HP desktop/ Centos 6.5	Compiles and runs under gfortran, ~0.1sec/event
JLab ifarm1101 Centos 6.2	Compiles and runs under gfortran and g77, ~0.17sec/event, interactively
JLab ifarm1401 Centos 6.5	Does not Compile under gfortran or g77

Test run used 30,000 MadGraph runs – done on SLAC farm

Move to scicomp Farm at JLab to take advantage of the many cores.

APEX needs more than 1.2M MadGraph runs, 10000 events each
yields about 1600 useful events per 10K events run
low yield due to the cuts in angle and momenta of electrons and positrons entering apertures

APEX has account on batch farms. Good documentation on how to submit batch jobs at scicomp website.

First – Check that MadGraph runs properly interactively.
MadGraph works fine on Centos 6.2 machines, ifarm1101

MadGraph does not compile on ifarm1401 – Work in progress to fix this
new farm, ifarm1401 is used to test compilation
/work/halla/apex/disk1/MadGraph

Goal is to produce MadGraph runs on multiple cores.
Monday, Feb. 2, James and Konrad will get together to discuss Reach Calculations.

New approaches to the QED calculations:

a) Natalia is experimenting with a new Monte Carlo using T. Berenek's paper 1303.2540 as a way of improving the yield of events per run and cut down the time per event.

b) We will probably need to expand the QED calculation to include the bremsstrahlung photons in the stack of foils. A procedure for doing this needs to be developed.