

Nigel Lockyer  
Director

**Office of the Director**  
P.O. Box 500, MS 105  
Kirk Road and Pine Street  
Batavia, Illinois 60510-5011  
USA  
Office: 630.840.3211  
lockyer@fnal.gov

September 25, 2019

Dear colleagues,

Koichiro Nishikawa spent a decade of his early professional career working at Fermilab, first at Northwestern University and then as a postdoc at the University of Chicago. During his time at Northwestern in 1980, he and his colleagues observed 10 like-sign dimuon events in E 356/482 in the Fermilab narrow band neutrino beam. The mystery of these events may have hooked him on neutrino physics at an early stage.

While at the University of Chicago, Ko spent considerable time working on the early Fermilab CP Violation experiments with neutral kaons. He was engaged in every aspect of these experiments, always doing whatever it took to get the detectors installed and the data collected and analyzed. He joined hadron collider physics, briefly working on DZero, while he was at Stony Brook before returning to Japan. There he pioneered the long baseline neutrino program that continues to produce such great results.

During his time at Fermilab in the 1980s, he would spend time in the Fermilab cafeteria having discussions with Masatoshi Koshiba, who visited occasionally. Perhaps it was in the Fermilab cafeteria that Ko decided that the best way to further understand CP violation was through neutrinos, not kaons.

Ko's colleagues from those early days have fond memories of him. Smart and physics-driven, he was a calm, ever helpful mentor. He will be missed.

Regards,



Nigel Lockyer  
Director of Fermi National Accelerator Laboratory