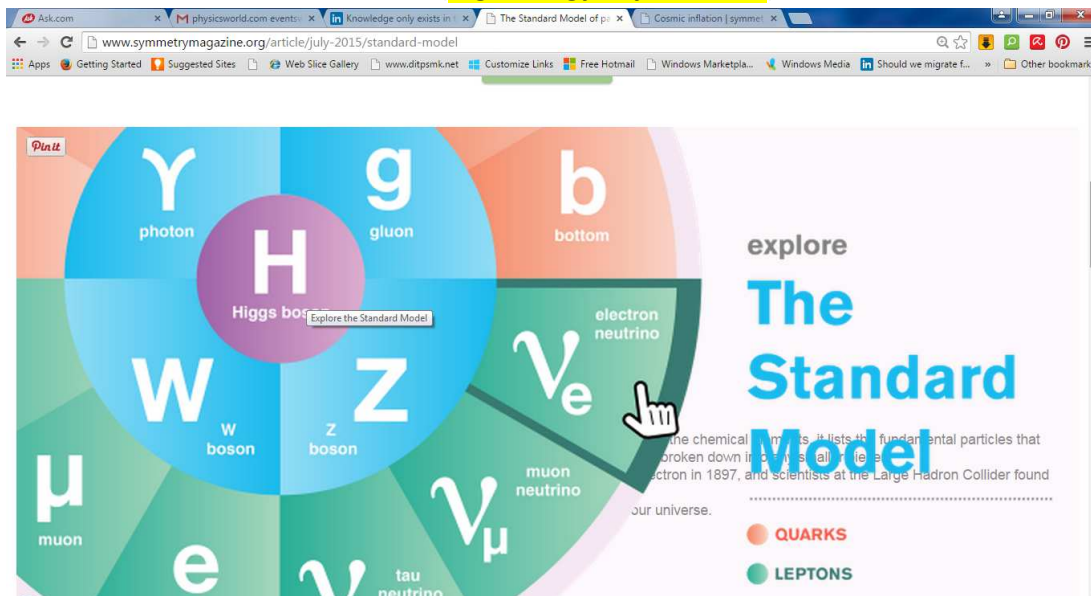
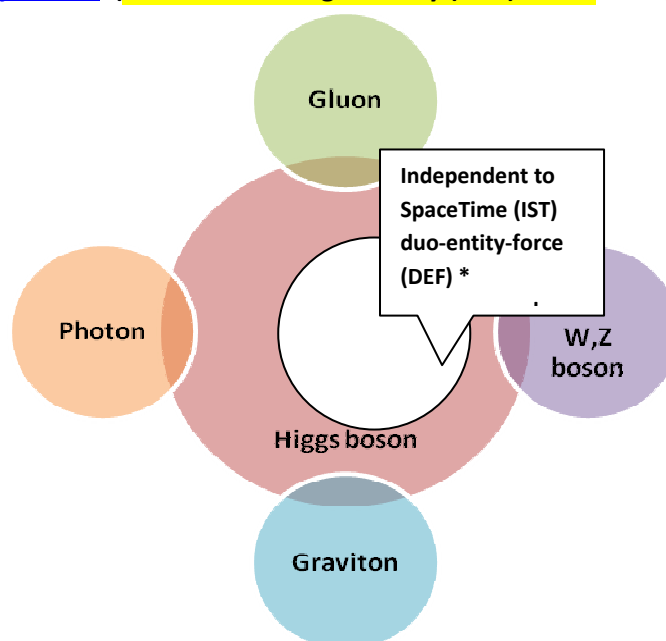


Nature Knowledge Theory (NKT) based vs High Energy Physics based the Standard Model of Particle Physics : the **BIGBLOW** vs the **BIGBANG**

THEIRS : <http://www.symmetrismagazine.org/article/july-2015/standard-model>
(High Energy Physics based)



OURS : <http://ow.ly/PtiIWR> **(Nature Knowledge Theory (NKT) based** : see pp 13 – 16)



***DEF (duo-entity-force)**, a fundamental elementary mass less particle unit or basic building block of Universe in the form of entity pairing between the 4th force (**Graviton**, giving *gravitational effect*) representing somatic mediating **particle function** and the 5th force (**Knowon**, giving *entanglement*)

effect) representing psycho (consciousness) mediating **wave function** both as an entity in superposed state between Dependent to SpaceTime (DST) for Graviton and Independent to SpaceTime for Knowon. The existence of DEF discovered as implication of reversed engineering mechanism driven with Inverted Paradigm Method (IPM) on our **Human System Biology based Knowledge Management (HSB_KM)** model framework (see URL <http://t.co/Ri7IY8HP>). Actually *Known* as “the waving” 5th force will act as “the waving string” with regards to (Super) String theory within Sub Quantum Mechanics (SQM) Universe domain. **IST DEF began to do Big Blowing in the form of DST DEF or Dark Energy to making Interplanetary Space → Interstellar Space → Interplanetary Space** about 13.7 Billion years ago until currently in sustainable manner giving universe expanding and accelerating expansion (the word of *quintessence* that’s meaning of “soul” or “heart” by any mean is valid and suitable for IST DEF as well as DST DEF)

NATURE KNOWLEDGE THEORY (NKT) BASED NEW STANDARD MODEL OF PARTICLE PHYSIC

Trans Disciplinary approach & Nature Knowledge based the proposed New Standard Model of Particle Physics

Particle Carrier (Quantum Mechanic / QM)

Wave Carrier (Sub Quantum Mechanic /SQM)

Solar System (High Energy Physics) oriented : (Quantum level)

Matter Particle

(FERMION) carrier

Forces Particle

(BOSON) carrier

	I	II	III	
mass →	2.4 MeV	1.27 GeV	171.2 GeV	0
charge →	$\frac{2}{3}$	$\frac{2}{3}$	$\frac{2}{3}$	0
spin →	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	1
name →	u up	c charm	t top	Y photon
	4.8 MeV	104 MeV	4.2 GeV	0
	$-\frac{1}{3}$	$-\frac{1}{3}$	$-\frac{1}{3}$	0
	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	1
	d down	s strange	b bottom	g gluon
	<2.2 eV	<0.17 MeV	<15.5 MeV	91.2 GeV
	0	0	0	0
	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	1
	ν_e electron neutrino	ν_μ muon neutrino	ν_τ tau neutrino	Z ⁰ weak force
	0.511 MeV	105.7 MeV	1.777 GeV	80.4 GeV
	-1	-1	-1	±1
	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	1
	e electron	μ muon	τ tau	W [±] weak force

Bosons (Forces)

Interstellar Galactic (Nature Knowledge) oriented : (Sub Quantum at Planck size level with IST dominated over DST)

SomaCon* Mediating Wave = (DEF) carrier**

(DEF field is absolute space before (as Negative Energy) and after the BigBang (as Gravitational Wave)

*SomaCon = Somato (Soma = body / corpus) Consciousness **DEF = duo-entity-force

New Super Symmetry (SUSY) concept : balance between Particle Carrier with Wave Carrier

- DEF comprised of superposed **Graviton** and **Knowon** (as we coined the name) as an entity
- Graviton (G)** : the 4th Fundamental Force – Dependent to SpaceTime (DST) – Gravitational effect
- Knowon (K)** : the 5th Fundamental Force – Independent to Space Time (IST) – Entanglement effect
- The existence of DEF discovered as implication of Top-Down (reversed engineering) mechanism applied to our **Human System Biology-based Knowledge Management (HSB_KM)** model framework (<http://t.co/Ri7IY8HP>)
- Top-down approach used in Cosmology to trace the histories of Universe backward from the present time (Stephen Hawking et-al, 2010). Basically it is *Qualitative Clarification Assessment (QCA)* instead of *Quantitative Verification Assessment (QVA)* as in High Energy Physics assessment
- Our main postulates saying ... *Consciousness is the attribute of Knowledge and Human Knowledge is integral part of Nature Knowledge continuum. Nature Knowledge is the third basic ingredient or fabric of the Universe besides Matter and Energy since the BigBang or even before the BigBang in the form of IST DEF...*
- Knowledge Management (KM) model framework as integrated collective tacit knowledge (collective mind brain as explicit knowledge) representing culture and value of people within organization assumed as *high-end Universe evolution model*
- There should be consistent consciousness (“psycho”) - somatic structure within high-end Universe evolution model as part of Nature Knowledge continuum to be reverse engineered toward quantum level. In this circumstance is the constancy of human absolute value scaling ratio of three human loci as sources of human knowledge. We used Thurstone scaling technique to convert the formerly relative to absolute scaling ratio
- Knowledge Value (KV)** measurement of DEF = 10^{-38} (Planck constant) CEF (CEF as measurement variable unit stands for Consciousness Element Factor ranging from 10^{-38} CEF through Infinite CEF within Nature Knowledge continuum). Essentially it is the *anthropic principle* which is based if we take human life as a given condition of the universe, we used this as the starting point to derive expected properties of the universe as being consistent with creating human life. Knowledge Value (KV) as Nature Knowledge metrics could becoming an important role in cosmology, specifically in trying to deal with the apparent *fine-tuning* of the universe - <http://tinyurl.com/pgjhl7>
- Evidence based research driven and empirically verified (<http://tinyurl.com/k3nuo6e>), our HSB_KM model through Top-down approach came up with **Nature Knowledge Theory (NKT)**, a new basic science within Hierarchy of Science
- The advantages of DEF and NKT : - Having potential to overcome the “Five Great Problems in Theoretical Physics” (<http://tinyurl.com/q4c338>), - With regard to its Planck constant level, NKT and/or DEF could enriched the String Theory, - NKT will complement Physics as basic science, - The main resource of DEF is interstellar galactic domain, the key to demystifying Dark Energy and Dark Matter, - Could establish Unified Field Theory and/or Theory of Everything (TOE) with regard to already included Gravity on main issue

Nature Knowledge Continuum covering IST Sub Quantum Mechanic (SQM) to Quantum Mechanic (QM) toward Classical Mechanic (CM) with Human KV around 1.0 – 9.0 CEF

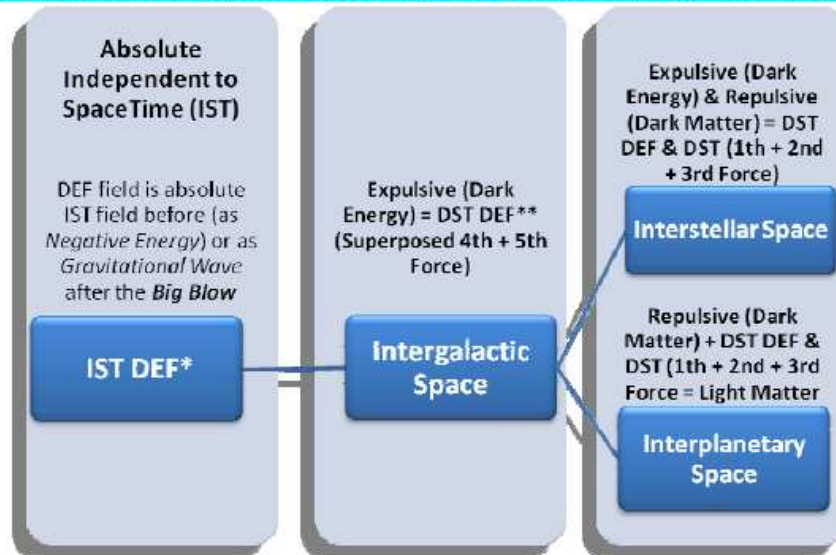
From KV beyond human being at Infinite CEF

to KV = 10^{-38} CEF as basic building block unit of Universe

THE ***BIGBLOW*** NOT THE ***BIGBANG*** !

THE DISCOVERY OF NATURE KNOWLEDGE THEORY (NKT) – THE NEW BASIC SCIENCE

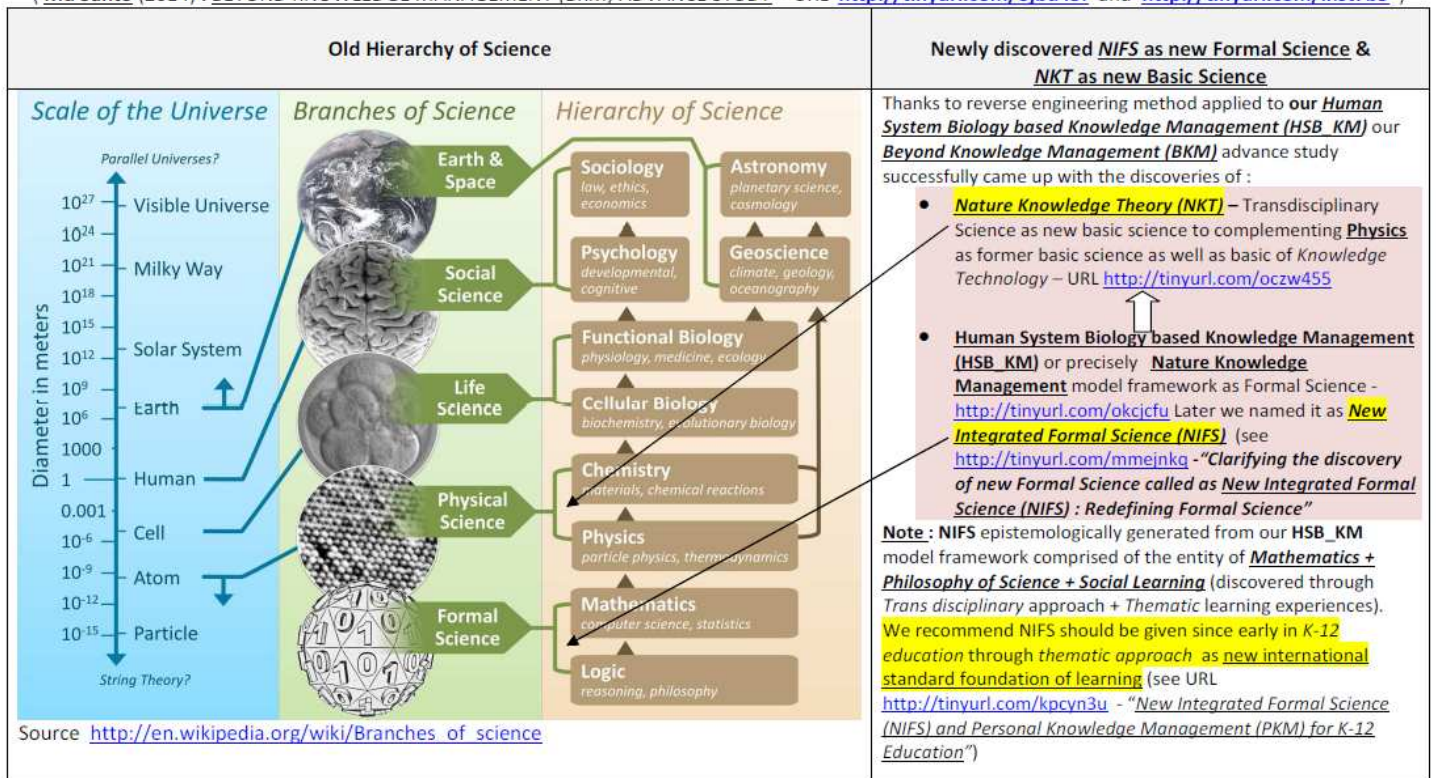
From Knowledge Management (KM) model based Nature Knowledge Theory (NKT) – It is the ***BIG BLOW*** not the ***BIG BANG***



- Intergalactic Space : within universe
- Interstellar Space : within galaxy
- Interplanetary Space : within solar system

THANKS TO KNOWLEDGE MANAGEMENT – WE DISCOVERED THE HIDDEN BASIC SCIENCE DEDICATED TO THE SCIENCE OF 21ST CENTURY !

(Md Santo (2014) : *BEYOND KNOWLEDGE MANAGEMENT (BKM) ADVANCE STUDY* – URL <http://tinyurl.com/ojbu43f> and <http://tinyurl.com/lhst7b3>)



Source http://en.wikipedia.org/wiki/Branches_of_science

JOIN OUR SCIENCE AND EDUCATION REFORM BY REPLACING THE **BIG BANG WITH THE **BIG BLOW** UNDERSTANDING**
Knowledge Management consciousness is the living key toward future Science and Education

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Luisa dall' Acqua – da.luisa@gmail.com

Stephen Hawking said :“I think the next century will be the century of COMPLEXITY”
 but **Md Santo** responded : “Dear Hawking, it seems the next century will be the century of KNOWLEDGE” - URL <http://tinyurl.com/ksz25gb>

“The day science begins to study non-physical phenomena, it will make more progress in one decade than in all the previous centuries of its existence.” – **Nikola Tesla**

“I regard consciousness as fundamental. I regard matter as derivative from consciousness. We cannot get behind consciousness. Everything that we talk about, everything that we regard as existing, postulating consciousness.” – **Max Planck**, theoretical physicist who originated quantum theory, which won him the Nobel Prize in Physics in 1918

“It was not possible to formulate the laws of quantum mechanics in a fully consistent way without reference to consciousness.” **Eugene Wigner**, theoretical physicist and mathematician. He received a share of the Nobel Prize in Physics in 1963

“No problem can be solved from the same level of consciousness that created it.” – **Albert Einstein**

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(.....We provide the document above upon request)

**Short Biodata of principle investigators on development of NKT and NIFS
within K-12 Education as well as Higher Education**



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