



Maury Tigner
Director, Cornell Laboratory for Accelerator Sciences and Education

Dear Prof. Tigner,

I am writing to express my interest in being a formal collaborator on the CESR Test Accelerator Proposal for studying ILC Damping Ring issues.

I was impressed by Mark Palmer's presentation at the ILC-DR Workshop in September, and think that you have an excellent proposal. The schedule addresses a critical ILC issue first, electron clouds in the positron damping ring wigglers, with the initial focus of the work to study the suppression of the electron cloud in the CESR-c wigglers, which are the model for the ILC baseline design.

I look forward to working with Cornell staff on planning diagnostics and experiments. I have experience diagnosing electron clouds within and between quadrupole magnets, which share some of the difficulties of working in wigglers. Your staff understands the constraints on adding diagnostics and other apparatus to CESR. Together, I expect that we can brainstorm and iterate what we would like to measure for e-cloud studies and how we can do it.

I suggest initiating the collaboration by my visiting Cornell, at a mutually convenient time. Then we can get to know each other better, and I can gain more of a feel for the experimental constraints with CESR. Once we know each other, e-mails and conference calls will be more efficient at continuing the collaboration, reducing the need for travel.

Sincerely yours,

A handwritten signature in cursive script that reads 'Art Molvik'.

Arthur W. Molvik