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To the Fermilab graduate program selection committee:

I recommend Mr. Gene Kafka for a position in the Fermilab graduate program in accelerator physics. I am an associate professor of physics at IIT, where Mr. Kafka is a Ph.D student in physics. I am familiar with Mr. Kafka since he presents his research work at our CAPP meetings (Center for Accelerator and Particle Physics). Mr. Kafka came to IIT already having experience in the area of muon ionization cooling through his Master's degree work with Professor Gail Hanson at University of California, Riverside. Since arriving at IIT, Mr. Kafka has continued to work in the area of muon cooling, and has attended the US Particle Accelerator School. His presentations show that he is a dedicated student with a strong interest in his chosen subject. He thinks carefully about what he is doing, and presents his work clearly.

The Fermilab graduate student program in accelerator physics is a good match to the research interests of Mr. Kafka. Supporting a graduate student dedicated to muon cooling is well integrated with the mission of Fermilab, as the lab strengthens its commitment to the concept of a muon beam based accelerator. The 6D cooling experiment at MICE is a crucial proof of principle for the muon community. Mr. Kafka's analysis of the experiment under the supervision of Dr. Alan Bross could be important to the future muon cooling effort at Fermilab. The participation of graduate students is also important to the health of the muon program.

Thank-you,

Dr. Linda Spentzouris