

Third International Meeting for New Paradigm Research at L-INPR

The Unified Physics  
(*of Naturics*)  
is  
the New Paradigm

By Peter Jakubowski

*Bagni di Lucca, 31st January 2016*

# The Unified Physics is the New Paradigm

## Our agenda today:

### **0. What remains from the old paradigm?**

1. The main question to be answered scientifically
2. About origin of the Unified Physics
3. The Unified Family of all physical quantities
4. Cosmic Hierarchy of the Solar System
- 5. The cosmic influence upon the life evolution**
6. We answer our main question

# The Unified Physics is the New Paradigm

## What remains from the old paradigm?

1. The entire Universe is **quantized** (in all scales of sizes, period, masses, frequencies, or energies).
2. All is **relative**; there are no absolute quantities.
3. Our Universe is **unitary**; it is possible to have its unified scientific description.

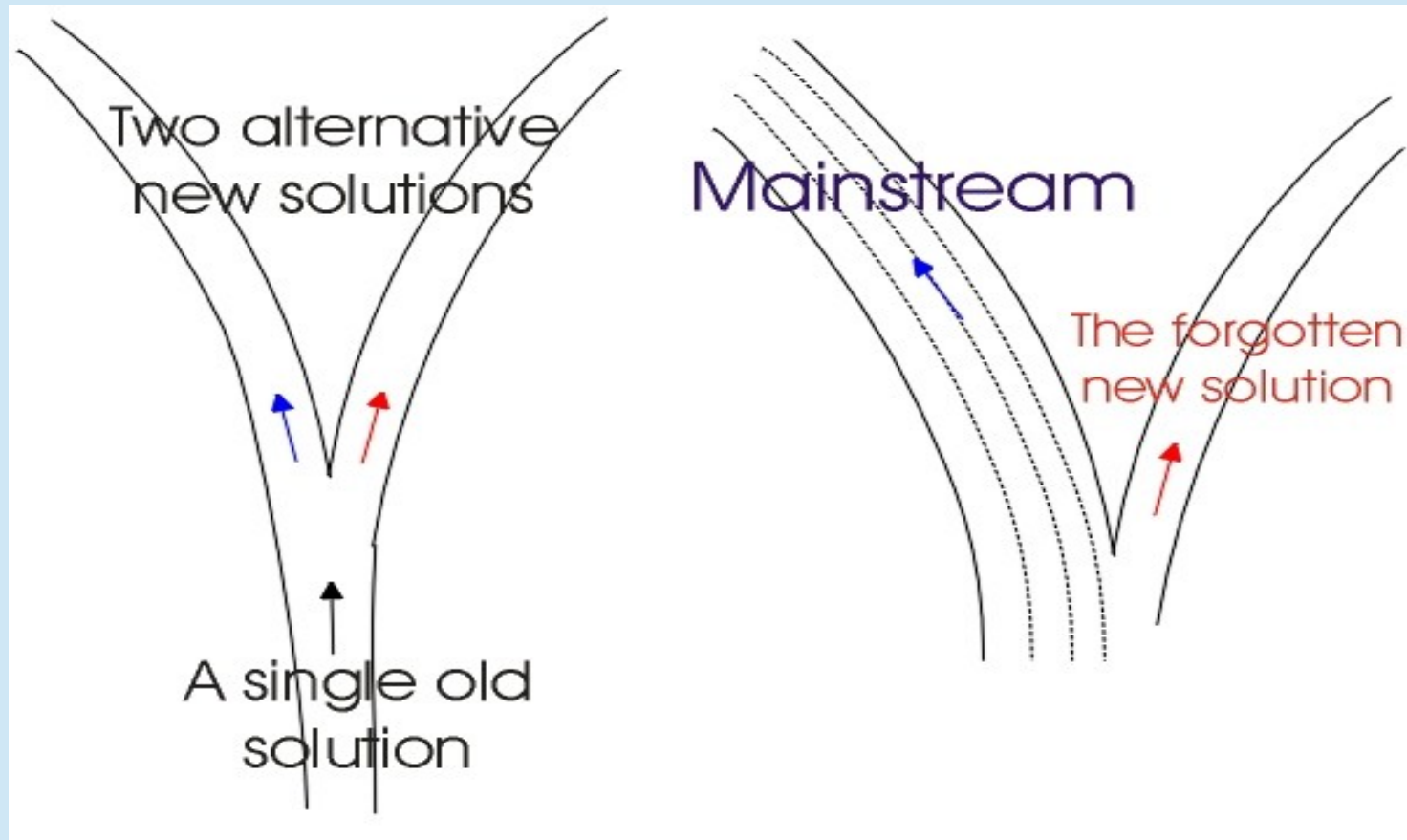
# The Unified Physics is the New Paradigm

We observe that humanity all over the world wakes up. Thus, our main question to be answered here and now is:

**Why does it occur just now,  
in the life-time of our own generation?**

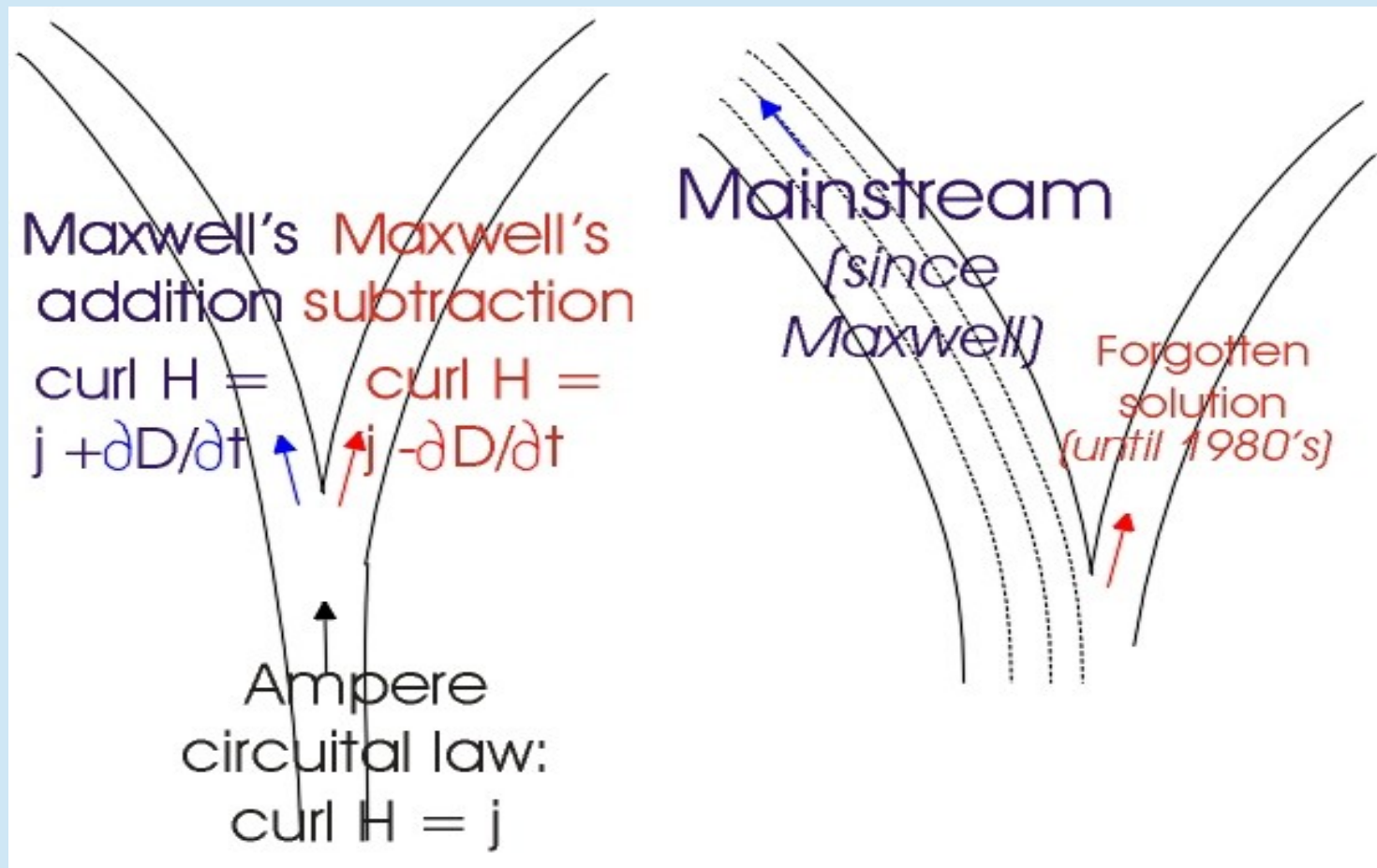
# The Unified Physics is the New Paradigm

A few words about the origin of the Unified Physics



# The Unified Physics is the New Paradigm

A forgotten solution can be the better one



# The Unified Physics is the New Paradigm

**Traditional** solution of Maxwell's equations:

==> Electromagnetic waves **can** propagate in vacuum;

==> Vacuum-speed of light,  $c_{\text{vacuum}}$ , seems to be a universal constant.

==>  $E = mc_{\text{vacuum}}^2$  means mass equivalent to energy.

**Alternative** solution of Maxwell's equations:

==> Electromagnetic waves **cannot** propagate in vacuum;

==> Speed of light is a regular physical quantity; its value is different in  
different states of matter.

==>  $W = mc^2$ ; mass **is not** an equivalent of energy.

==> **Unification of all physical quantities is possible!**

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The main new theoretical construction

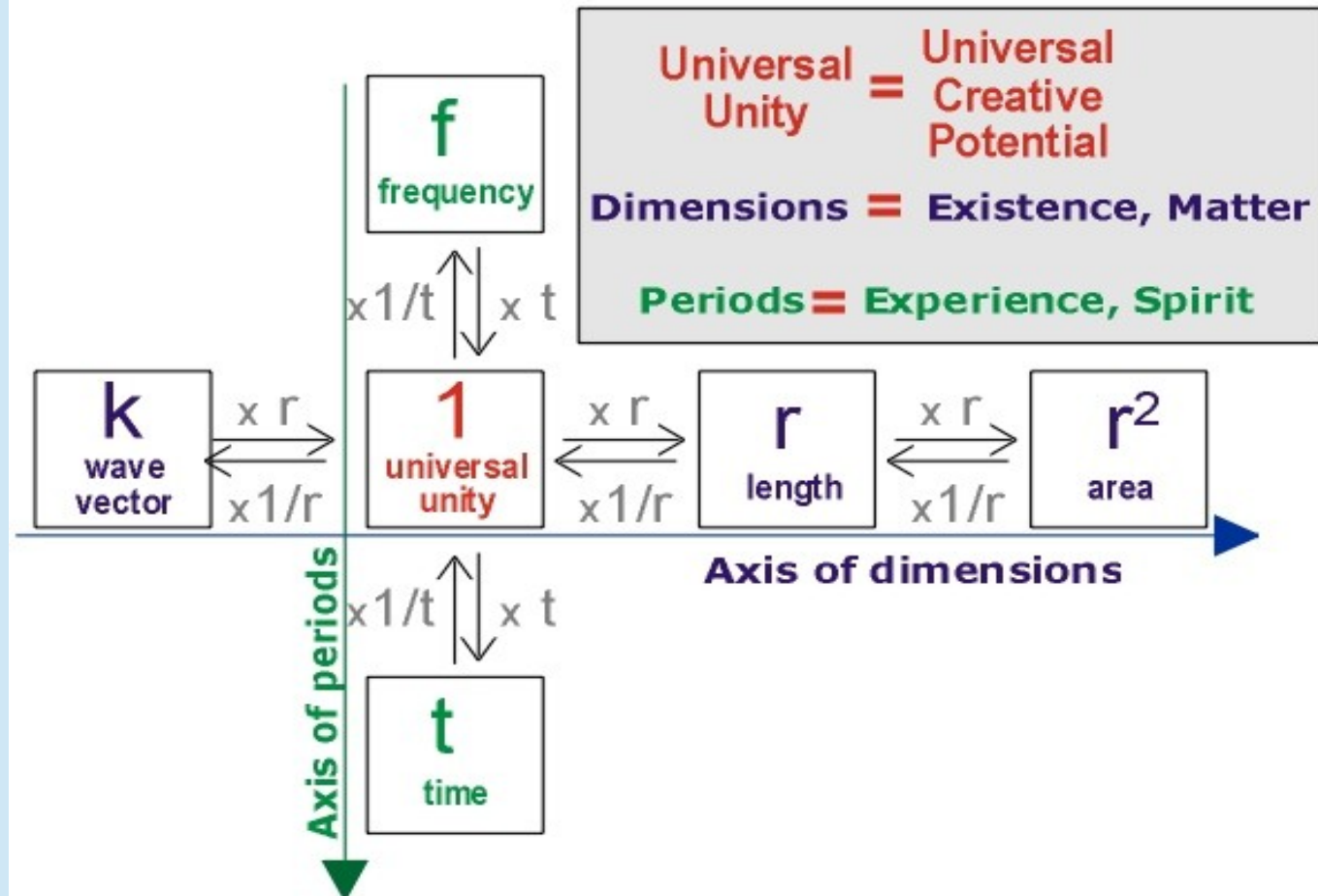
based on the new knowledge is

**the Unified Family of all physical quantities**

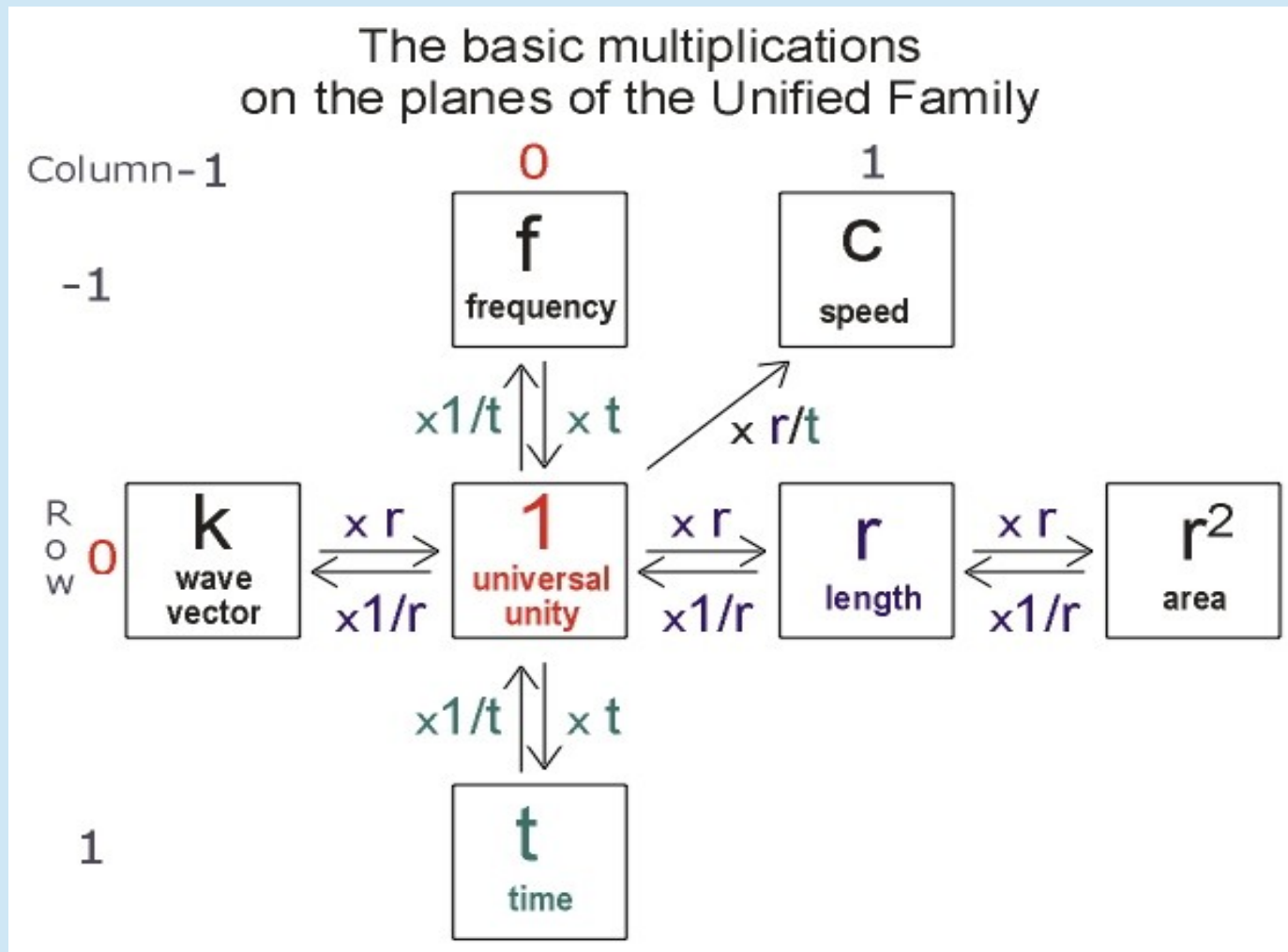


# The Unified Physics is the New Paradigm

Our first steps to create the unified Universe



# The Unified Physics is the New Paradigm



# The Unified Physics is the New Paradigm

Central part of the *dynamic plane* of the Unified Family

| R\C      | -1                      | <b>0</b>                                | 1                    | 2   | 3                    | 4                              |
|----------|-------------------------|---|----------------------|---|----------------------|--------------------------------|
| -1       |                         | $\bar{f}$<br>frequency                  | <b>c</b><br>velocity | $\overset{\circ}{\Phi}_f$<br>frequency flux | <b>F</b><br>force    | $\bar{W}$<br>energy            |
| <b>0</b> | <b>k</b><br>wave vector | $\overset{\circ}{1}$<br>universal unity | <b>r</b><br>length   | $\bar{A}$<br>area                           | <b>p</b><br>momentum | $\overset{\circ}{J}$<br>action |
| 1        |                         | $\bar{t}$<br>period                     |                      | $\overset{\circ}{m}$<br>mass                |                      |                                |

# The Unified Physics is the New Paradigm

The *dynamic plane* of the Unified Family

| R\C | -3           | -2                       | -1                             | 0                                  | 1                       | 2                                | 3                    | 4           |
|-----|--------------|--------------------------|--------------------------------|------------------------------------|-------------------------|----------------------------------|----------------------|-------------|
| -3  |              |                          |                                |                                    | G<br>gravity factor     |                                  |                      |             |
| -2  |              |                          |                                | f <sup>2</sup><br>frequency square | a<br>acceleration       | c <sup>2</sup><br>speed square   | f F<br>force in time | P<br>power  |
| -1  |              |                          |                                | f<br>frequency                     | c<br>speed              | Φ <sub>f</sub><br>frequency flux | F<br>force           | W<br>energy |
| 0   | n<br>density | Δ<br>quantum Laplacian   | k<br>wave vector               | 1<br>universal unity               | r<br>length             | A<br>area                        | p<br>momentum        | J<br>action |
| 1   |              | σ<br>electric conductiv. | ρ <sub>m</sub><br>mass density | t<br>time                          | km<br>linear mass dens. | m<br>mass                        |                      |             |
| 2   |              | ε<br>dielectric factor   | C<br>electr. capacitance       | Φ <sub>ε</sub><br>optical area     |                         |                                  |                      |             |

# The Unified Physics is the New Paradigm

The *electrodynamical plane* of the Unified Family

| R\C | -2                                  | -1                               | 0                                   | 1                                  | 2                               | 3                                 | 4                                     |
|-----|-------------------------------------|----------------------------------|-------------------------------------|------------------------------------|---------------------------------|-----------------------------------|---------------------------------------|
| -1  |                                     |                                  | <b>Bf</b><br>induction<br>in time   | <b>fH</b><br>mag. field<br>in time | <b>E</b><br>electric<br>field   | <b>U</b><br>electric<br>potential | $\Phi_E$<br>electric<br>flux          |
| 0   | <b>BΔ</b><br>induction<br>Laplacian | <b>Bk</b><br>mag. wave<br>vector | <b>B=j</b><br>magnetic<br>induction | <b>H</b><br>magnetic<br>field      | <b>i</b><br>electric<br>current | $\Phi_H$<br>magnetic<br>flux      | $\tilde{\mu}$<br>mag. dipol<br>moment |
| 1   |                                     | $\rho_q$<br>charge<br>density    | <b>D</b><br>planar<br>charge        | <b>kq</b><br>linear<br>charge      | <b>q</b><br>electric<br>charge  | <b>qr</b><br>el. dipol<br>moment  |                                       |

# The Unified Physics is the New Paradigm

| R \ S | -3  | -2                                 | -1                             | 0                                    | 1                              | 2           | 3             | 4           |
|-------|---|------------------------------------|--------------------------------|--------------------------------------|--------------------------------|-------------|---------------|-------------|
| -3    | Example:<br>Einstein's equation<br>$1 * c^2 = c^2$<br>$m * c^2 = W$ |                                    |                                |                                      | G<br>gravity factor            |             |               |             |
| -2    |   | f <sup>2</sup><br>frequency square | a<br>acceleration              | c <sup>2</sup><br>light-speed square | fF<br>temporal force change    | P<br>power  |               |             |
| -1    |   | f<br>frequency                     | c<br>speed of light            | Φ <sub>f</sub><br>flux of frequency  | F<br>force                     | W<br>energy |               |             |
| 0     | n<br>spatial density  | Δ<br>Laplace operator              | k<br>wave vector               | 1<br>universal unity                 | r<br>length                    | A<br>area   | p<br>momentum | J<br>action |
| 1     |   | σ<br>electric conductivity         | ρ <sub>m</sub><br>mass density | t<br>time                            | km<br>linear mass distribution | m<br>mass   |               |             |
| 2     |   | ε<br>dielectric factor             | C<br>electric capacity         | Φ <sub>ε</sub><br>optical area       |                                |             |               |             |

# The Unified Physics is the New Paradigm

| R \ S | -3  | -2                         | -1                             | 0                                  | 1                              | 2                                    | 3                           | 4           |
|-------|---|----------------------------|--------------------------------|------------------------------------|--------------------------------|--------------------------------------|-----------------------------|-------------|
| -3    | Example:<br>Newton's equation<br>$1 * a = a$<br>$m * a = F$ |                            |                                |                                    | G<br>gravity factor            |                                      |                             |             |
| -2    |   |                            |                                | f <sup>2</sup><br>frequency square | a<br>acceleration              | c <sup>2</sup><br>light-speed square | fF<br>temporal force change | P<br>power  |
| -1    |   |                            |                                | f<br>frequency                     | c<br>speed of light            | Φ <sub>f</sub><br>flux of frequency  | F<br>force                  | W<br>energy |
| 0     | n<br>spatial density  | Δ<br>Laplace operator      | k<br>wave vector               | 1<br>universal unity               | r<br>length                    | A<br>area                            | p<br>momentum               | J<br>action |
| 1     |   | σ<br>electric conductivity | ρ <sub>m</sub><br>mass density | t<br>time                          | km<br>linear mass distribution | m<br>mass                            |                             |             |
| 2     |   | ε<br>dielectric factor     | C<br>electric capacity         | Φ <sub>ε</sub><br>optical area     |                                |                                      |                             |             |

# The Unified Physics is the New Paradigm

| R \ S | -3   | -2                                | -1                                   | 0  | 1                                     | 2  | 3                                  | 4                  |
|-------|--|-----------------------------------|--------------------------------------|--|---------------------------------------|--|------------------------------------|--------------------|
| -3    | Another Newton's equations:<br>$p * f = F$<br>$P * \rho_m = F$ |                                   |                                      |  | <b>G</b><br>gravity factor            |  |                                    |                    |
| -2    |  |                                   |                                      | <b>f<sup>2</sup></b><br>frequency square | <b>a</b><br>acceleration              | <b>c<sup>2</sup></b><br>light-speed square | <b>fF</b><br>temporal force change | <b>P</b><br>power  |
| -1    |  |                                   |                                      | <b>f</b><br>frequency                    | <b>c</b><br>speed of light            | <b>Φ</b><br>flux of frequency              | <b>F</b><br>force                  | <b>W</b><br>energy |
| 0     | <b>n</b><br>spatial density                                    | <b>Δ</b><br>Laplace operator      | <b>k</b><br>wave vector              | <b>1</b><br>universal unity              | <b>r</b><br>length                    | <b>A</b><br>area                           | <b>p</b><br>momentum               | <b>J</b><br>action |
| 1     |  | <b>σ</b><br>electric conductivity | <b>ρ<sub>m</sub></b><br>mass density | <b>t</b><br>time                         | <b>km</b><br>linear mass distribution | <b>m</b><br>mass                           |                                    |                    |
| 2     |  | <b>ε</b><br>dielectric factor     | <b>C</b><br>electric capacity        | <b>Φ<sub>ε</sub></b><br>optical area     |                                       |  |                                    |                    |

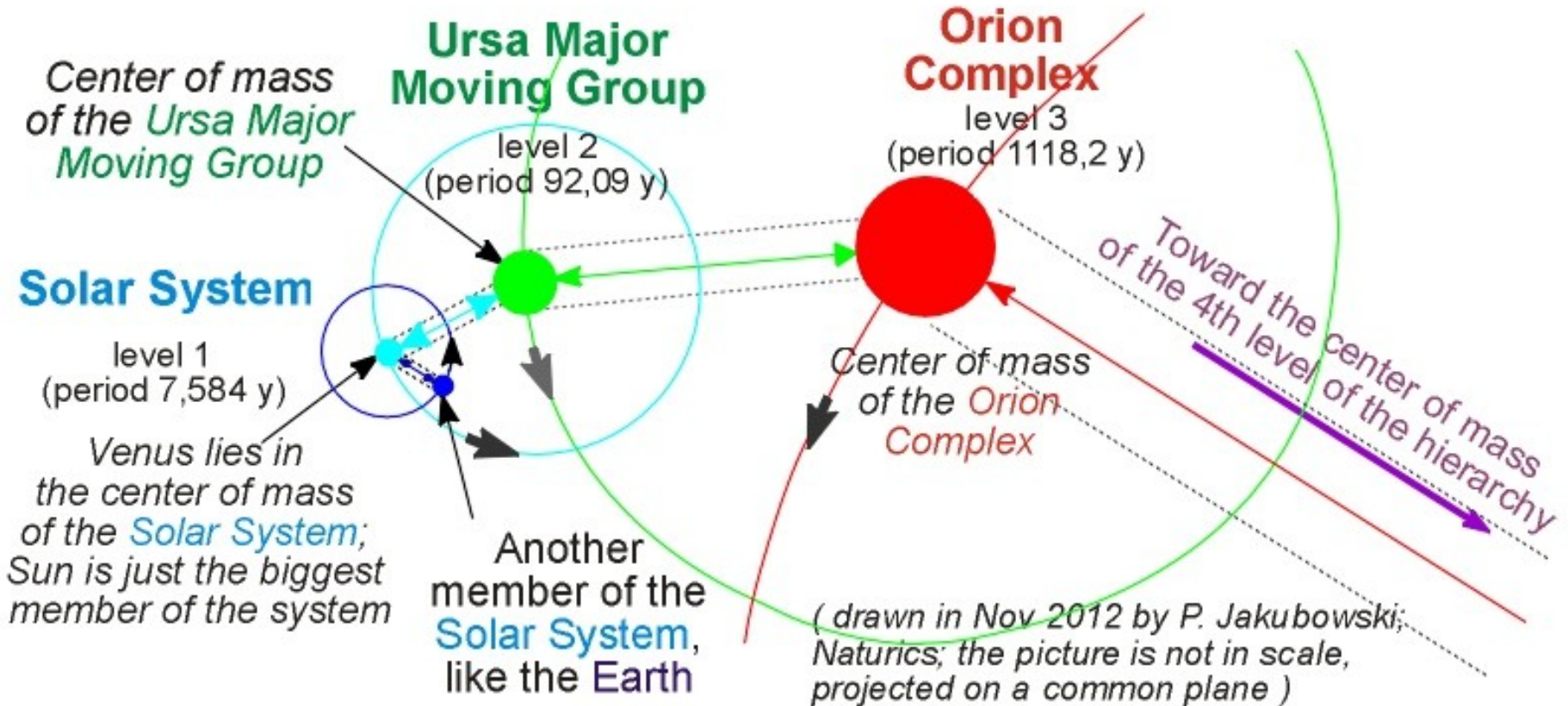


# The Unified Physics is the New Paradigm

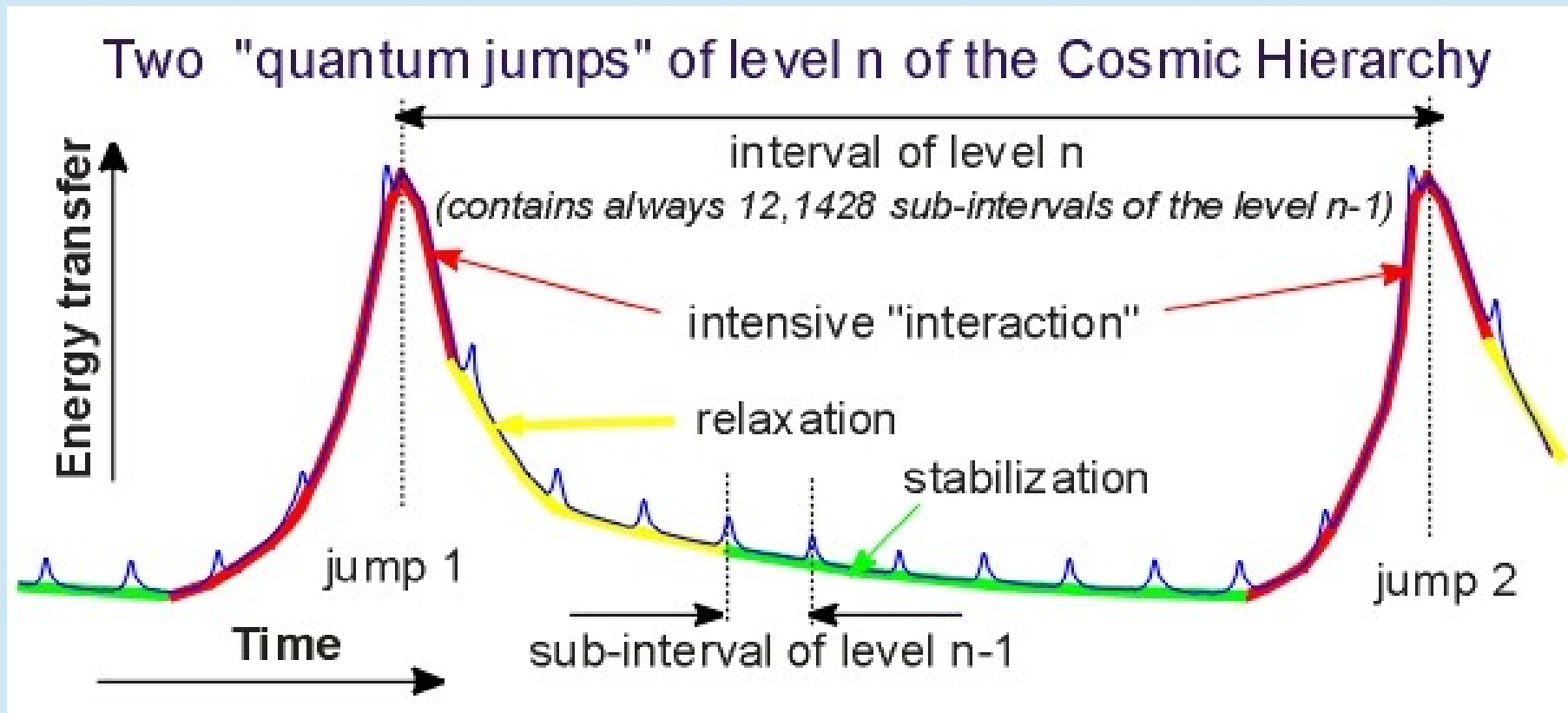
The second new theoretical construction  
based on the new knowledge is  
**the Cosmic Hierarchy of the Solar System**

# The Unified Physics is the New Paradigm

Energy “bridges” between three lowest levels of our Cosmic Hierarchy



# The Unified Physics is the New Paradigm



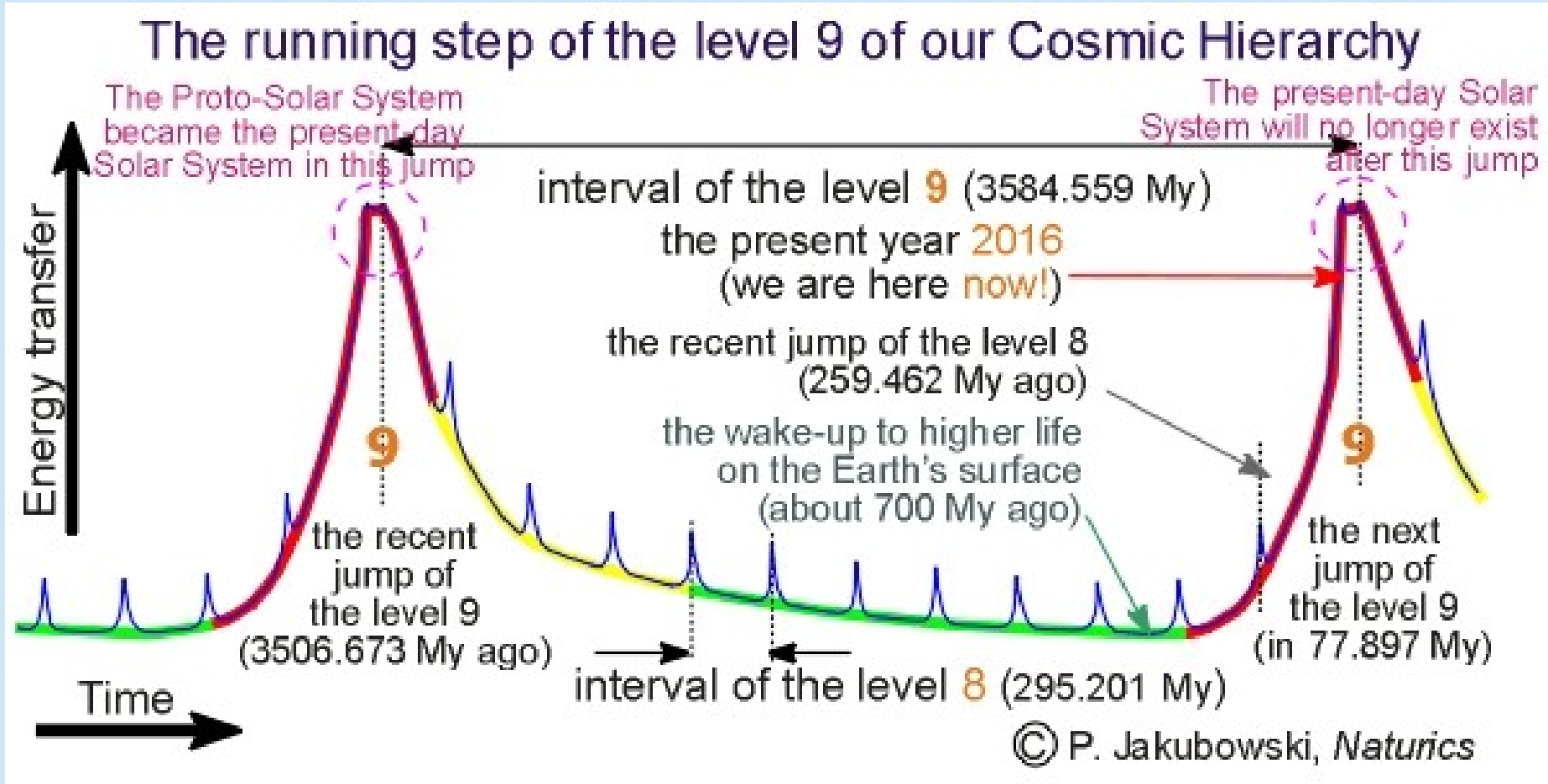
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## Theoretical levels of the Cosmic Hierarchy of our Solar System

| L | Naturics order<br>(2015)  | Radius<br>[ULy]     | Period<br>[ys]      | Evolutionary cycle<br>of life |
|---|---------------------------|---------------------|---------------------|-------------------------------|
| 9 | Sloan Great Attractor     | $3585 \times 10^6$  | $3585 \times 10^6$  | Phylum                        |
| 8 | Great Attractor           | $295.2 \times 10^6$ | $295.2 \times 10^6$ | Class                         |
| 7 | Virgo Cluster of Galaxies | $24.30 \times 10^6$ | $24.30 \times 10^6$ | Order                         |
| 6 | Andromeda Group of Galax. | $2.002 \times 10^6$ | $2.002 \times 10^6$ | Family                        |
| 5 | Large Magellan Cloud      | 164878              | 164878              | Genus                         |
| 4 | Omega Centauri Cluster    | 13578.3             | 13578.3             | Species                       |
| 3 | Orion Complex             | 1118.22             | 1118.22             | Civilization                  |
| 2 | Ursa Major Moving Group   | 92.0896             | 92.0896             | <i>Our individual life</i>    |
| 1 | Solar System              | 7.58390             | 7.58390             | Cycles in our life            |
| 0 | Proto-Sun                 | 0.62456             | 0.62456             | Sub-cycles in our life        |

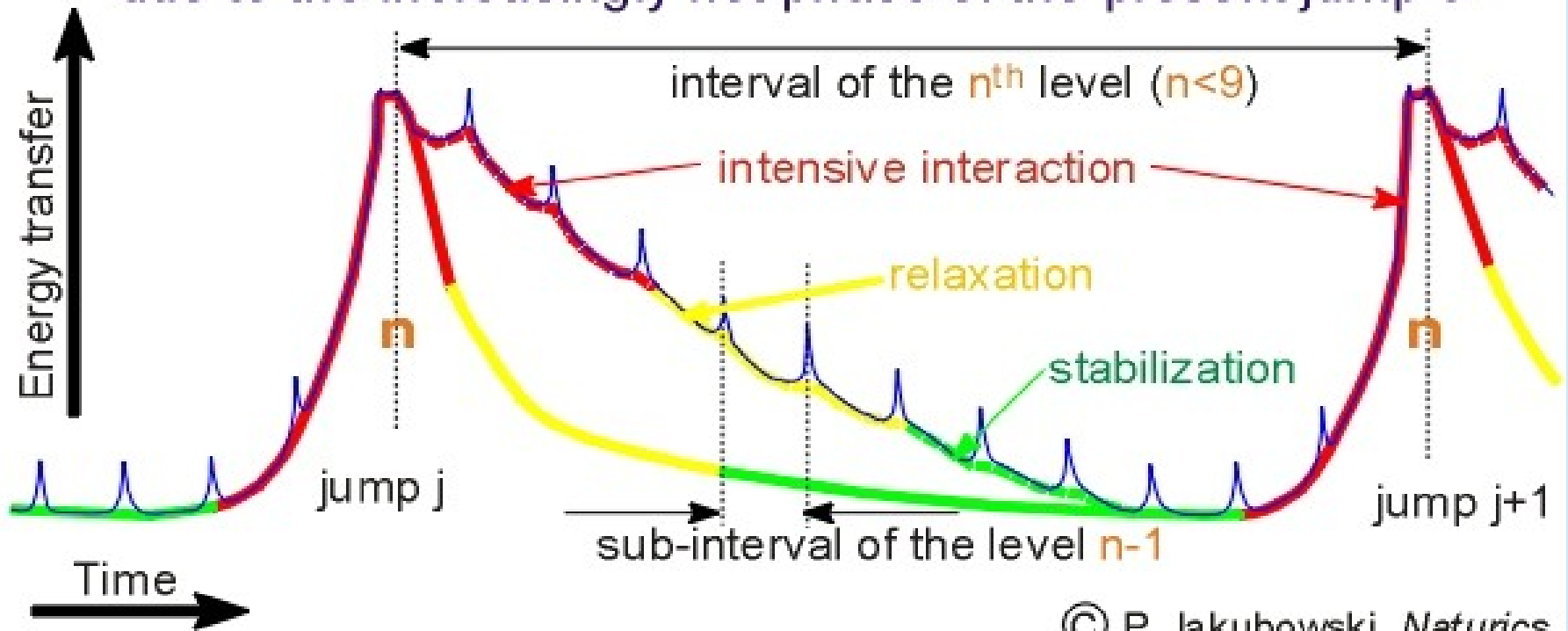
The single scaling factor is 12.1428

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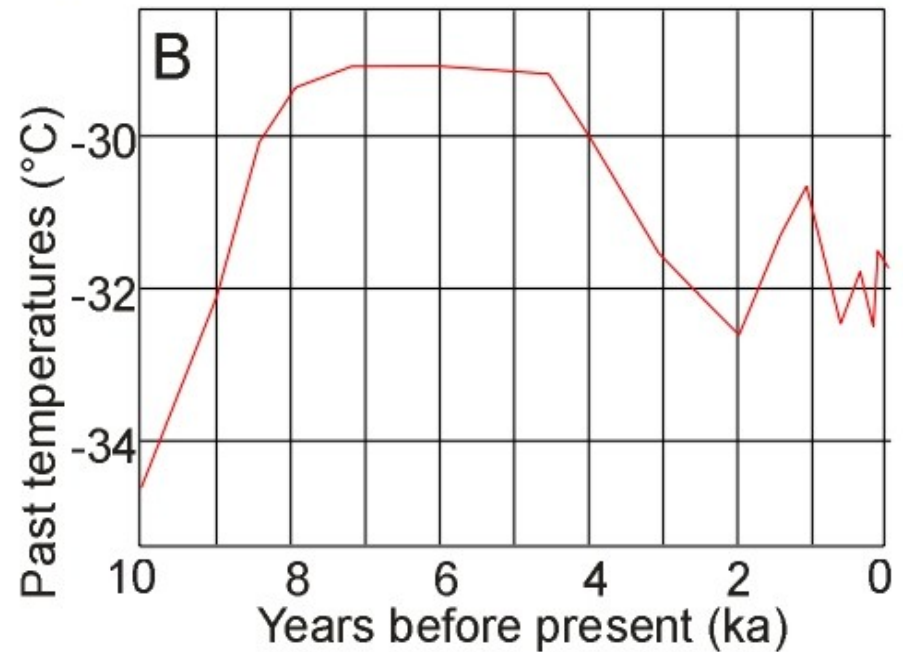
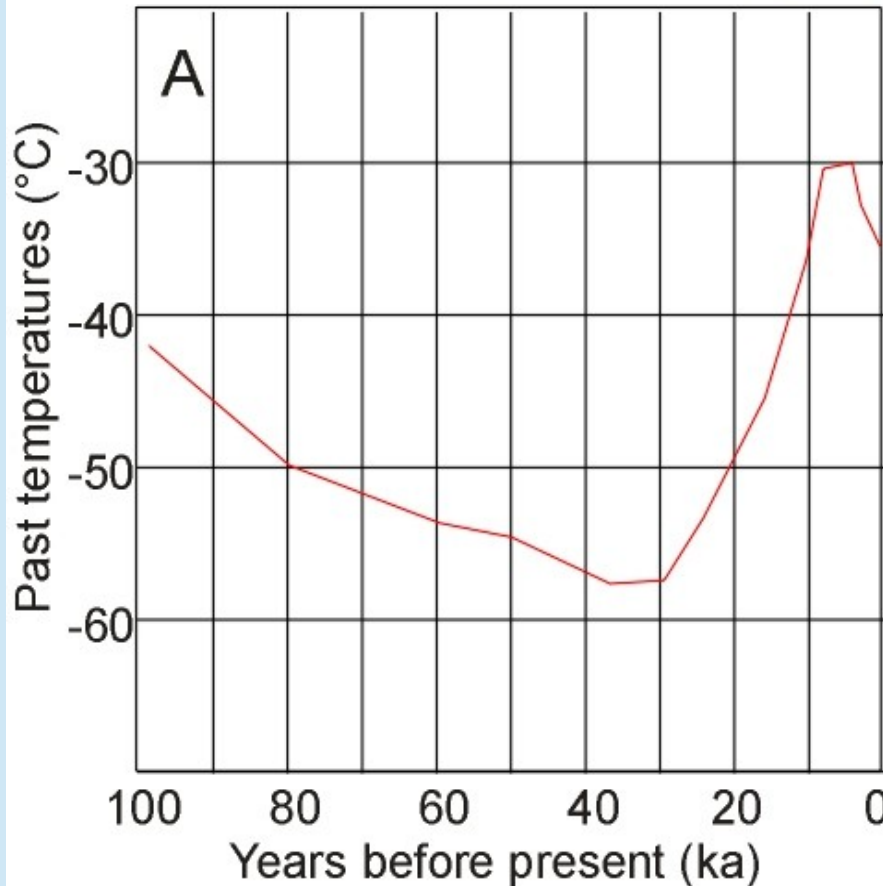
# The Unified Physics is the New Paradigm

Cosmic quantum sub-jumps of the lower levels modified due to the increasingly hot phase of the present jump 9



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Observation of the previous energetic jumps of the level 5 of the Cosmic Hierarchy

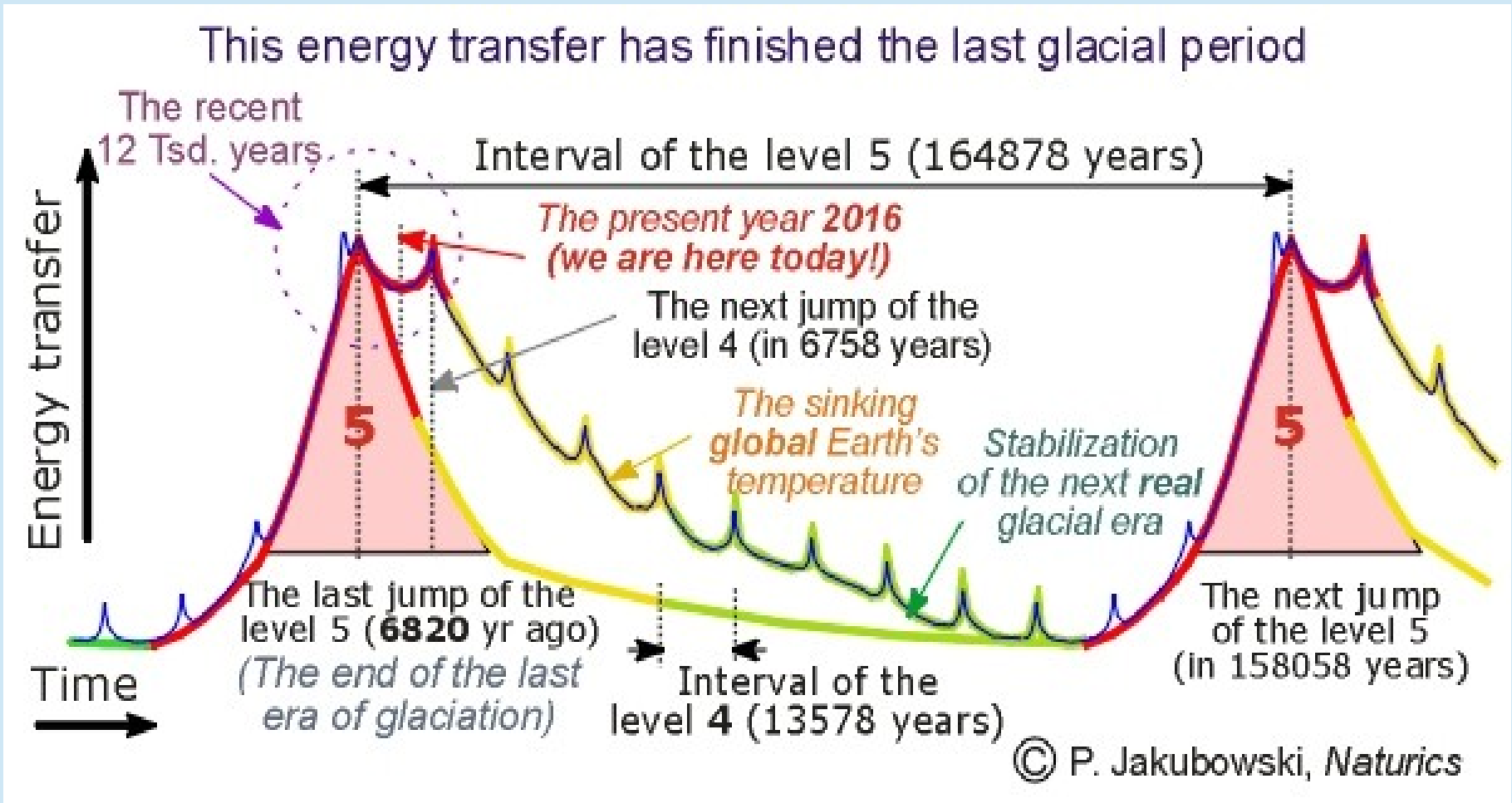


## Past Temperatures Directly from the Greenland Ice Sheet

D. Dahl-Jensen,\* K. Mosegaard, N. Gundestrup, G. D. Clow, S. J. Johnsen, A. W. Hansen, N. Balling  
9 OCTOBER 1998 VOL 282 SCIENCE  
www.sciencemag.org pp. 268-271

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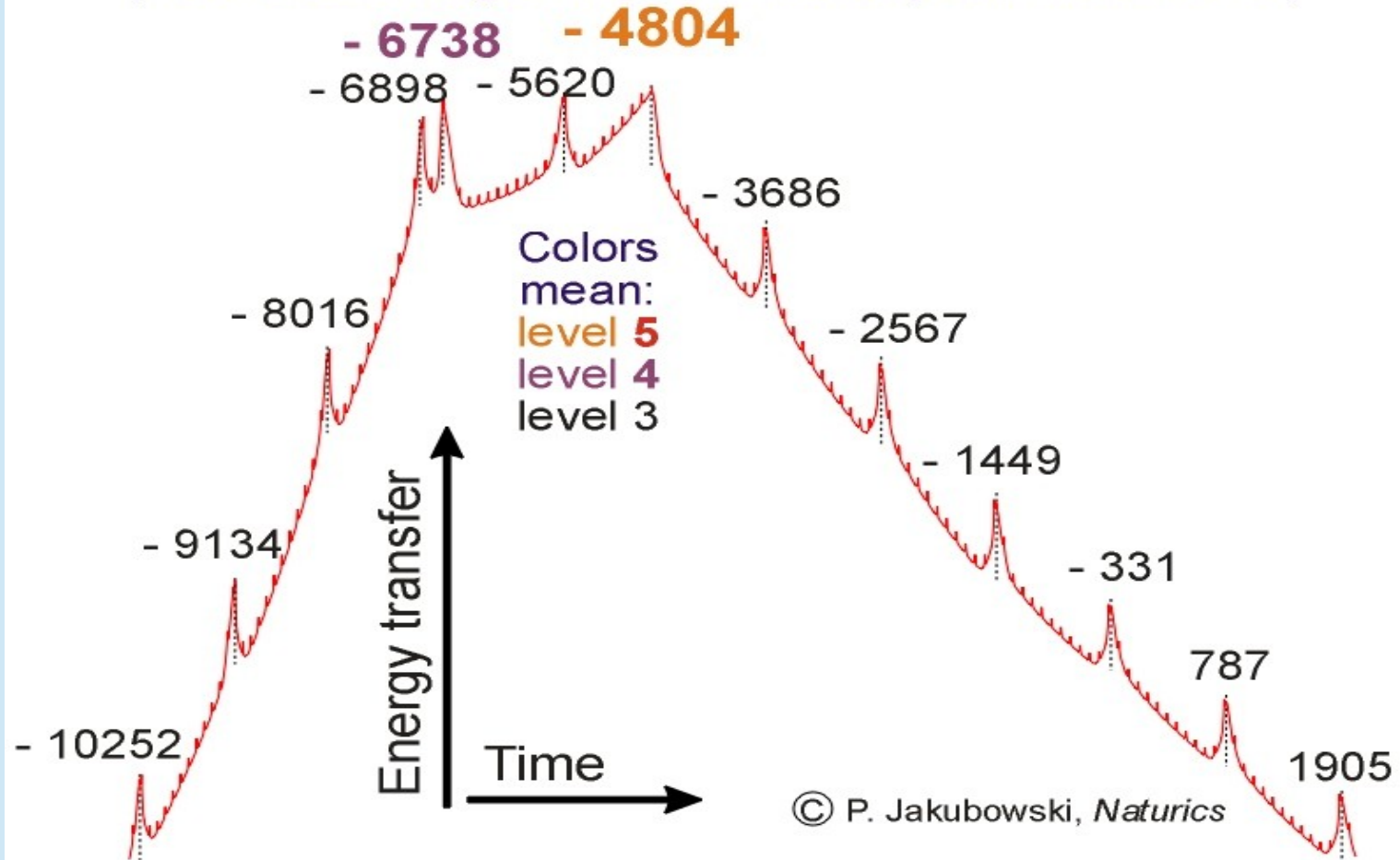
The most important quantum jump of level 5 in human history





# The Unified Physics is the New Paradigm

The global energy transfer to the Earth during the recent cosmic quantum jump of the level **5** (4804 years BCE.),  
(modified according to the observations by Dahl-Jensen et al.)



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Let us consider our human history once more,  
our evolution from the very beginning,  
when the present cycle of level 9  
of our Cosmic Hierarchy began,  
3507 million years ago.

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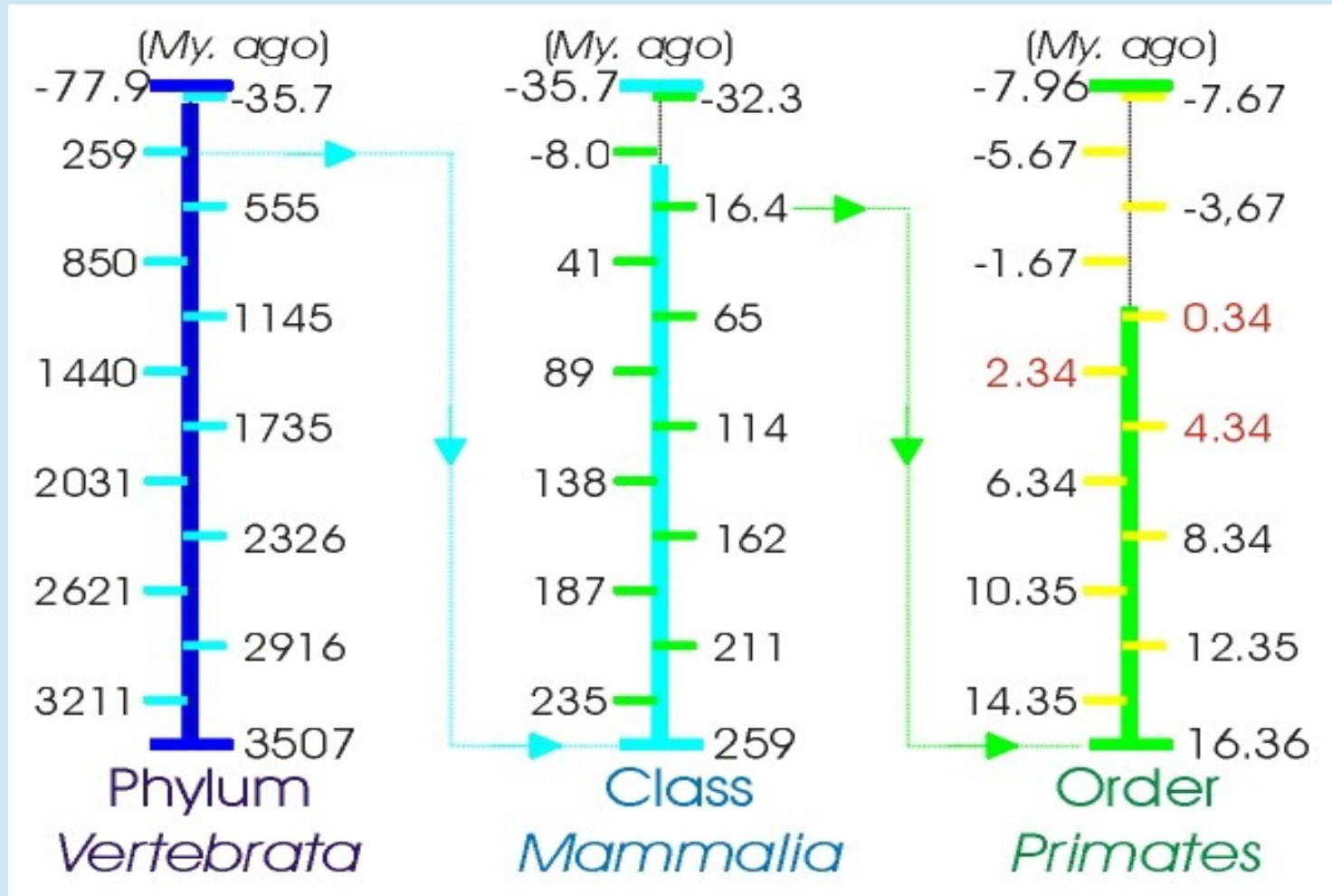
## Theoretical levels of the Cosmic Hierarchy of our Solar System

| L | Naturics order<br>(2015)  | Radius<br>[ULy]     | Period<br>[ys]      | Evolutionary cycle<br>of life |
|---|---------------------------|---------------------|---------------------|-------------------------------|
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| 8 | Great Attractor           | $295.2 \times 10^6$ | $295.2 \times 10^6$ | Class                         |
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| 3 | Orion Complex             | 1118.22             | 1118.22             | Civilization                  |
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The single scaling factor is 12.1428

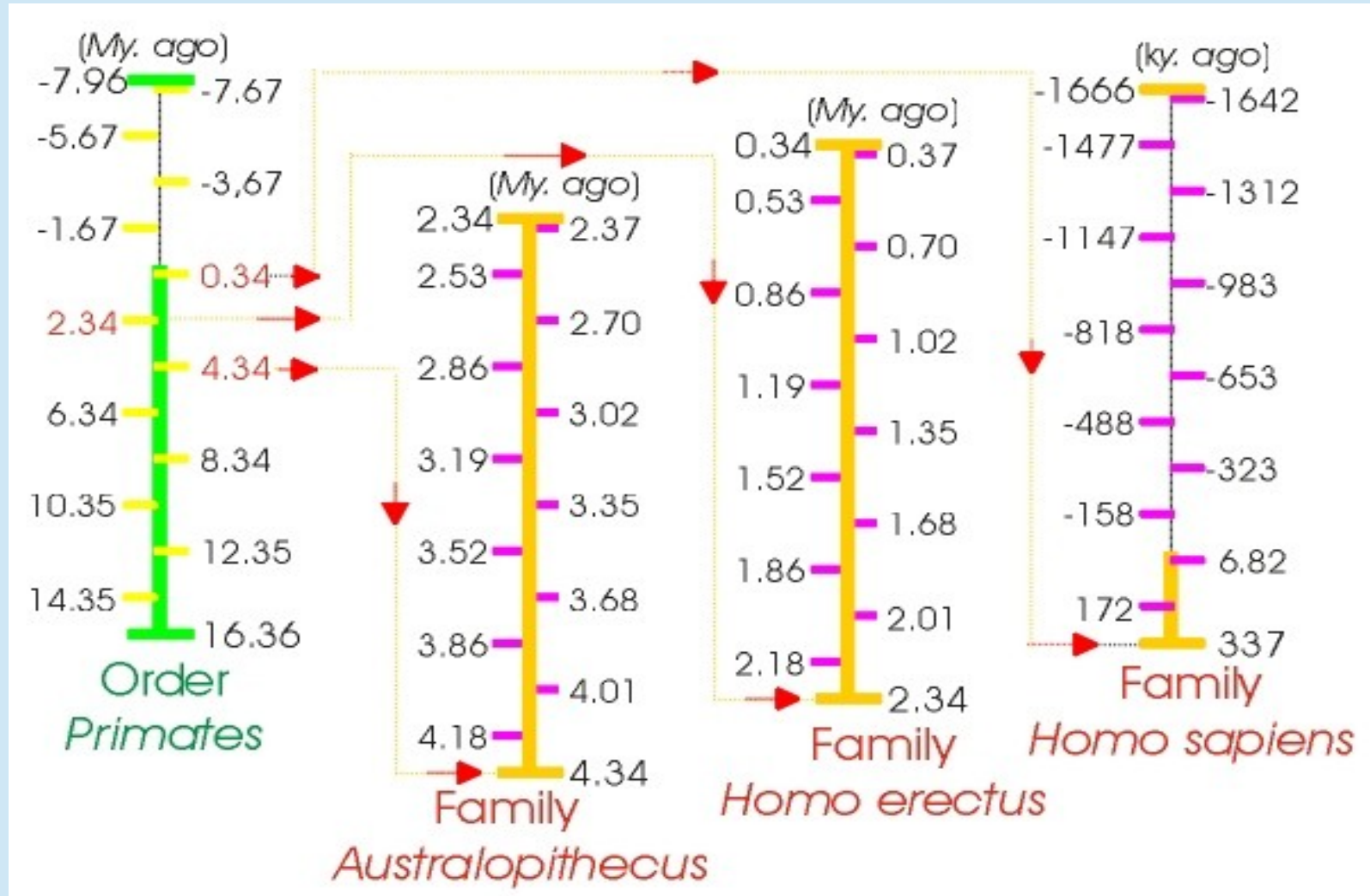
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Our Order *Primates* emerges from Phylum *Vertebrata*



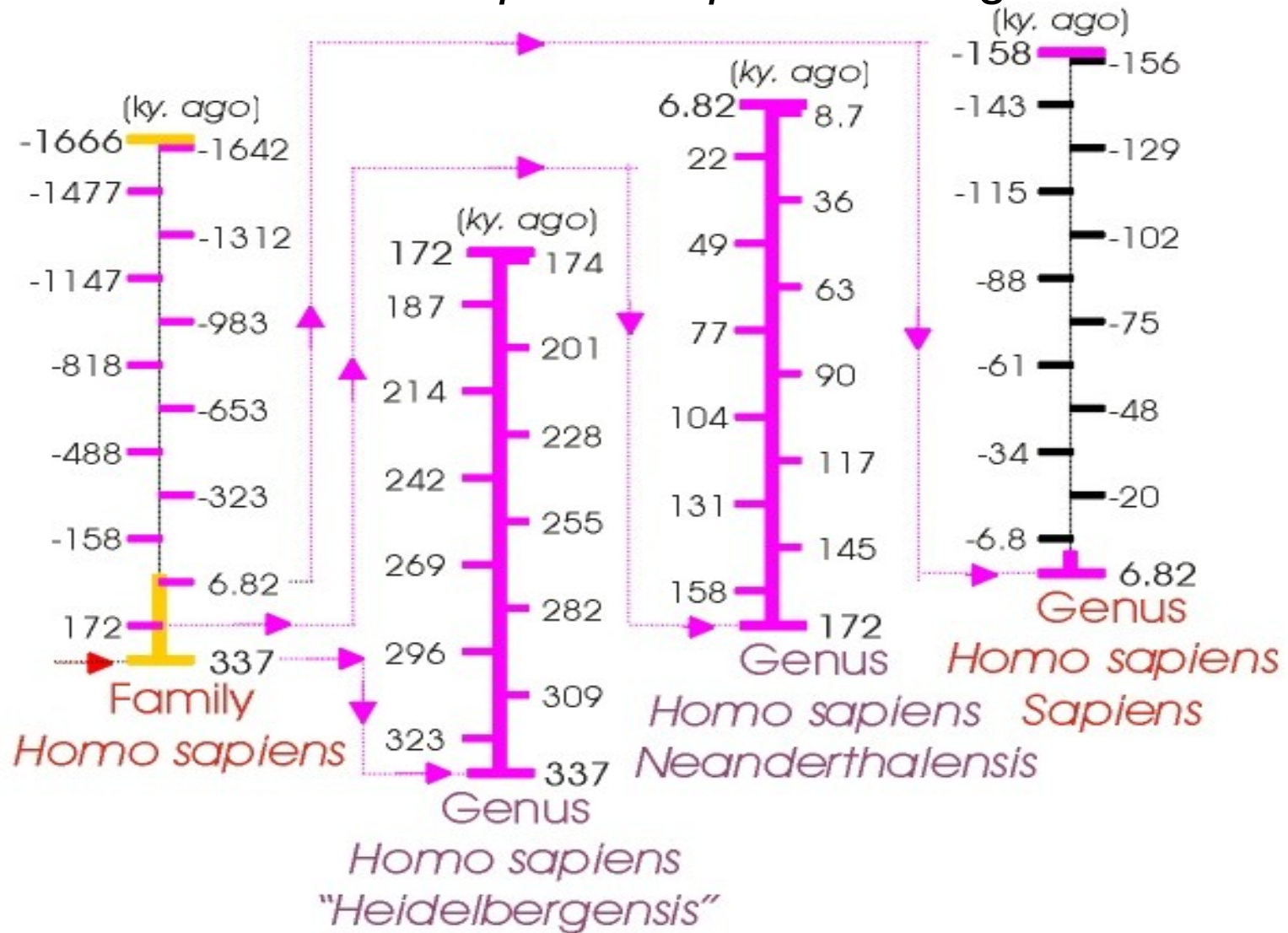
# The Unified Physics is the New Paradigm

Our Family *Homo sapiens* emerges from Order *Primates*



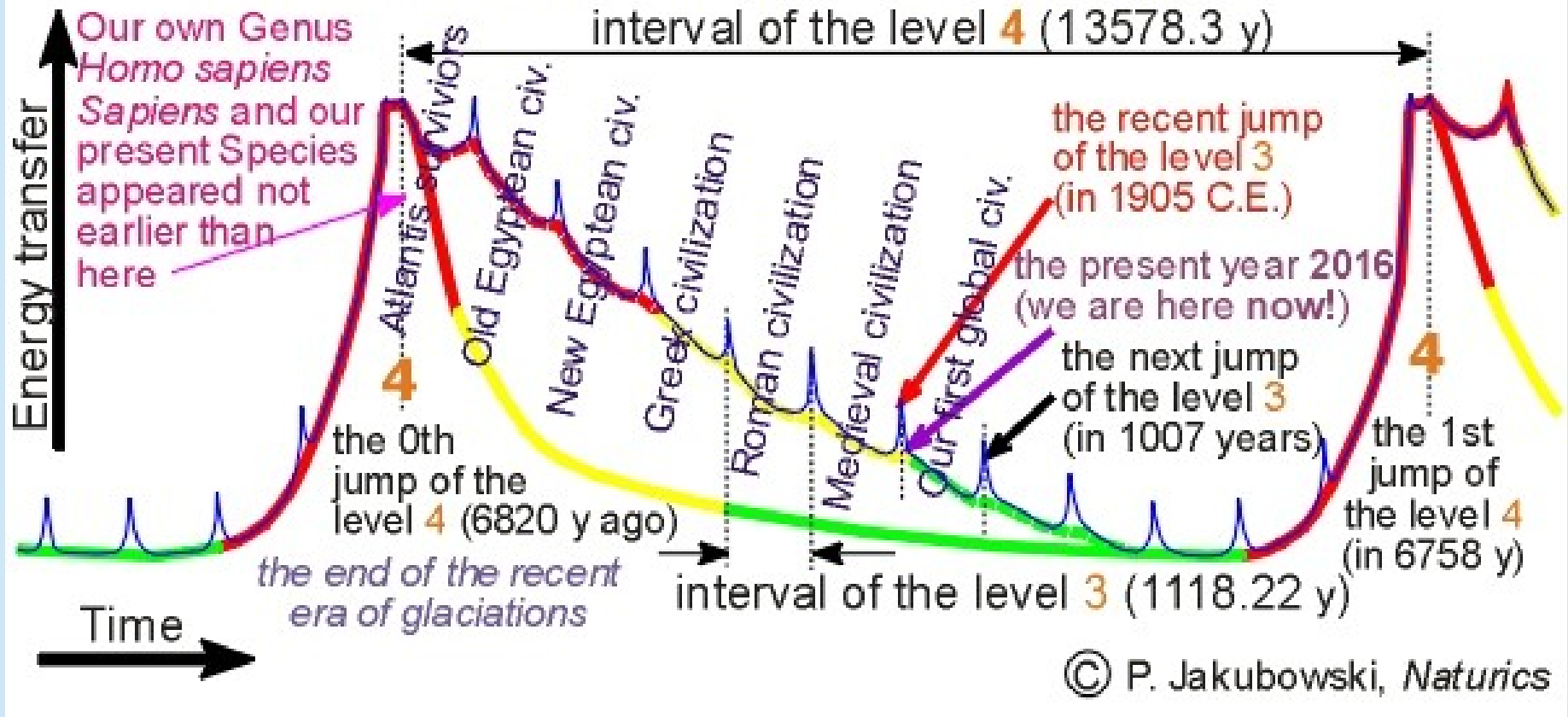
# The Unified Physics is the New Paradigm

Our Genus *Homo sapiens Sapiens* emerges on Earth



# The Unified Physics is the New Paradigm

## Our first global civilization and its six predecessors (On the example of the previous Mediterranean civilizations)



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## We answer our main question

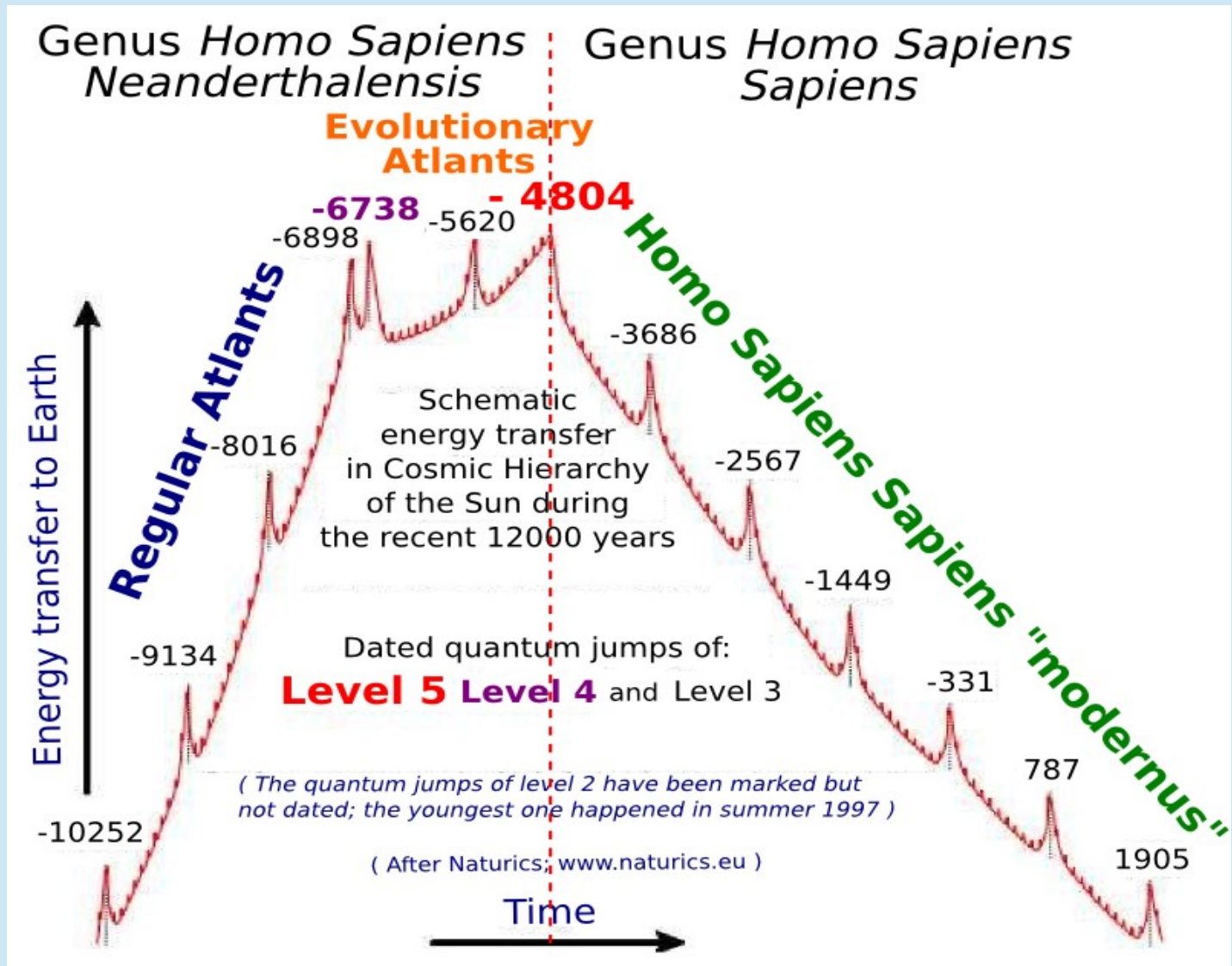
Our single Species of our very young Genus still lives influenced by the **enormous collective trauma** after the recent events of level 5 (which culminated 6820 years ago).

Our present first global civilization has reached that moment of our history, when **our global consciousness becomes able to understand** our true connection to the previous Species and Genera of human beings.

**It is why humanity is waking up exactly today.**



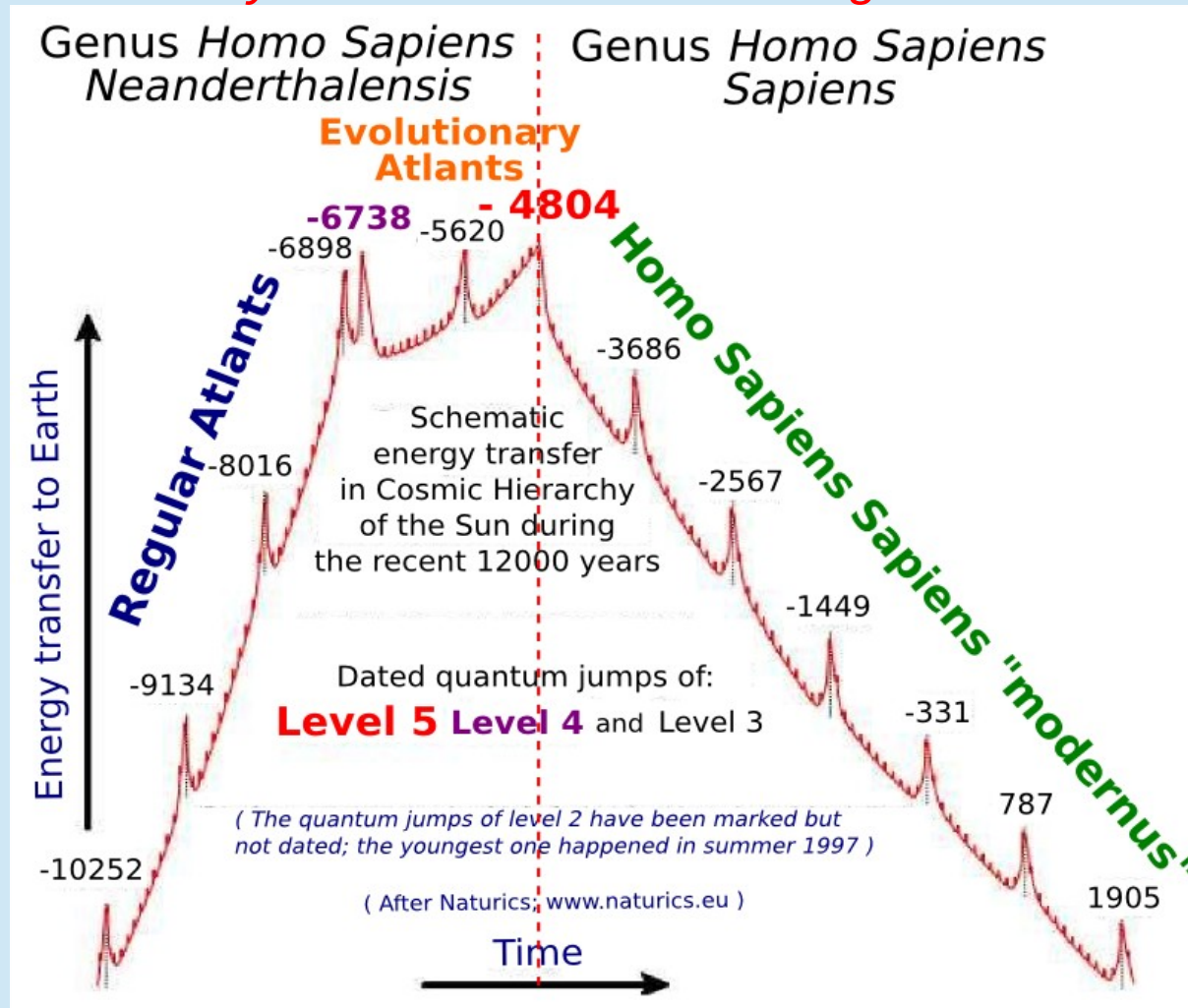
# The Unified Physics is the New Paradigm



# Consequences of the unification in physics

Our next questions could be: *1. Who were the last Neanderthals?*

*2. Why have we never been taught that?*



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Thank you!



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