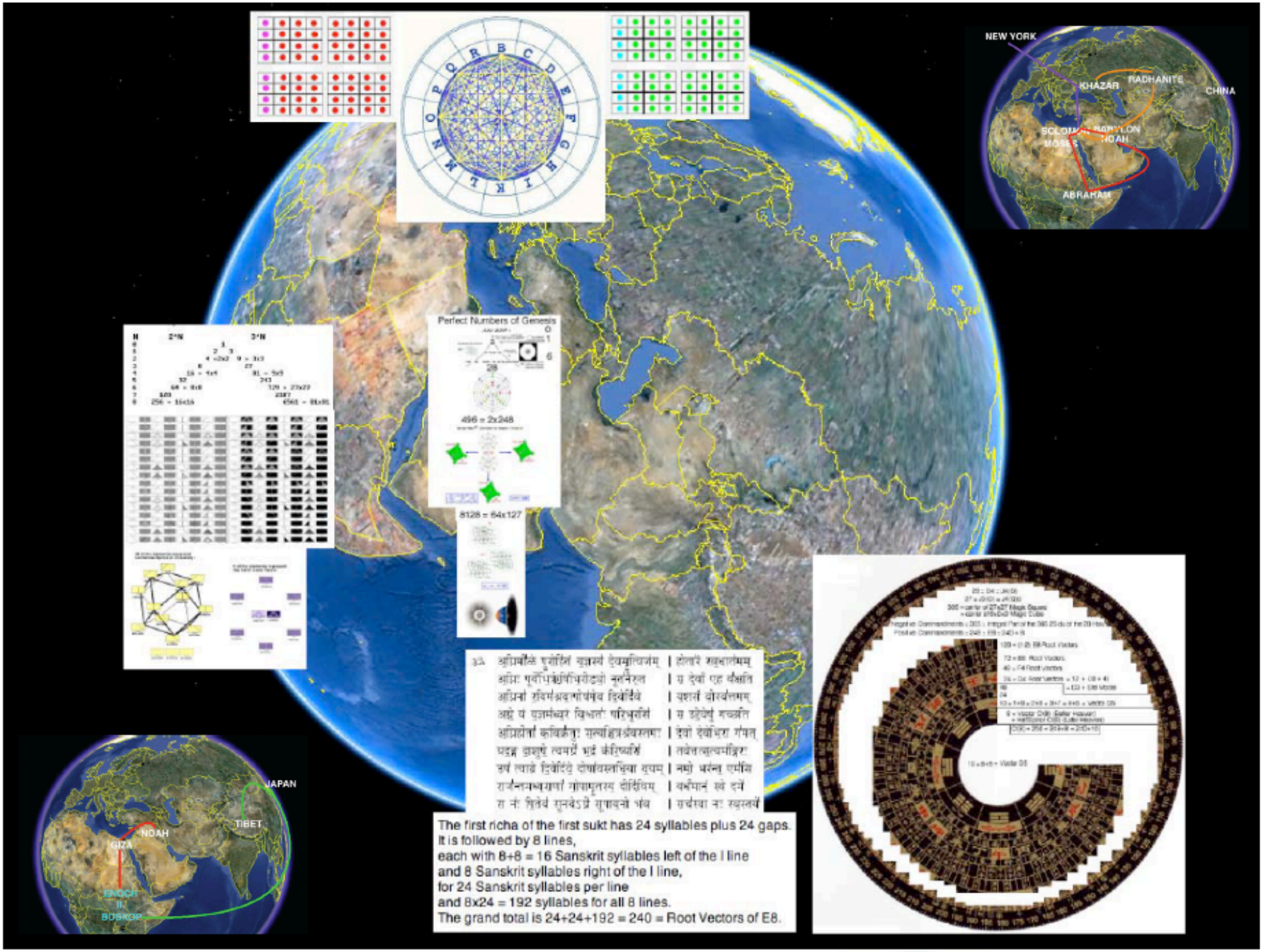
timeanddate.com

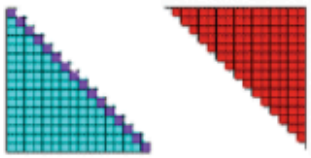
September 2017 (China)

October 2017

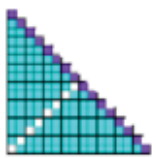
M	T	W	T	F	S	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

Mon	Tue	Wed	Thu	Fri	Sat	Sun
28 Double Seven Festival	29	30	31	1	2	3
4	5 Spirit Festival	6	7	8	9	10 Teachers' Day
11	12	13	14	15	16	17
18	19	20	21	22	23 September equinox	24
25	26	27	28	29	30	1 National Day


NEW YORK
KHAZAR
RADHANITE
CHINA
SOLOMON
BABYLON
MOSES
NOAH
ABRAHAM
Perfect Numbers of Genesis
496 = 2x248
8128 = 64x127
JAPAN
TIBET
NOAH
GIZA
ENOCH
II
BOSKOP
The first richa of the first sukt has 24 syllables plus 24 gaps.
It is followed by 8 lines,
each with 8+8 = 16 Sanskrit syllables left of the I line
and 8 Sanskrit syllables right of the I line,
for 24 Sanskrit syllables per line
and 8x24 = 192 syllables for all 8 lines.
The grand total is 24+24+192 = 240 = Root Vectors of E8.



50,000 years ago



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October 2017 (United States)

November 2017

S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

Sun	Mon	Tue	Wed	Thu	Fri	Sat
1	2	3	4 Feast of St Francis of Assisi	5 First Day of Sukkot	6	7
8	9	10	11 Last Day of Sukkot	12 Shmini Atzeret	13 Simchat Torah	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31 Halloween	1 All Saints' Day	2 All Souls' Day	3	4

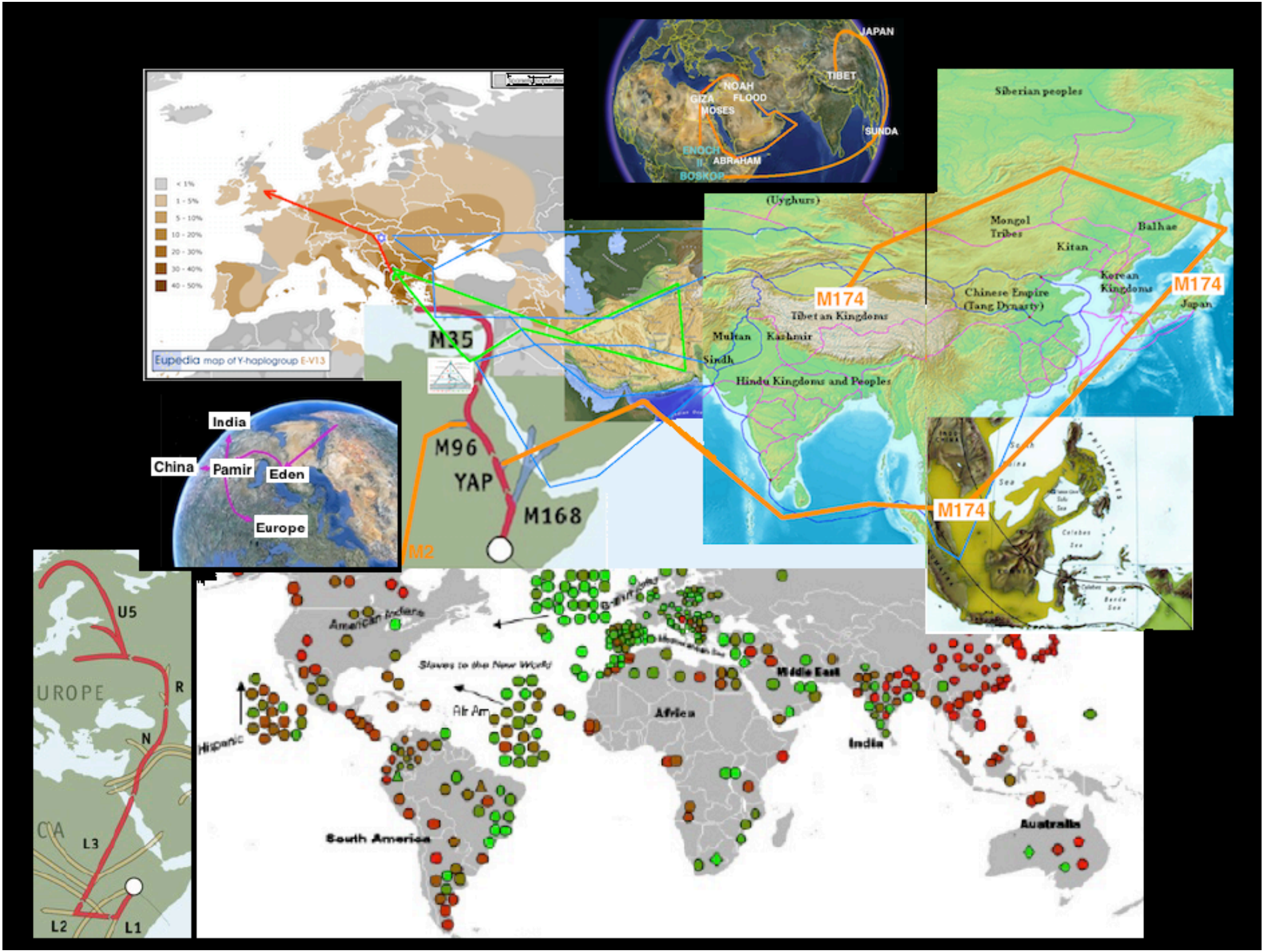
timeanddate.com

October 2017 (China)

November 2017

M	T	W	T	F	S	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

Mon	Tue	Wed	Thu	Fri	Sat	Sun
25	26	27	28	29	30	1 National Day
2 National Day Golden Week holiday	3 National Day Golden Week holiday	4 Mid-Autumn Festival National Day Golden Week holiday	5 National Day Golden Week holiday	6 National Day Golden Week holiday	7 National Day Golden Week holiday	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28 Double Ninth Festival	29
30	31	1	2	3	4	5


JAPAN
TIBET
NOAH
FLOOD
GIZA
MOSES
SUNDA
ENOCH
ABRAHAM
BOSKOP
Eupedia map of Y-haplogroup E-V13
M35
M96
YAP
M168
M2
India
China
Pamir
Eden
Europe
(Uyghurs)
M174
Tibetan Kingdoms
Multan
Kashmir
Sindh
Hindu Kingdoms and Peoples
Siberian peoples
Mongol Tribes
Kitan
Balhae
Korean Kingdoms
Chinese Empire (Tang Dynasty)
Japan
M174
M174
U5
R
N
L3
L2
L1
American Indians
Slaves to the New World
Hispanic
Middle East
Africa
India
South America
Australia

timeanddate.com

November 2017 (United States)

December 2017

S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

Sun	Mon	Tue	Wed	Thu	Fri	Sat
29	30	31 Halloween	1 All Saints' Day	2 All Souls' Day	3	4
5	6	7	8	9	10	11 Veterans Day
12	13	14	15	16	17	18
19	20	21	22	23 Thanksgiving Day	24	25
26	27	28	29	30	1 The Prophet's Birthday	2

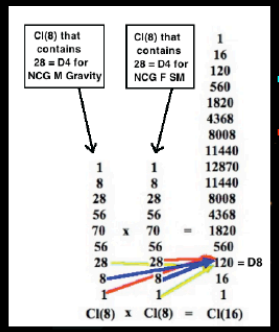
timeanddate.com

November 2017 (China)

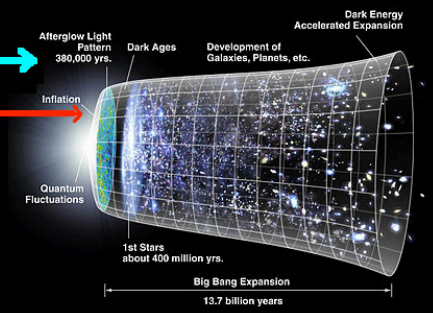
December 2017

M	T	W	T	F	S	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

Mon	Tue	Wed	Thu	Fri	Sat	Sun
30	31	1	2	3	4	5
6	7	8 Journalists' Day	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	1	2	3

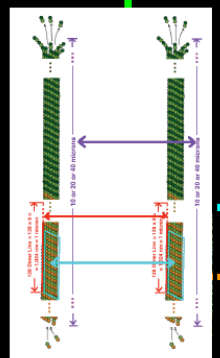


NJL Quantum Condensate



10^19 E8 Lattice 240-vertex Polytope Cells in Universe at End of Inflation

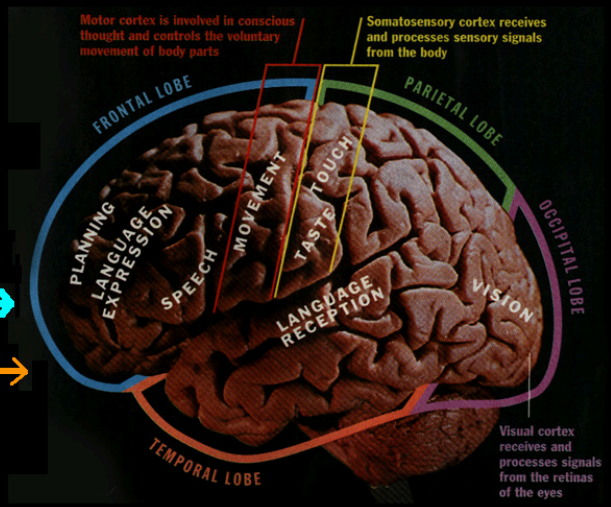
Quantum Resonant Connection



Microtubules 40 microns long have 65,536 Tubulin Dimers

Penrose-Hameroff Quantum Condensate

10^19 Tubulin Dimers in a Human Brain



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December 2017 (United States)

January 2018

S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

Sun	Mon	Tue	Wed	Thu	Fri	Sat
26	27	28	29	30	1 The Prophet's Birthday	2
3 First Sunday of Advent	4	5	6	7	8 Feast of the Immaculate Conception	9
10	11	12	13 Chanukah/Hanukkah (first day)	14	15	16
17	18	19	20 Last Day of Chanukah	21 December Solstice	22	23
24 Christmas Eve	25 Christmas Day	26	27	28	29	30
31 New Year's Eve	1 New Year's Day	2	3	4	5	6 Epiphany

timeanddate.com

December 2017 (China)

January 2018

M	T	W	T	F	S	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

Mon	Tue	Wed	Thu	Fri	Sat	Sun
27	28	29	30	1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22 December Solstice	23	24
25 Christmas Day	26	27	28	29	30	31