Physics and Beyond with József Zimányi

memories 1978 - 2006

T.S. Biró[1, 2]

[1]NKFIH NAPLIFE national research program

HUN REN | Wigner Research Centre for Physics, Budapest

[2]Complex Science Hub, Vienna, Austria

Budapest, Hungary, Zimányi School 2025 DEC. 1-5.

Neural networks

My first connection to Jozsó

- Hung.Nat.Student Competition (OTDK 1978)
- 1-dim layers, 2 neuron types
- inhibitory larger distance $\rightarrow$ better contrast
- optical illusion of two light sources (R40)

Hadro- and Quarkochemistry

Jozsó as my PhD thesis advisor

- Heavy Ion Physics and classical hydrodynamics
- Zimányi Montvay Bondorf
- Thermodynamics with Béla Lukács
- Feynman graph for strange quark production

Light $\rightarrow$ Strange Quark not enough time (Biro-Zimanyi)

GG makes the bulk of it (Rafelski-Muller-Koch)

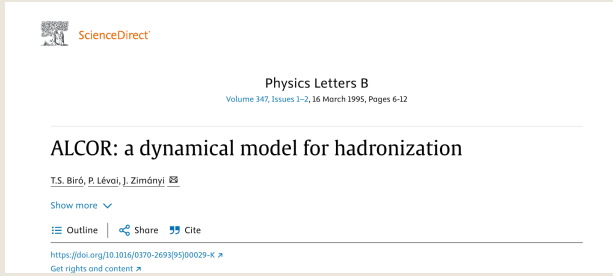
From postdoc to Foundation

NBI, GSI, JLU, Duke, Wigner RCP

- the curved lineal in Copenhagen
- mean field hadrochemistry
- Zimanyi Moskowski model
- Zimanyi Medal

1994 - 2006

- Chaotic Yang-Mills in Budapest, classical LGT
- My TU-Wien connection
- ALCOR (Zimányi, Lévai, Csörgő, Biró)
- MTA, OTKA, PBK


ScienceDirect

Physics Letters B

Volume 347, Issues 1–2, 16 March 1995, Pages 6-12

ALCOR: a dynamical model for hadronization

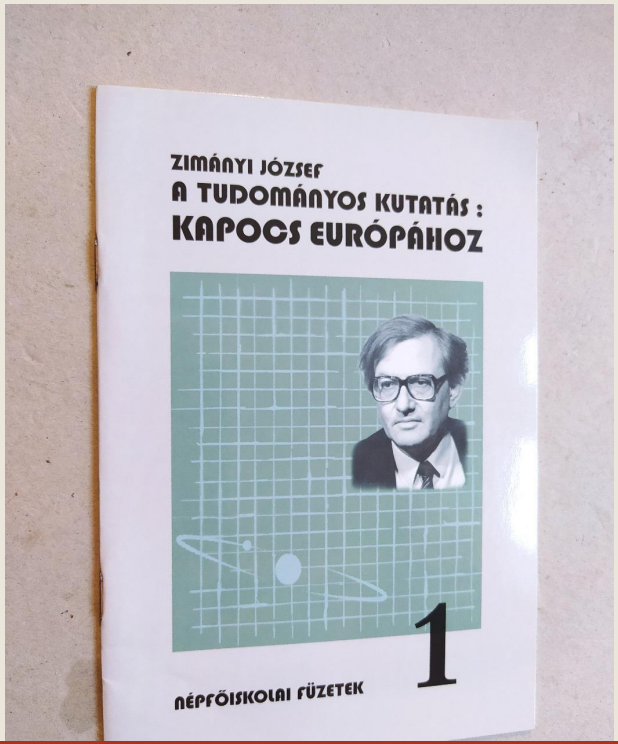
T.S. Biró, P. Lévai, J. Zimányi

Show more

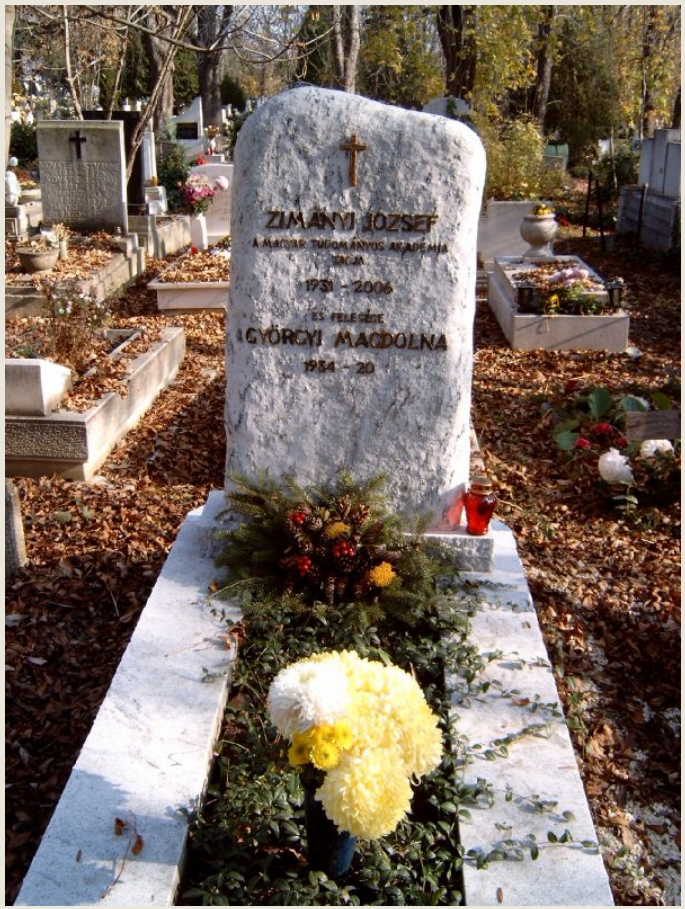
Outline | Share | Cite

https://doi.org/10.1016/0370-2693(95)00029-K

Get rights and content



Late Years of Him

Societal Activity

- OTKA (Hungarian National Scientific Research Agency)
- Ipolyi Arnold Prize for Jozsó
- His Academy Membership
- Professors' Batthyány Circle
- My last phone call with him in hospital, funeral