

6. Simulate the experiments to be performed.
7. Investigate the possibility of using the doubly spent electron beam (after both  $e^+e^-$  and  $e^-$ -laser interaction points) to scatter off a second low energy laser pulse and study the photon structure function. For a review, see Reference [21].

#### ANNUAL BUDGET

Tuition for 1 graduate student	\$30,000
Stipend for 1 graduate student	12,000
Travel for two to two domestic conferences	4,000
Travel for two to one international conference	<u>4,000</u>
Total Requested Budget	\$50,000

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