



Boldog születésnapot Judit!

Celebration for the 80th birthday of
Professor Judit Németh
L. Eötvös University, Oct. 11, 2012

Első publikációm

- 1968

Nuclear Physics A116 (1968) 241-

A SIMPLE THOMAS-FERMI CALCULATION FOR SEMI-INFINITE NUCLEI

JUDIT NEMETH[†] and H. A. BETHE
*Laboratory of Nuclear Studies, Cornell University,
Ithaca, New York*^{††}

Received 26 April 1968

Acta Physica Academiae Scientiarum Hungaricae, Tomus 38 (2), pp. 89–108 (1975)

- 1973
- 1975

THOMAS-FERMI NUCLEI IN NEUTRON STAR MATTER

By

L. P. CSERNAI*, D. KISDI

RESEARCH GROUP FOR QUANTUM THEORY, DEPARTMENT FOR PHYSICS
UNIVERSITY FOR TECHNICAL SCIENCES, BUDAPEST

and

J. NÉMETH

DEPARTMENT FOR PHYSICS, ROLAND EÖTVÖS UNIVERSITY, BUDAPEST

(Received 20. XI. 1973)

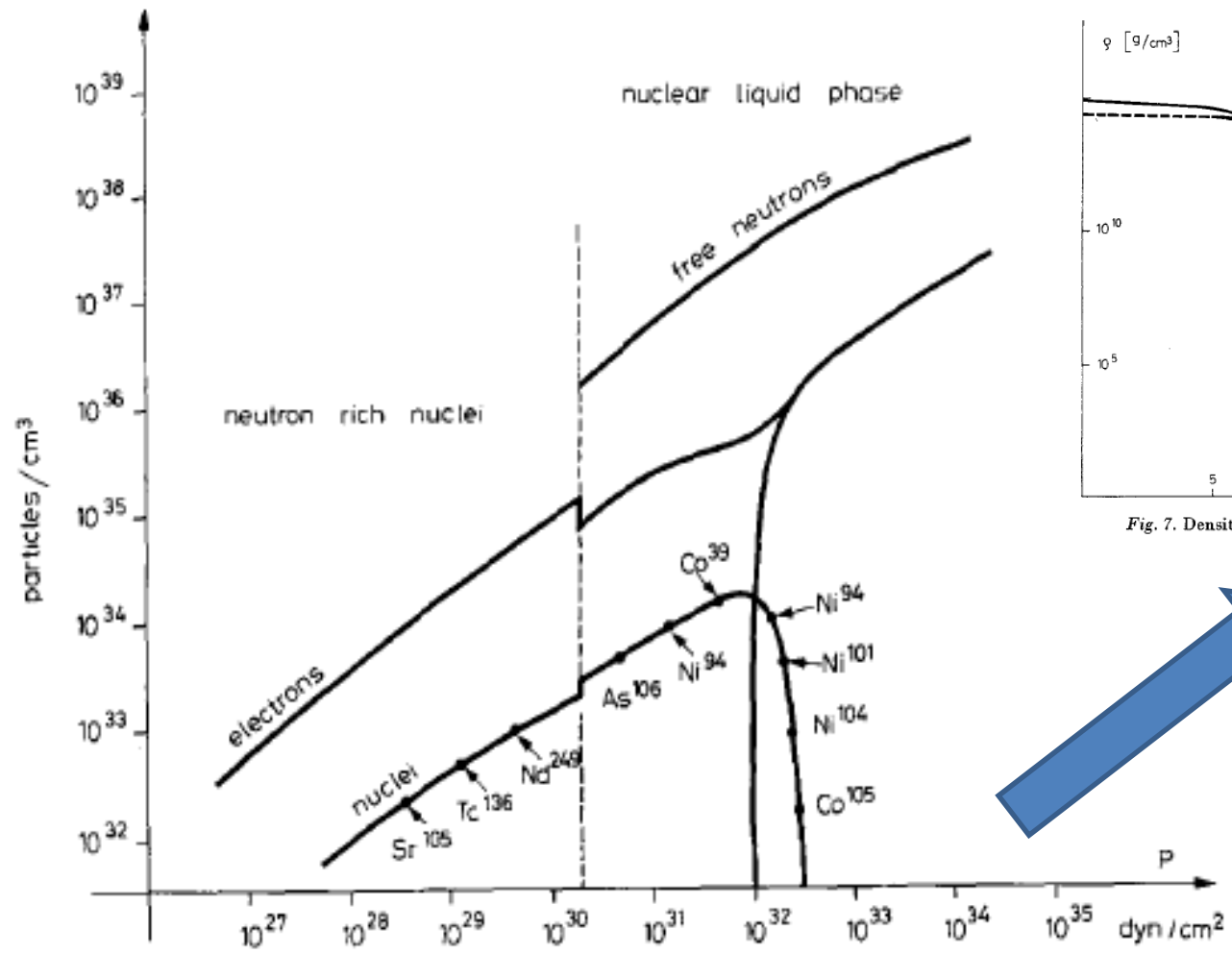


Fig. 2. Composition of the star matter as a function of the total pressure P . The dotted vertical line represents the critical pressure $P = 2.073 \times 10^{30} \text{ dyn/cm}^2$

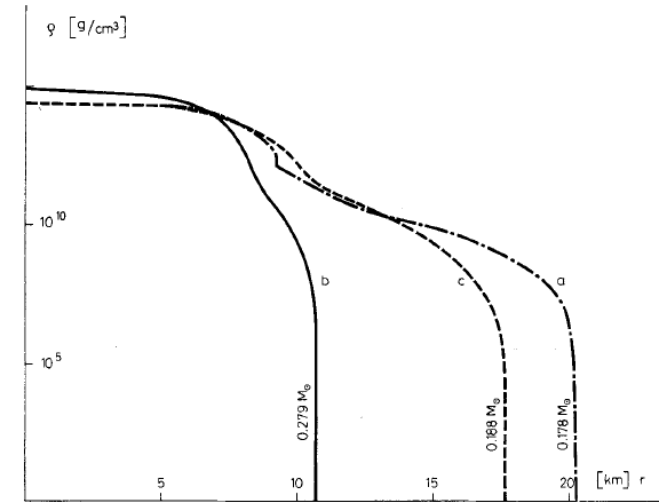
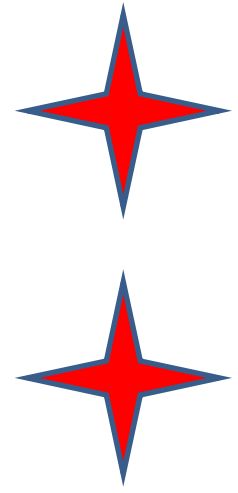
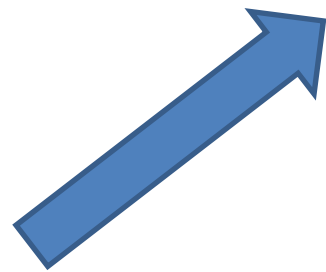


Fig. 7. Density distribution of the star. The labels (a), (b) and (c) have the same meaning as in Fig. 4





IV. BALATON CONFERENCE
ON NUCLEAR PHYSICS

PROCEEDINGS
OF THE EPS TOPICAL CONFERENCE
ON
LARGE AMPLITUDE
COLLECTIVE NUCLEAR MOTIONS

EDITED BY: Á. Kiss
J. Németh
J. Zimányi

KESZTHELY·HUNGARY
10-16. JUNE 1979

Semiclassical dynamics <i>N.L. Balazs</i>	172
Dynamics of nuclear fission and heavy-ion reactions <i>J.R. Nix, A.J. Sierk</i>	282
On resonances in heavy-ion reactions as orbiting-cluster phenomena <i>N. Cindro, D. Počanič</i>	526
Pre-equilibrium emission of nucleons in heavy ion collisions <i>J.P. Bondorf, J.N. De, A.O.T. Karvinen, G. Fáai, B. Jakobsson, J. Randrup</i>	510
Angular momentum and the collective modes excited in deep-inelastic processes and in fission <i>L.G. Moretto</i>	686
Resonances above the coulomb barrier in light heavy ion systems <i>P. Paul</i>	716
H. Stöcker: Shock-Waves and a Possibility to Discover Isomers in Relativistic HI Collisions.	
L. Csernai: Viscous Relativistic Hydrodynamical Calculations for Heavy-Ion Collisions in One-dimension.	
Initial correlations and transport theory of dissipative heavy-ion collisions <i>W. Nörenberg, C. Riedel</i>	704
Evidence for the occurrence of shock phenomena in relativistic heavy ion collisions <i>H. Stöcker, J. Hofmann, G. Buchwald, J.A. Maruhn, W. Greiner</i>	761
W. Greiner: Shock-Waves in Relativistic Heavy Ion Collisions.	
S. Koonin: Coulomb Distortion of π -spectra in Relativistic HI Collisions.	
Viscous relativistic hydrodynamical calculations for heavy-ion collisions in one-dimension <i>L.P. Csernai, H.W. Barz, B. Lukács, J. Zimányi</i>	533

Wigner Memorial Volume

Editor in Chief

István Lovas (*Debrecen*)

Associate Editors

Nikola Cindro (*Zagreb*)

László P. Csernai (*Bergen*)

Honorary Editors

I. Kovács (*Budapest*)

N. Kürti (*Oxford*)

I. Tarján (*Budapest*)

V. Telegdi (*Zürich*)

E. Teller (*Stanford*)

E. Wigner (*Princeton*)

Instabilities in Nuclear Multifragmentation

L.P. Csernai,^{1a,2} J. Németh³ and G. Papp^{3a,4}

¹ Section for Theoretical Physics, Department of Physics, University of Bergen
Allégaten 55, N-5007 Bergen, Norway

² Theoretical Physics Institute, University of Minnesota, Minneapolis
Minnesota 55455, USA

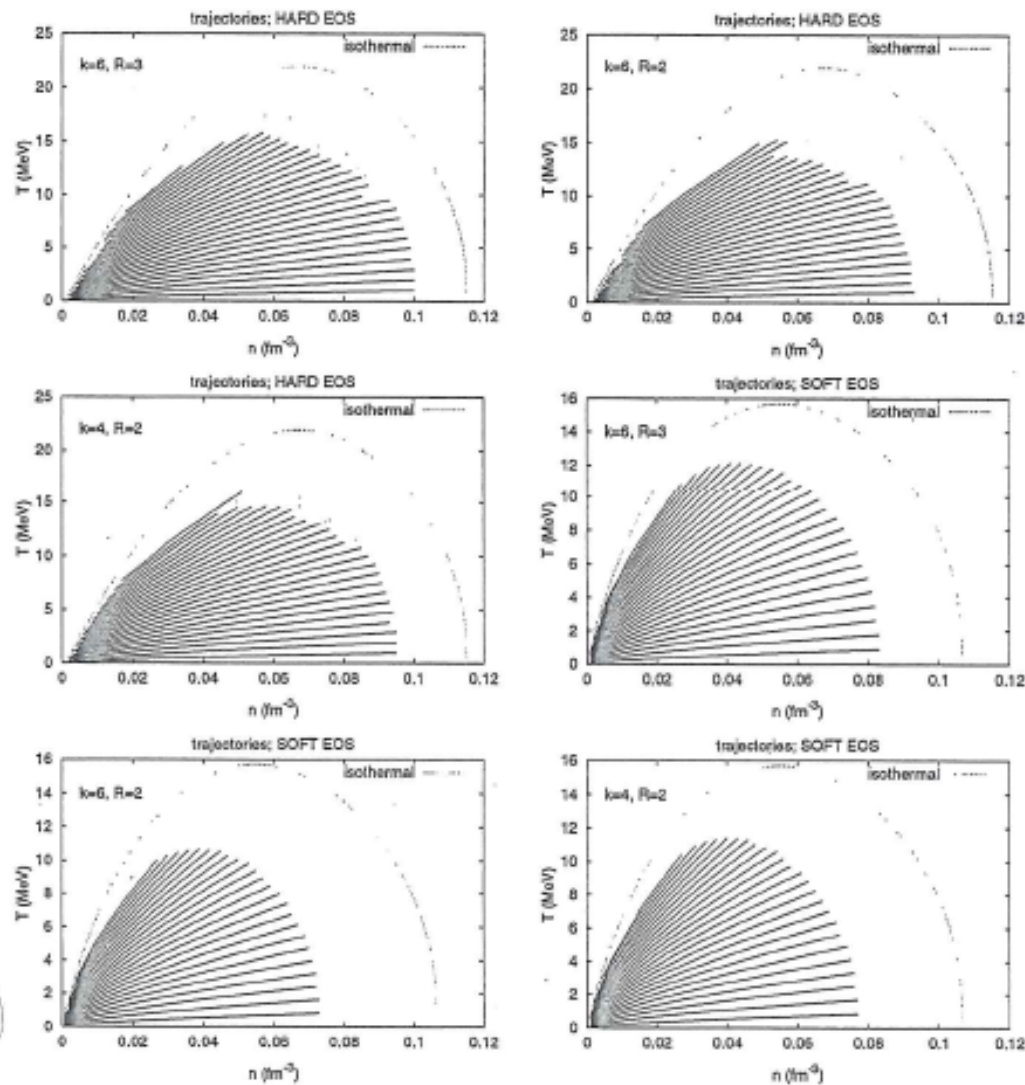


Fig. 4. The trajectories of an adiabatic post-freeze-out expansion starting at the same, $n_f = 0.1 \text{ fm}^{-3}$ freeze-out density. The different lines originate from different freeze-out temperatures. The solid lines correspond to the case where the energy difference with the kinetic term is negative, the dotted line is the case where the energy difference without the kinetic term is negative. The latter ones define the wider region.

Üdvözetek:

- Sa, Ben-Hao, CIAE, Phys. Lett. (1991)
 - From: Ben-Hao Sa sabenhao@gmail.com
To: "Csernai, L UiB" csernai@ift.uib.no
Dear Laszlo,
Please transfer my deep celebration to him and
hope very much that longlive Judit !!!
Ben-Hao
- Jan S. Vaagen, U. of Bergen
- Eivind Osnes, U. of Oslo
- Horst Stöcker, GSI, Darmstadt