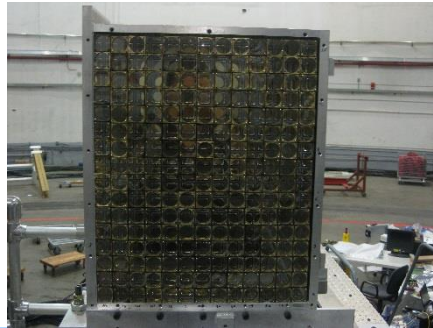


Run Coordinator Report

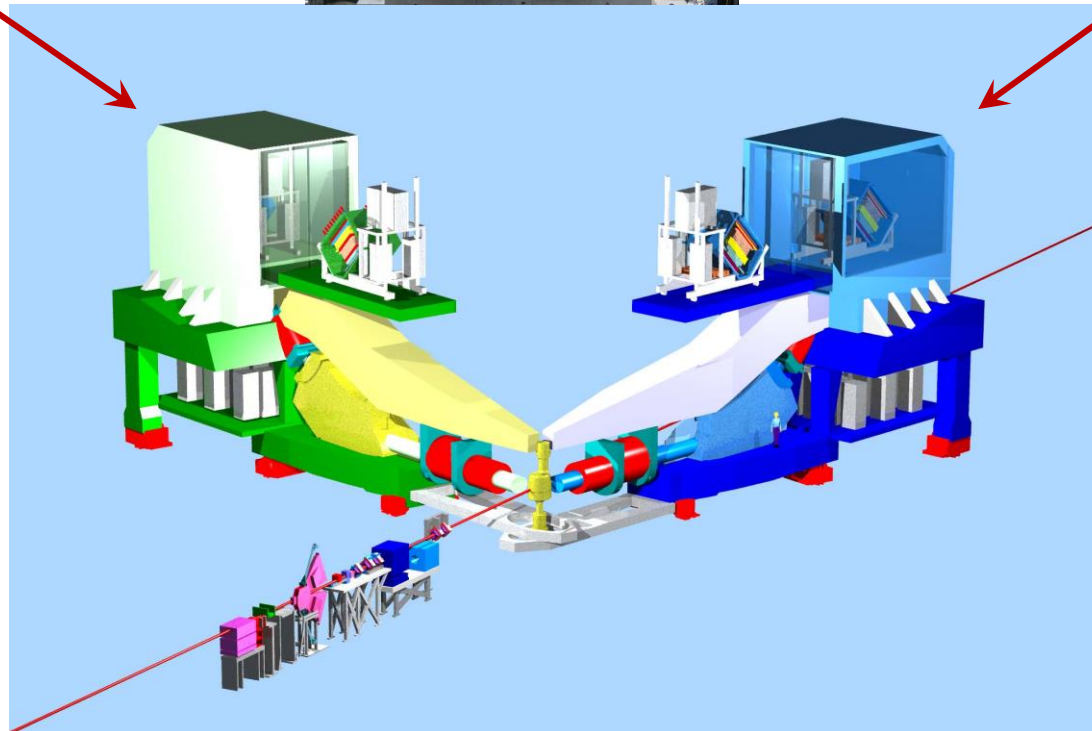
Dec 6, 2016 Bob Michaels

DVCS

(L-HRS + calorimeter)



GMp (R-HRS)



Efficiency

Owl Nov 30 through Owl Dec 6

ABU	BANU	BNA
112 hours	7 hours	33 hours
74 %	4 %	22 %

ABU = available beam, in use (doing the experiment)

BANU = beam is available, but is not used

BNA = beam not available

Accomplishments

- Mostly production at one kinematics
- Moller measurement (another planned for tomorrow 10 am)
- DVCS trigger runs, dummy target runs
- Energy Measurements

Problems

- Compton vacuum and laser optics
- HV on L-HRS (24 volt supply)
- DVCS VME crate power supply

π^0 invariant mass

- Position and width help us track the calibration and resolution of the DVCS calorimeter

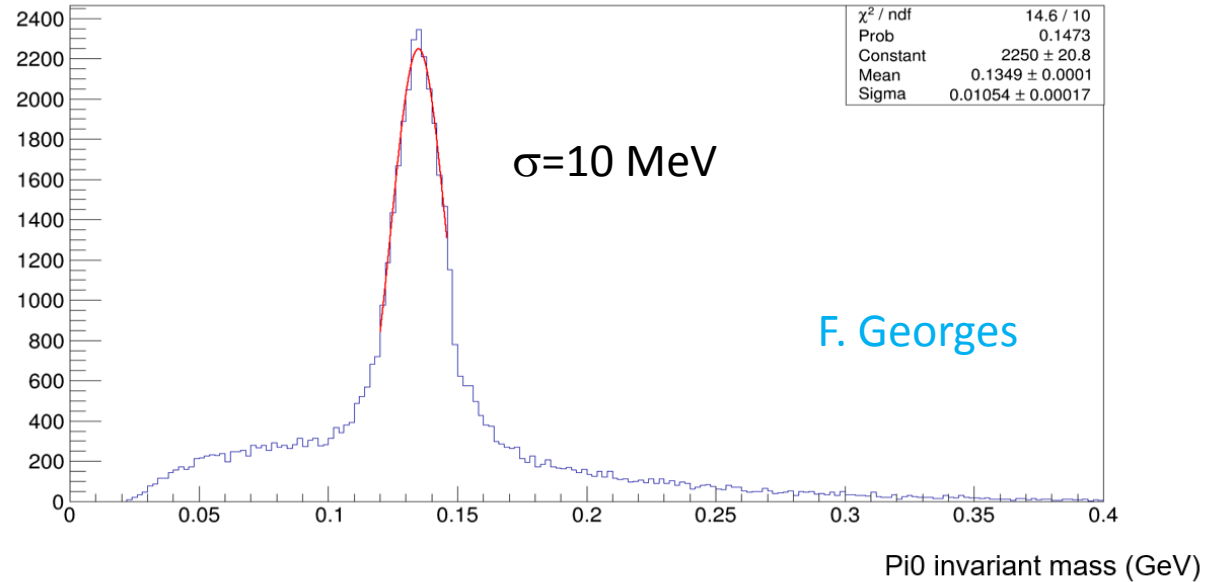
DVCS counting rate is low at this setting, as expected.

Online: no accidental and background subtraction yet

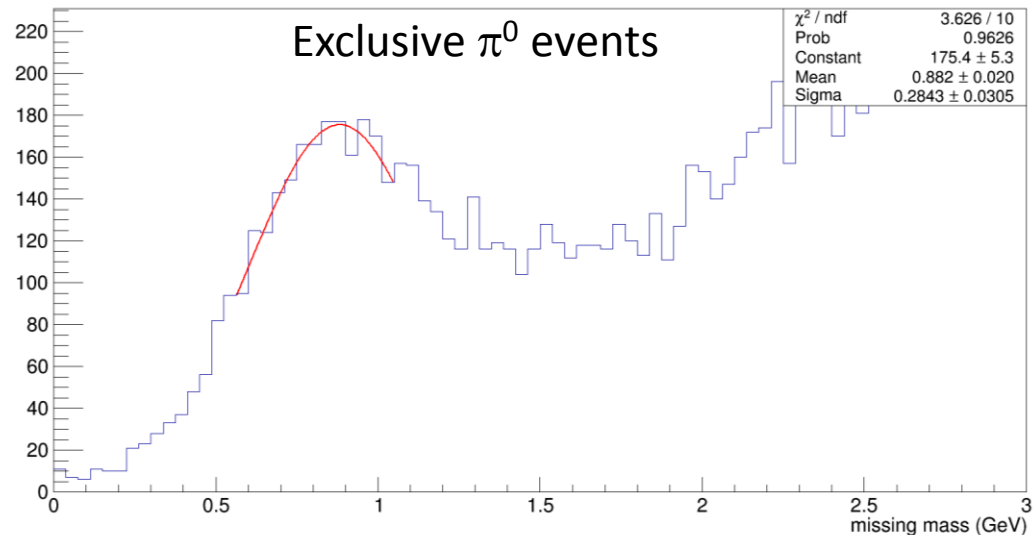
Exclusive π^0 events

- $ep \rightarrow ep \pi^0$

Pi0 invariant mass

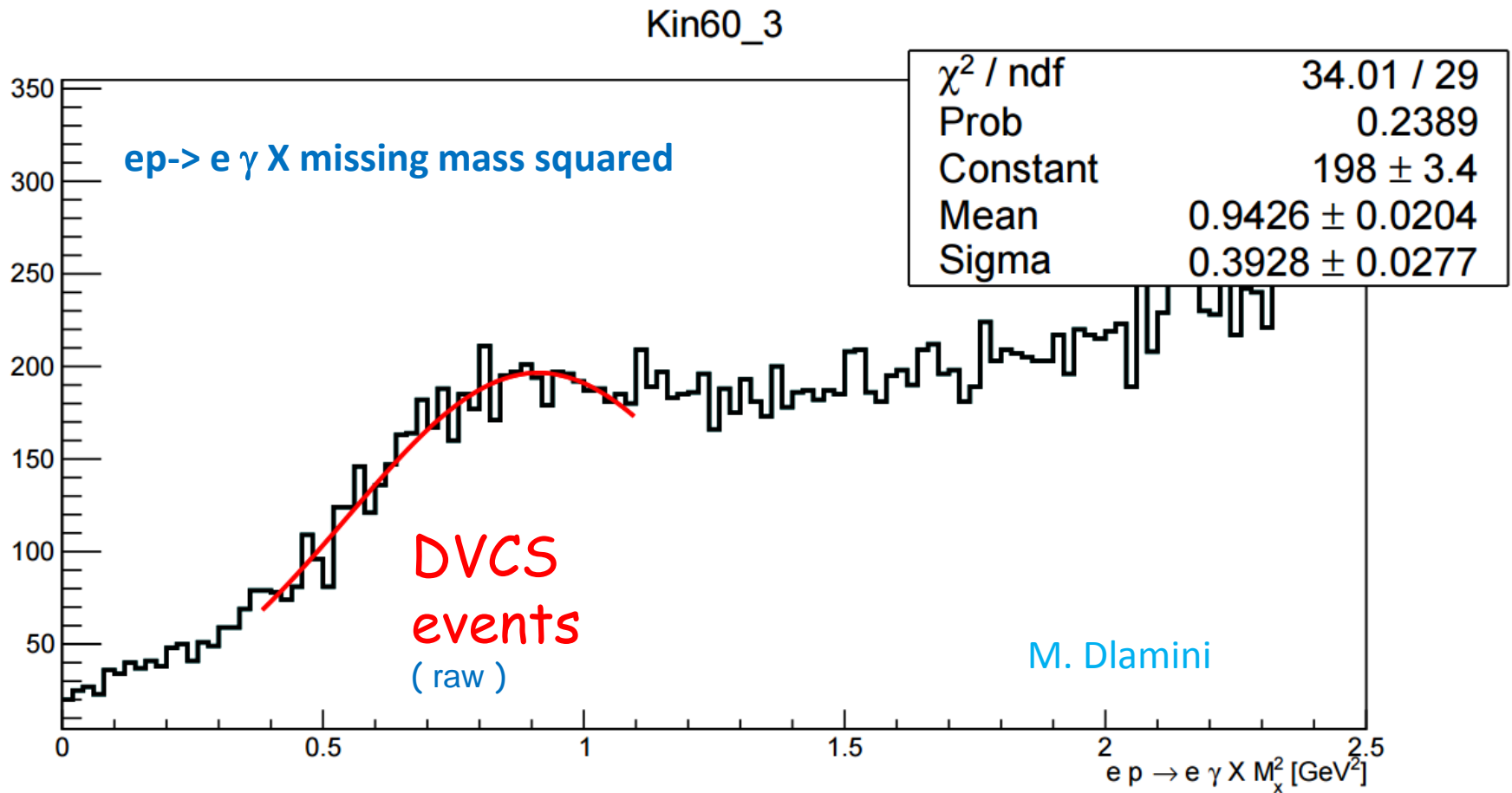


ep -> ep pi0 missing mass



Thanks Carlos,
Frederic, and Mongi !

DVCS kin-60₃ setting ($Q^2=8.4 \text{ GeV}^2$, $x_B=0,6$)



DVCS counting rate is low at this setting, as expected.

Online: no accidental and background subtraction yet

