EVIDENCE FOR THE OCCURRENCE OF LENR TYPE PROCESSES IN ALCHEMICAL TRANSMUTATIONS

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Alchemy consists in the process of elaboration of the Philosopher’s Stone.

The Philosopher’s Stone is a substance of unknown composition alleged to transmute base metals (lead, tin, ...) into gold or silver.

A number of reports that describe alchemical transmutations can be found in alchemical literature from XVI to XVIII centuries.
Objective

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Rational / Scientific examination of alchemical transmutations

APPROACH

1.- Identification of patterns in large sets of processes that contain sufficient quantitative information (weight of involved substances, time, ....)

2.- Self-consistency: similarity of the patterns with analogous alchemical phenomena.
Transmutation Procedure

Metal: Hg, Pb, Sn, Cu

Metal (weight = $W_i$) + Philosopher’s Stone ($W_{ps}$)

Metal: Au or Ag

$W_f$

Transmuting Power: $W_f/W_{ps}$
Catalytic Approach

Relationship between Transmuting Power and Time

The activity of the Philosopher’s Stone follows a pattern similar to that of conventional catalysts.

\[ Y = 4.264 - 1.141X \]

\[ R = 0.97 \]
Weight variations are observed in Transmutations

Slope for atom-to-atom transmutation

Coupling of fusion / fission processes?