

Biographical sketch of Chang Kee Jung

Professional Preparation:

Seoul National University	Dept. of Physics	B.S., 1979
Indiana University, Bloomington	Dept. of Physics	Ph.D., 1986
Stanford Linear Accelerator Center	Postdoctoral Res. Assoc.	1986-1990

Appointments:

Stony Brook University	Professor of Physics	2000 -
Stony Brook University	Assoc. Professor of Physics	1996 - 2000
Stony Brook University	Assis. Professor of Physics	1990 - 1996

Publications related to the proposed project:

1. S.H. Ahn *et al.*, "Evidence for muon neutrino oscillation in an accelerator-based experiment," *Phys. Rev. Lett.* Accepted for publication.
2. M. Shiozawa and B. Viren *et al.*, "Search for proton decay via $p \rightarrow e^+\pi^0$ in a large water Cherenkov detector," *Phys. Rev. Lett.* **81** 3319 (1998).
3. Y. Fukuda *et al.*, "Evidence for oscillation of atmospheric neutrinos," *Phys. Rev. Lett.* **81** 1562 (1998).
4. C. K. Jung, "Feasibility of a next generation underground water Cherenkov detector: UNO," *Next generation nucleon decay and neutrino detector (NNN99) workshop, Stony Brook, NY, 1999, proceedings* 29-34, [HEP-EX 0005046].
5. C. K. Jung, T. Kajita, T. Mann and C. McGrew, "Oscillations of atmospheric neutrinos," *Ann. Rev. Nucl. Part. Sci.* **51** 451-488 (2001).

Five other publications:

1. S. Abachi *et al.*, "Search for squarks and gluinos in $\bar{p}p$ collisions at $\sqrt{s} = 1.8\text{TeV}$," *Phys. Rev. Lett.* **75**, 618 (1995).
2. C. K. Jung, "Proposed explanation of tau lepton decay puzzle: discrepancy between the measured and the theoretical tau lifetimes," *Phys. Rev.* **D47** 3994 (1993).
3. C. K. Jung, R. Van Kooten *et al.*, "Search for long-lived massive neutrinos in Z decays" *Phys. Rev. Lett.* **64** 1091 (1990).
4. P. Baringer, C. Jung, H. O. Ogren and D. R. Rust, "A drift chamber constructed of aluminized Mylar tubes," *Nucl. Instr. Meth.* **A254** 542 (1987).
5. C. Jung, "Measurement of the F^+ meson lifetime," *Phys. Rev. Lett.* **56** 1775 (1986).

Synergistic Activities:

Development and implementation of new physics courses:

- "Light, Color and Vision" for non-science majors, 1992
- "Physics of Sport" and corresponding lab course for non-science majors, 2003
- "Electromagnetism, Waves and Radiation for Sports Science" and corresponding lab course for Athletic Training Program majors, 2004
- "Physics Today" a seminar course for sophomore physics majors, 2004

Member, Advisory Committee, EOP/AIM program for underprivileged students, 2001 - present
Numerous public presentations to general public through Astronomy Open Night and Worlds of Physics series, to industry partners and to government officials

Advising high school students for science talent competitions and serving as a judge

Collaborators:

The Super-Kamiokande Collaborators
The K2K Collaborators
The T2K Collaborators
The UNO Collaborators
The HUSEP Collaborators

Advisors:

Graduate advisor: H. O. Ogren, Indiana University, Bloomington, Indiana.
Postdoctoral mentor(s): Jonathan Dorfan, SLAC, Stanford University.

Thesis Students and Postdoctoral Scholars:**Graduate students:**

Marc Paterno, PhD 1994, now at Fermilab
Hailin Li, PhD 1996, now at Morning Star Investment Co.
Brett Viren, PhD 2000, now at BNL
Eric Sharkey, PhD 2002, now at Netrics software Co.
Christopher Mauger, PhD 2002, now at CalTech
Matthew Malek, PhD 2003, now at Fermilab
Brenda Daniels, MS 1993, now at Stony Brook University, Biology
Thorsten Wengler, MS 1995, now at CERN
Florian Goebel, MS 1997, now at DESY-Hamburg
Marcus Ackermann, MS 2001, now at DESY-Zeuthen
Tokufumi Kato, Current (PhD expected 2007)
Ryan Terri, Current (PhD expected 2008)
Lisa Whitehead, Current (PhD expected 2008)
Glenn Lopez, Current (PhD expected 2010).

Postdoctoral Scholars (within the last 5 years):

Clark McGrew, 1995-2001, now at Stony Brook University
Jim Hill, 1995-2002, now at Cal State University, Dominguez Hill
Kai Martens, 1998-2000, now at University of Utah
Antony Sarrat, 2002-, Stony Brook University
Kenkou Kobayashi, 2002-, Stony Brook University.

Total number of graduate thesis students: 14

Total number of postdoctoral scholars: 6