INTERNATIONAL SCHOOL OF SUBNUCLEAR PHYSICS

XVIII Course: THE HIGH ENERGY LIMIT

ERICE-TRAPANI-SICILY: 31 JULY-11 AUGUST 1980

Sponsored by the: e Italian Ministry of Public Education e Italian Ministry of Scientific and Technological Research e Sicilian Regional Government e Weizmann Institute of Science

PROGRAMME AND LECTURERS

OPENING LECTURE

«Is the next Energy Step at Planck Energies?» S. ADLER, Institute of Advanced Study, Princeton, NJ, USA

THEORETICAL LECTURES

«Non-Local Gauge Theories» O.S. ADLER, Institute of Advanced Study, Princeton, NJ, USA

"How far we are in Unifying the Fundamental Interactions @ F. BUCCELLA, University of Rome, Rome, Italy

«Has the Planck Mass Anything to do with Particle Physics?» V. DE ALFARO, University of Turin, Turin, Italy

"Flectroweak Physics of the 80sm O L L SAKURAL LICLA Los Angeles, CA, USA

ation Laws and Linearization of Gauge Fields

O L.L. WANG, Brookhaven National Lab, Upton, NY, USA eSU(5) without SU(5) O H.J. LIPKIN, FERMILAB, Batavia, IL, USA

SEMINARS ON SPECIALIZED TOPICS

«Neutrino Oscillations, - Theoretical»

O R. BARBIERI, CERN, Geneva, Switzerland

"The HPW Experiment to Search for Proton Decay and Neutrino Oscilla-

D. CLINE, University of Wisconsin, Madison, WI, USA

k Masses from the Vector Meson Sp

O E. ETIM, Universität Siegen, Siegen, FRG

«Why most Flavor Dependence Predictions for Non Leptonic Charm

O H.J. LIPKIN, FERMILAB, Batavia, IL, USA

«Prospects for Polarized Electrons at High Energies» © C.Y. PRESCOTT, SLAC, Stanford, CA, USA

Early Weak Gauge Boso D. SCHILDKNECHT, University of Bielefeld, Bielefeld, FRG

L.L. WANG, Brookhaven National Lab, Upton, NY, USA «Evidence for a Close Link between (pp) and (eb) Physics» O A. ZICHICHI, CERN. Geneva, Swi

REVIEW LECTURES

«Madron Interactions S.J. LINDENBAUM, BNL, Upton, NY, and City College, NY, NY, USA

Exotic Multiquark States with Charms O H.J. LIPKIN, FERMILAB, Batavia, IL, USA

«Theoretical Implications on Isabelle Physics»

o F. MULLER, CERN, Geneva, Switzerland

«Deep Inclastic Phenomena»

@ C.Y. PRESCOTT, SLAC, Stanford, CA, USA

"The Heavy Lenton

S.C.C. TING, MIT, Cambridge, MA, USA and DESY, Hamburg, FRG Neutrino Physics

O J. STEINBERGER, CERN, Geneva, Switzerland

@ u(etc) Physican

In the HICA.

C.W. PECK, CALTECH, Pasadena, CA, USA - in the USA: C.W. PECK, CALTECH, Pasadena, UA, USA
- at NOVOSIBIRSK: V. SIDOROV, Siberian Div. of the USSR Academy
of Science, Novosiblisk, USSR
- at ORSAY: J. PEREZ-Y-JORDA, LAL, Orsay, France

- at PETRA

P. DUINKER, DESY, Hamburg, FRG

HIGHLIGHTS IN OTHER FIELDS

«Advances in Computers»

O L. DADDA, Polytechnical Institute, Milan, Italy

«Language, Thought and Brains J.C. ECCLES, Contra, Locarno, Switzerland

CLOSING LECTURE

«What have we learned?»

e E.P. WIGNER, Princeton University, Princeton, NJ, USA

PURPOSE OF THE SCHOOL

In apple of the spectrollar results obtained in recent times, Submodear Physics is far from reaching the asymptotic limit of a field without a fauture. This is realized by the large manner of problems which open up a rear to a least comparable with this of new results manner of problems in the problems of the prob

SPECIAL SCHOLARSHIPS

The following special Scholarships have been established in honour of, and named

PATRICK M.S. BLACKETT JAMES CHADWICK AMOS DE-SHALLT GUNNAR KÄLLEN NNAR KÄLLEN ANDRE LAGARRIGUE GIULIO RAC These Scholarships cover registration fees and full board and lodging in Erice.

POETIC TOUCH

According to Algenth, Erice, son of Venus, founded a small town on top of a monitum (39) metres above test levels) more than three thousand years again C.D., Venus (1-4) to 10 to 1

GENERAL INFORMATION

Persons wishing to attend the Course should write to the Secretary of the School:

Miss MARIA ZAINI International School of Subnuclear Physics CH - 1211 Genève 23 - Switzerland

They should specify:

i) date and place of birth together with their present nationality;
 ii) degree and other academic qualifications;
 iii) list of publications;

iv) present position and place of work-

and include:

v) a letter of recommendation from their research group leader or from a professor of

The subscription fee is 1,000 Swiss francs. Thanks to the generosity of the sponsoring intions, partial support can be given to some deserving students who need financial Institutions, partial support can be given to some deserving stude help. This must be specified and justified in the application letter.

PLEASE NOTE that the special Scholarships as well as any other form of financial support will be awarded in consultation with the Board of Lecturers at the end of the Course, in order to allow a more direct judgement of all the applicants.

Closing date for application: July 20, 1980 No special application form is required

A letter will be sent to successful applicants by July 25. Students experiencing difficul-ties with travel documentation and needing to know before July 25, whether or not their applications have been accepted, may obtain an earlier special decision by submitting an jus-tified request. Students must be in Erice on July 31 not fater than 5 p.m. Please note that the Calendar Holidays and the School Holidays are totally uncorrelated. More detailed information will be sent to successful applicants together with the letter of acceptance.

A. ZICHICHI - DIRECTOR

Information about the Schools and the activities of the CENTRE can be found in the official Journal of the CENTRE: