Table I: The Massive Particular Fundamentals of the Universal Meta-Calculus

H^o Heavy Higgs	6.4437146656 TeV ←	$N_U/4 = 50.7510373445$ Is **S**et, so sets up this set up	**s******
A^o CP odd Higgs pseudoscalar boson	360.492670779 GeV	(primary deductions (**d**) or strong derivations ******* are 'proven' by meta-calculus, but remain (KK) inferred) $= m^{H^{\pm}} \times 3$ (!, & squarks will demand it!)	**d*****
m_o gaugino $^{A}\Delta m_o = A^o - m_o =$	359.9995190894 GeV ← = .4931516925 GeV |	$241 + N_U/12 - N_U = N_U/4 + X = 3Z + X = R_{mo}^{pl}$ $= 54.912863070594 = 2^{8.5 + 1/(241/20)} \times m_{p+e}$	**s******
υ_2 upper Higgs value or 2e/3 top doublet	vacuum expectation i.e. 'raw' $t^{+2/3}\bar{t}^{-2/3}$ pair 343.5613138669 GeV	$1/3 - 1/4 = 1/12$, so $N_U/3 - N_U/16 = N_U/4 + N_U/48$ $\leftarrow R_2^{pl} = 54.9802904565 = (13 \cdot N_U)/48 =$ $= 2^{8.5 + 15/(241 \times 4)} \times m_{p+e}$	**s******
$m_{1/2}$ gaugino $\upsilon_2\Delta m_{1/2}$ $= \boldsymbol{u}_2 - m_{1/2}$	340.772997766 Gev = 2.7883161 GeV |	$\leftarrow 241 + (1/12 - 1/241) - N_U + N_U/12 = R_{1/2}^{pl} =$ $54.9920470252 = 241 + 17 - 1/(241 \times 12/11) - N_U$ $= m_{p+e} \times 2^{8.5 + 1/(241 \times 12/11)}$: SuSy,SG,$M^{D11}$,KK -	**s****** Univeral Gauges Converge

top quark m_t =	171.780656933 GeV	$= \upsilon_2/2 = 2^{7.5 + 1/(241 \times 4/15)} \times m_{p+e}$	****
h^o light SM Higgs scalar boson	125.102352709 GeV '15LHC - 125.09 ±0.24 GeV!	$= \upsilon_2/3 + \upsilon_1/8 = m_{(t\bar{t})}/3 + \Upsilon_{(b\bar{b})\ 4s}$ **- ex**plain**s** & **ex**per. fit**s** Standard Model too well, yet Min. **SuSy** Higgs!	**d***
$H^{\pm}$ Charged MSS Higgs boson	120.164223593 GeV $6/128 = 1/21.33333$ =	$= A^o/3$ ($\leftarrow N_{p+e} - 7$) $= m_{p+e} \times 128$ (naturally) .046875; so cosmic KK key to *baryon* **count** (& thus	**d***-* extra star)
$\overline{W}^+$ (*anti-*) Wino (or 'chargino')	Carries *only* +*charge* Only R^{pl} fixed *directly* by Fermat 241 SuSy - 103.884160332 GeV	on *creation* of *-charged* bsd or bss by $m_{1/2}$ to spit out +**baryons** and *nonannihilable* Υ_o *antimatter!!* (sans [5-star!] Fermi/KK analysis of Gev value) $\leftarrow$ 56.7058823523 = 241/4.25 = (241×4)/17	**d*** **s****
Z^o neutral *Weak* vector boson	91.1876329873 GeV since $b\bar{b}$ or bs pair from *Z* decay	$= W^{\pm} + \Upsilon_{b\ (4s)} + m_s + m_d$; confirming *W* & Z^o only possible if Z^o also = $9 \times \Upsilon_{b\ (4s)} + m_s - m_b$	**d***p* A **P**roof in **p**uddin'
υ_1 H-vac. min.	84.6553126024 GeV	$= \Upsilon_0 \times 2$	****
$W^{\pm}$ charged *W*	80.4206477667 GeV	$= \upsilon_1 - m_b - m_d$ (bare b as in $t^+ \rightarrow b^- + W^+ (\rightarrow \overline{l}^+, \nu)$	**d***

Υ_0 neutralino (or Higgsino!)	42.3276563012 GeV	$\leftarrow N_U/4 + N_U/28 = N_U/3 - N_U/21$, so R^{pl} = 58.001185536455 = $N_U/3.5$	**s******
Υ_b (4s) B-$\overline{B}$ res.	10.5819140753 GeV	= $\upsilon_1/8$ = $\Upsilon_0/4$ (the resonance being a true 'doublet')	********
Ξ_b (bsd)$^-$ [m(bsu)^o] Ξ^-_b =	only **-**charge *possible* for *material* B-baryons (except Σ(buu)$^+$of course) 5.794.66767747 Gev	So$^+\overline{W}$inos serve **3** purposes: as *antimatter to (bsd)*$^-$ (or bss) baryonic matter upon creation, spewing antineutralinos and +matter (protons or lambda$_c$s) in decay = m(bdu)^o + (m_s - m_d) [so it follows that m(bsu)^o = -m_u!]	**d*****
$\upsilon_1 \div 15$ = -- m(d+d+u) = $A^o/64$ = 6 x mp+e - m(bdu)^o	5.643687506826 GeV 5.6249911487146 GeV = 5.63269798092 GeV = 7.70549515 MeV	Implies b,s:d mixing with ups (with CP broken first by m_0) to get predominately neutral b-baryons [with or w/o explicit (bsu)->(bdu)] : Anyway the value (A^o- m_o) = 493.15169 MeV ~ charged kaons, but scales K^o's below , as = (A^o- m_o)/64 (so a strange mix indeed)	comments: (strong CP conserved by axions as 0-gaugino violates CP)
Λ^0_b (bdu)^o	5.62499248577 GeV	= $m_o/64$	********
bottom m_b =	4.226901567 GeV	= [(a/6) + 1] × m_s	**d******

$\upsilon_2 \Delta m_{1/2}$ = $\boldsymbol{u}_2$ - $m_{1/2}$ = (And so for a little extra *homework*:	2.7888290336 2.788318904 2.7883161 GeV 2.788304463 2.788286410 2.78815966715	= $\{m_{p+e} \times 2^{\pi/2}\}$ A taste of Fermi/KK physics = {}- m_e]; -> so +charge & spin non-ambiguous = 3(m_{p+e} - m(2d+u)/2)^o (so, like $\boldsymbol{u}_2$ - $m_{1/2}$, charge neutral) = m_b - m_c - m_s - m_d (charge ambiguous) = m(2u+d)$^+$x a_2 (Can you spot the major sources of non-exactness?)	Some *charming* curiosities, quairks and flavors
Ω_c^o (css)^o	2.6996627616 GeV	$\cong$ ($\boldsymbol{u}_2$ - $m_{1/2}$) - (m_s)/2 But are there some better alternative?	**
Λ_c^+ (cud)$^+$ Charmed Lambda	2285.14396122 2,284.85171698 MeV 2284.63296232	< {*($\boldsymbol{u}_2$ - $m_{1/2}$) - (A^o- m_0)}- m(3u+1e)$^+$, but should be {($m_{p+e} \times 2^{\pi/2}$- m_e)$^+$ *charge & spin* non-ambiguous, so = - ($^A\Delta_{mo}$)^o - (m_d +m_u+ m_{e^+} (2 × $^d\Delta_u$))^o/2 ≥ {*}; - m(3u+2e)^o *transfer +charge*, so 0:+, not +:+at removal)	*** prefered, tho maybe *imp*erfect eq. value
charm m_c =	1.25354401305 GeV	= $m_t/a = m_t$ x α almost too simple and strong!	**d****
$m_p + m_e$ =	938.782996828 MeV	N_{p+e} = 63.4958506224 pure **:*KK-gauge*:** m_{p+e} metric	measure
K^o (s$\bar{d}$)^o ($\bar{s}$d)^o	497.6873732 MeV	= 65(A^o- m_0)/64) - m_u = { $\Delta_{m_0}^{A^o}$ ×65/64}- m(d+ u) + d	***

$K^{\mp}$ $(s\bar{u})^{-}$ $(\bar{s}u)^{+}$	493.679368806 MeV	$= (64 \times m_d) - m_u = (63 \times m_d) + {}^{d}\Delta_u$	**d*****
strange $m_s =$	177.307876796 MeV	$\leftarrow N a_2/3 = 65.9003857060$ *pure* gauge for $e^{-}/3$	**s******
$\pi^{\pm}$ $(u\bar{d})^{+}$ $(d\bar{u})^{-}$	139.5698652 MeV	$= \pi^{o} + {}^{d}\Delta_u = P^{ivac} - m_d - m_e = P_{ivac} + 2m_d - m_u$	**d*****
pion vacuum P^{ivac} = Parameters P_{ivac}	147.84413261 sans -(m_s)-> - 20.6309886374 = 127.213144 MeV =	$\frac{(m(H^{\pm}) - \sqrt{2} \cdot m(\upsilon_1))}{3} - (m_d + m_u + m_e + (2 \times {}^{d}\Delta_u))$	a taut KK tautology
π^{o} $(u\bar{u})^{o}$ or $(d\bar{d})^{o}$	134.9764125 MeV	$= \pi^{\pm} - {}^{d}\Delta_u = P_{ivac} + m_d = P_{ivac} - m_u + (m_d + m_u)$	**d*****
down quark $m_d =$	7.7632685096 MeV	$= m_s/(a/6)$	**d******
${}^{d}\Delta_u$ d-u differential or change	4.5934527179 MeV	$= m_d - m_u = \pi^{\pm} - \pi^{o}$	**p****** **b**est **p**uddin's **pi**e

m(u+u+e) - m_e = m(u+u) up quark m_u =	= 6.8506304856 MeV = 6.3396315836 MeV thus, dividing by 2 = 3.1698157918 MeV	= m_{p+e}/a = $m_c/2^{7.5+1/241x4/15}$... so, the nut-shell lesson of = $(m_{p+e}$ - [m_e x a]$)/a$ .... Multi-Dual KK-Meta-Logic is: = $((m_{p+e}/a)$ - $m_e)/2$ = $[(m_c/2^{7.5+1/(241x4/15}$) - $m_e]/2$	As Above, So Below - As Below, So Above **d******
electron m_e =	.510998902 MeV	present (1999-2001) experimental (book) value	measured
neutrino sector	.0213664129 eV	= N$a_2/2$ mass mixing over 2π×↑ + 2π×↓ over axion	a puzzle?
axion m_a =	.00340057 eV	← $N_U/2$ = 101.502074689	**s******

Food for Future Thought

In regard to that nut-shell synopsis of Kaluza-Klein meta-physics and the up-quark, two immediate mutually-dual purposes are alluded to - beyond the implied kaon mediated CP symmetry-breaking by the m_o -gaugino to get a neutral b-Lambda baryon 'from above' in regard to its greater '241 gauging' from which all such 'Set' values are derived from 'From Above' via the Monolith Number to begin with. First, it would be wise to ponder the fact that, ultimately, the up quark's mass derivation is independent of the other quarks by being only determinable by the combined p+e mass (by simply reversing the time-worn reference in nuclear physics texts to the pionic Yukawa coupling in regard to the charged pion mass roughly being 2xa times the electron's mass. While this derivation is 'from above' in terms of m_{p+e}, as well as, mutually, from charm by reversing the p+e to top relation, charm is gauged 'from above' by top but are as

indeterminable of up as is up of them (close don't count). It is also recommended that you study its significance to not only the down quark and d-u differential, but in combination with the electron, in regard to 'charge count conservation' of the quark content, if only to verify any admittedly shakier calculations of hadrons from their quark content. For the 'purpose' of everything here is to *get* To Below, From Above, while the physical validity of the meta-mapping ultimately is best confirmable From Below by the self-evident isomorphisms with the *'fundamental' constituents* of stable free matter - within the proton, and the electron itself - their charge, obviously, being the only determinate of what this term even means. So, secondly, the lowly mass of the misnomered (at least 'from below') 'up' quark, as well as its +2/3-charge, will be instrumental in regard to the fundamental 'flavored' parameters of the more truly literal Up *squark*s in setting up the full tautology of the extended supersymmetry sector *From* Above.

Which will grandly support our rather revolutionary claim of baryons being naturally *as* 'fundamental' as their quarks with respect to both Winos and neutralinos/Higgsinos (or so-called 'WIMP dark matter), basically being *baryon anti-matter* (stable and unannihilable, 'Weakly Interacting' and a relatively Massive Particle, indeed with respect to *only* the *weakest* force, *gravity*!)! In this regard, the $m_{1/2}$-gaugino will be better seen as a supersymmetric fermion equivalent to a basically neutral gauge boson as the effective *source* of a charged +Wino fermi gauge particle and a *non-ambiguously* -charged (ok, (bss)) b-baryon. We will set up this ultimate feat of informed speculation by a multi-dual mapping to a re-vamped classical Kaluza-Klein formulation of supersymmetric electro-(super)gravity From Above, whereby a SuSy reformulation of the so-called 'standard model' of electroweak symmetry breaking nearer the scale of the 'Fermi energy' associated with the *weak coupling constant* with respect to our only method of establishing metrical analysis for such concepts as 'inverse squared-energies' - From Below, with respect a numeric *derivation* of the Fermi energy from the relatively 'low energy' m_{p+e} KK-gauge! This will set up the analysis for the sleptons, leptons, and perhaps symmetry itself, from a more fundamental basis.