

“Thank You!”
Tribute to Collaborators and Institutions

S. T. Petcov
INFN/SISSA, Trieste, Italy,
Kavli IPMU, University of Tokyo, Tokyo, Japan

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Thank You!

Silvia Pascoli, Arsenii Titov, Joao Penedo and Alex Azatov

Paolo Creminelli and ICTP

TPP Sector of SISSA

All Speakers

All Participants

I was lucky...

Had highest quality lectures in theoretical physics and mathematics at Moscow State University.

Had the best PhD adviser and Mentor one can possibly have - Samoil Mihelevich Bilenky - at LTP, JINR, Dubna.

Thanks to Bilenky was priveledged to know, learn from and collaborate with Bruno Pontecorvo.



After JINR, Dubna, I joined (in 1977) the scientifically very strong Theoretical Physics Sector at INRNE, BAS, in Sofia, whose
Head was Prof. Ivan Todorov and members included V. Petkova, V. Dobrev, E. Hristova, D. Stamenov, L. Hadjiivanov, V. Rizov, E. Nisimov, D. Stoyanov, Ch. Palev and others, some of whom became good friends.
There was healthy working and scientifically very stimulating atmosphere in the Sector, working as a member of the Sector was a pleasure.



The regular visits to the CERN's Theory Division from 1979 on, where I had the privilege to learn from and collaborate with L. Maiani, A. De Rujula, D.R.T. Jones, J. Ellis, F. Zwirner and others were extremely important for my scientific development.

Very important role played also the HEP School in Erice and the Les Houches (6 weeks!) Summer School in Theoretical Physics which I attended in 1980 and 1981.



Extremely important were also the support and encouragement I received from Lincoln Wolfenstein in the early period of my research activity (1981 - 1983) when we were working independently on the same problems (pseudo-Dirac ν s, the Zee Model, the CP properties of Majorana ν s (particles),...).

Later the discussions and the collaboration with him were highly valuable for me.



Finally, I was very lucky to join (in 1990), upon an invitation of Daniele Amati the HEP Sector at SISSA, where I found excellent working conditions and friendly atmosphere, was happy/lucky to have as esteemed senior colleagues in the Sector Daniele Amati, Lorian Bonora, Roberto Iengo, Antonio Masiero, among others. With time I discovered the real SISSA “treasure” - the impressively able/exceptionally good Ph.D. students.

All in all, in my scientific research I was lucky to have the privilege to collaborate with and learn from (in arbitrary order):

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J. Hosek, A. Masiero, E. Lisi, F. Simkovic, A. Faessler,
J.N. Bahcall, D. Sciama, P. Ramond, P. Binetruy, E. Takasugi,
G. Raffelt, G. Steigman, P. Langacker, P. Rosen, A. Halprin,
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K. Nakamura, L. Merlo, C. Giunti, B. Kayser, W. Grimus, C.W. Kim,
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M. Chizhov, S. Choubey, S. Goswami, S. Palomarez, S. Pastor,
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J. Lopez-Pavon, S. Agarwalla, N.D. Barrie, J. Klaric,
A. Stuart, M.-C. Chen, P. Bolton, S. Lavignac, D. Nicolo, B. Machet, N.P. Nedelcheva,
S. Toshev;

Ph.D. Students:

S. Pascoli, M. Piai, S. Profumo, C. Yaguna,
P. Krastev, M. Maris, M. Guzzo, M. Moretti,
D.N. Dinh, A. Meroni, E. Molinaro,
I. Girardi, A.V. Titov, J. Penedo, P.P. Novichkov,
A. Granelli, M. Freund, A. Abada, Q.Y. Liu.

**I am grateful to all my senior and junior colleagues
for the very enjoyable and successful collaborations!**

Beyond physics and family: hiking, fishing, ...



At La Civetta



Trying to outsmart the trout...



Future Research Plans

- Modular Invariance Approach to (Lepton, Quark) Flavour Problem in Particle Physics:
 - Describing correctly the quark sector without fine tuning;
 - Unified description of both the quark and lepton sectors without fine tuning;
 - ...
- Experimental tests of low-scale leptogenesis
- Neutrino tomography of the Earth interior
- Problems in Neutrino Physics
- ...

Thank you All very much indeed!