

Prehistoric Anecdotes

- How US-J Project brought about? -

Kunitaka Kondo

(U. of Tsukuba, Waseda Univ.)

Two great leaders:

Drs. W.K.H. Panofsky & T. Nishikawa

An International Collaboration before 1979

Yale-Tokyo collaboration @BNL&SLAC

Experimental subjects for the collaboration

US-J Accord



Signing Ceremony for US-Japan Collaboration in High Energy Physics: Nov. 1978, SLAC

Dr. Panofsky and Japan

Dr. Albert Mosse: Pief's grandfather, Preussen lawyer.
1887 (Meiji 20) Prime Minister: Hirobumi Itoh set up
“Law Examination Committee”. It consisted of 3
Japanese politicians & 3 foreign lawyers including Dr.
Mosse. They worked on the draft of Meiji
Constitution and for amendment of Unequal Treaties.

Dr. W.K.H.Panofsky:

1977 Centennial celebration of the Phys.Soc.Japan.
Dr. Panofsky and Dr. Menon(India) were invited
to give special talks.

Dr. Mosse's family in front of the Huge Statue of Buddha at Kamakura.

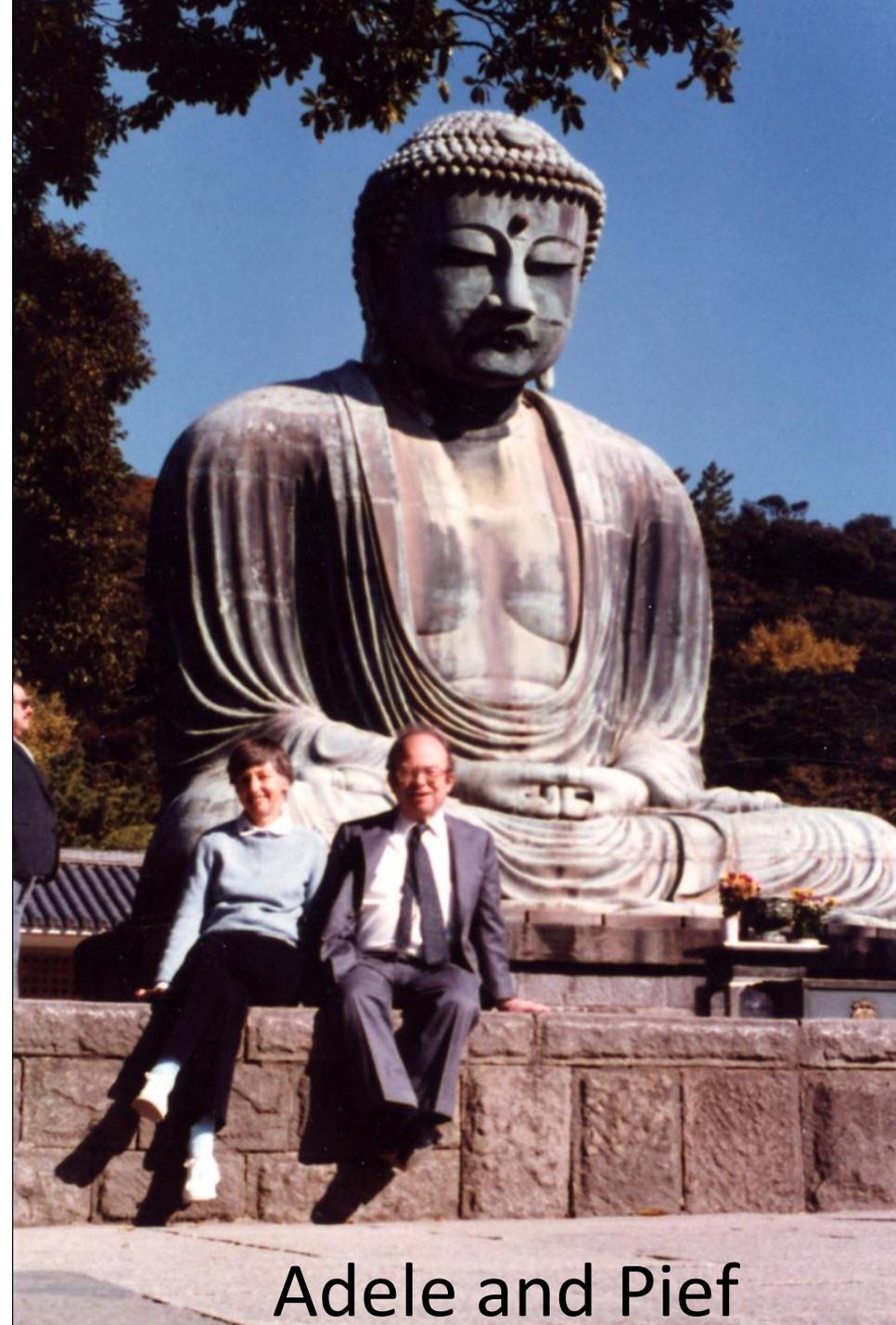
From left:
Pief's grandmother,
mother as a child, and
other family members
with maids.

By the courtesy of
Adele (Mrs. Panofsky)
and Dr. G.Loew .





Dr. Panofsky
and Mr. Chairman



Adele and Pief

Dr. Nishikawa and U.S.

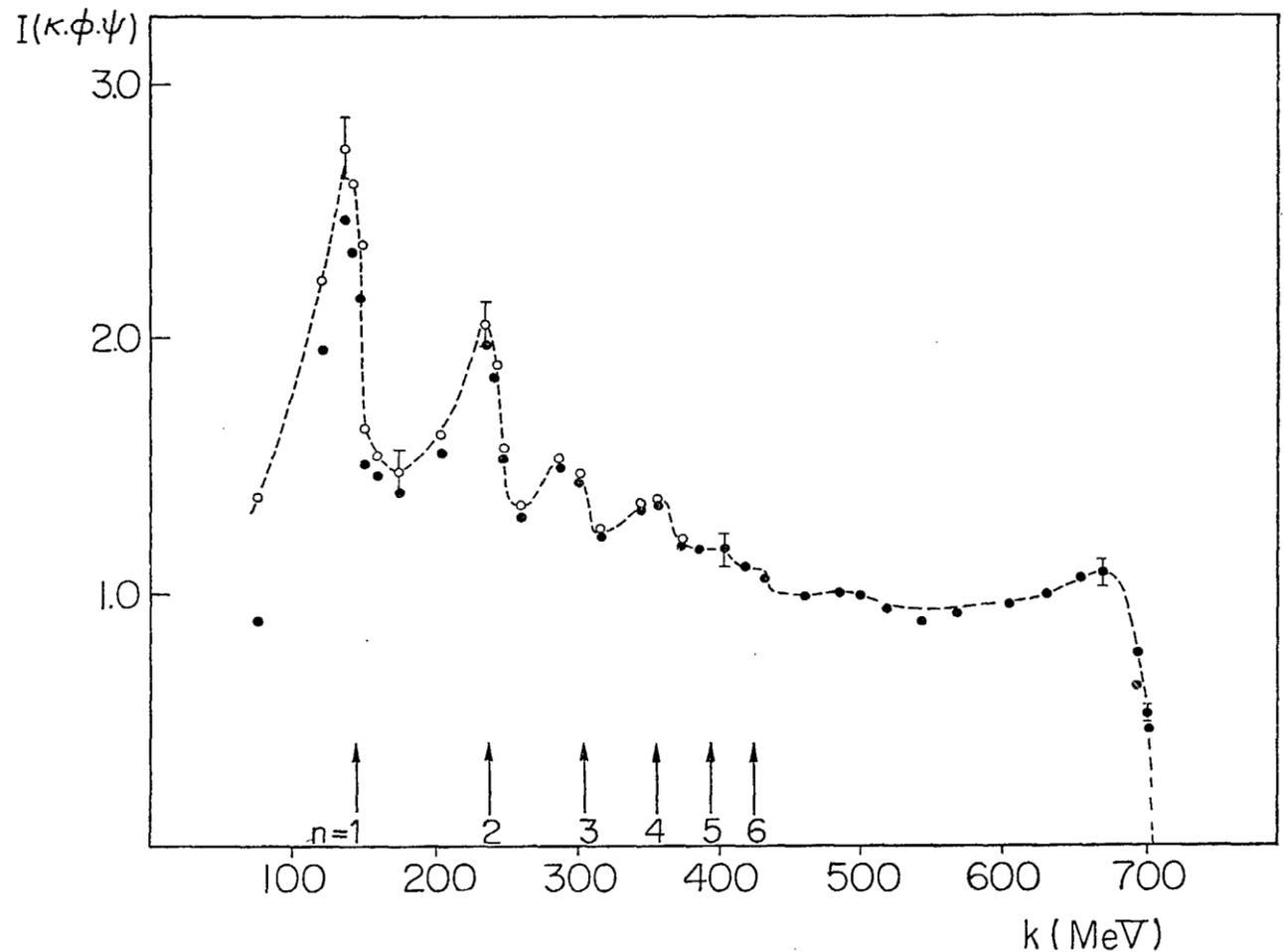
Shoji Nishikawa(1884-1954): Tetuji N.'s father
Professor of Physics at U. of Tokyo & Chief
Resercher of RIKEN, X-ray crystallography, X-ray
diffraction of cellose, Spinel structure of crystals,
application of the group theory to crystal
structure analysis:

1917~: Invited 3months at Stanford U., for 18
months at Cornell U.

Dr. Tetsuji Nishikawa:

1965~67: Accelerator Division of BNL.

“Coherent
Bremsstrahlung
from Si Single
Crystal”: S.Kato,
et al,
J.Phys.Soc.Jpn
20(1965),303



W.K.H.Panofsky: “Experimental Techniques”
(8 GeV spectrometer and monochromatic photons)
International Symposium on Electron and Photon
Interactions at High Energies, DESY, June 8-12, 1965.

An International collaboration before 1979

1973~1980: First collaboration in HEP experiments officially funded (JSPS) from Japan. INS(U. of Tokyo) and Yale U.

1. Scattering of K and Pbar by polarized proton @BNL

Yale; V.Hughes*, M.Zeller,..., Japan; M.Mishina, I.Nakano

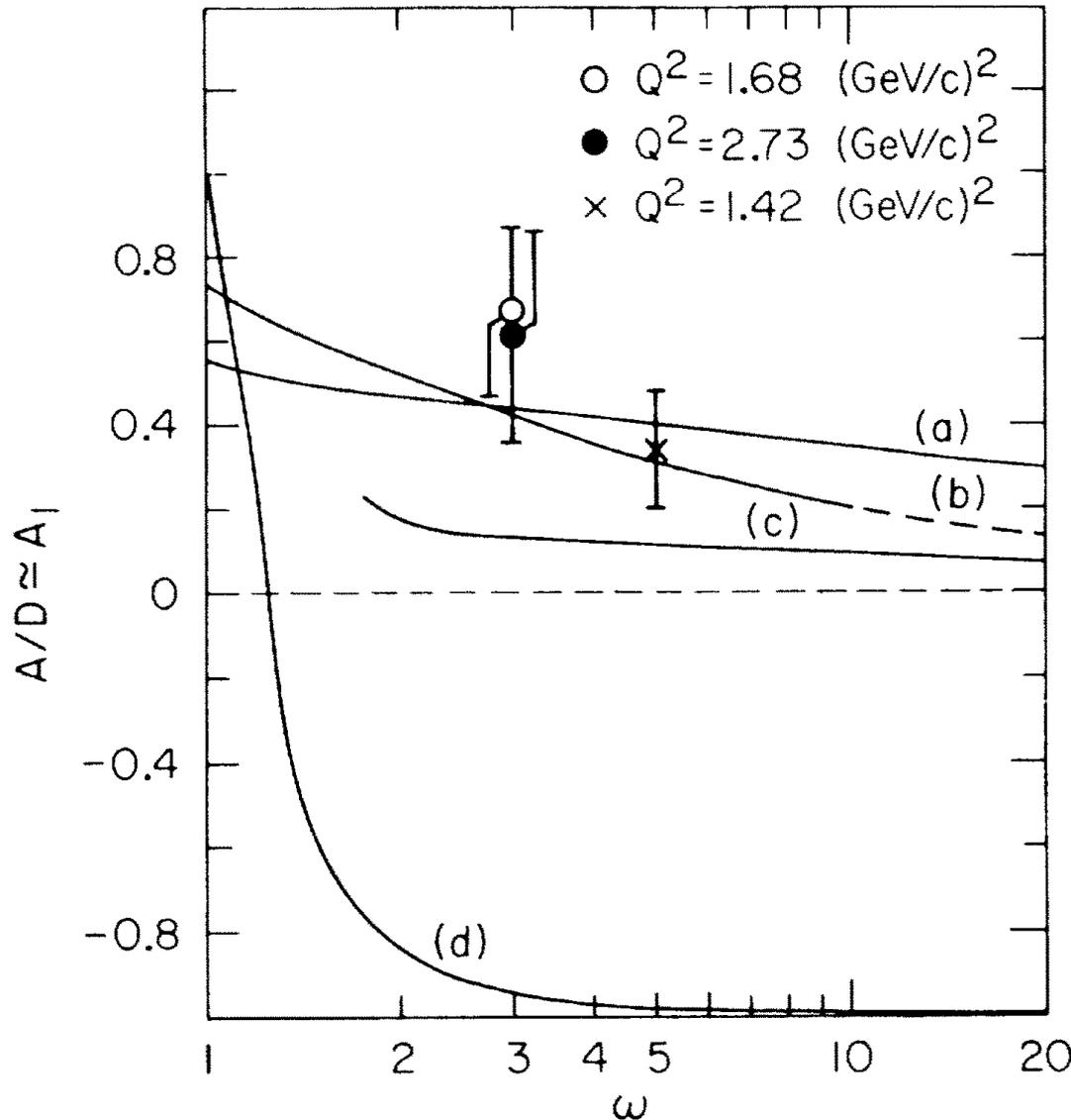
2. Scattering of polarized electron by polarized proton

E80, E130 @SLAC

US: Yale; V.Hughes..., SLAC; D.Coward...,

Germany: Bielefeld; W.Raith,..., Japan: K.Kondo, N.Sasao.

* g-2 experiment as a USJ project: J contribution; S.Kurokawa, A.Yamamoto,... on the muon ring.



Phys.Rev.Lett.37,1261
(1976)

M.J.Alguard *et al*

“Deep Inelastic
Scattering of Polarized
Electrons by Polarized
Protons”:

(a) J.Kuti & V.F.Weisskopf

(b) F.Close

(c) G.Domokos *et al*

(d) S.D.Drell & T.D.Lee

First Round Experiments

Why PbarP collider:

1977. ISABELLE Workshop @ BNL.

K.K. met with Dr. A. Tollestrup, and visited FNAL on his way back.

1978 . “International Conference on High Energy Physics” at Tokyo: Dr. L. Lederman encouraged K.K. to work on PPbar collider experiment at Fermilab. W. Wallenmyer was very supportive.

T. Nishikawa made close communications with US lab. directors about subjects for the collaboration.

A list of subjects was and people to work on them were determined before Signing Ceremony of 1979.

3rd Fukuda-Carter @Washington D.C.

- May 3rd, 1978 T.Fukuda & J.Carter
- Collaboration in Energy Researches;
 1. Coal gasification, 2. Plasma fusion,
 3. Photosynthesis, 4. Nuclear energy,
 5. High energy physics (Japan initiative).

