

Summary of Moller Results

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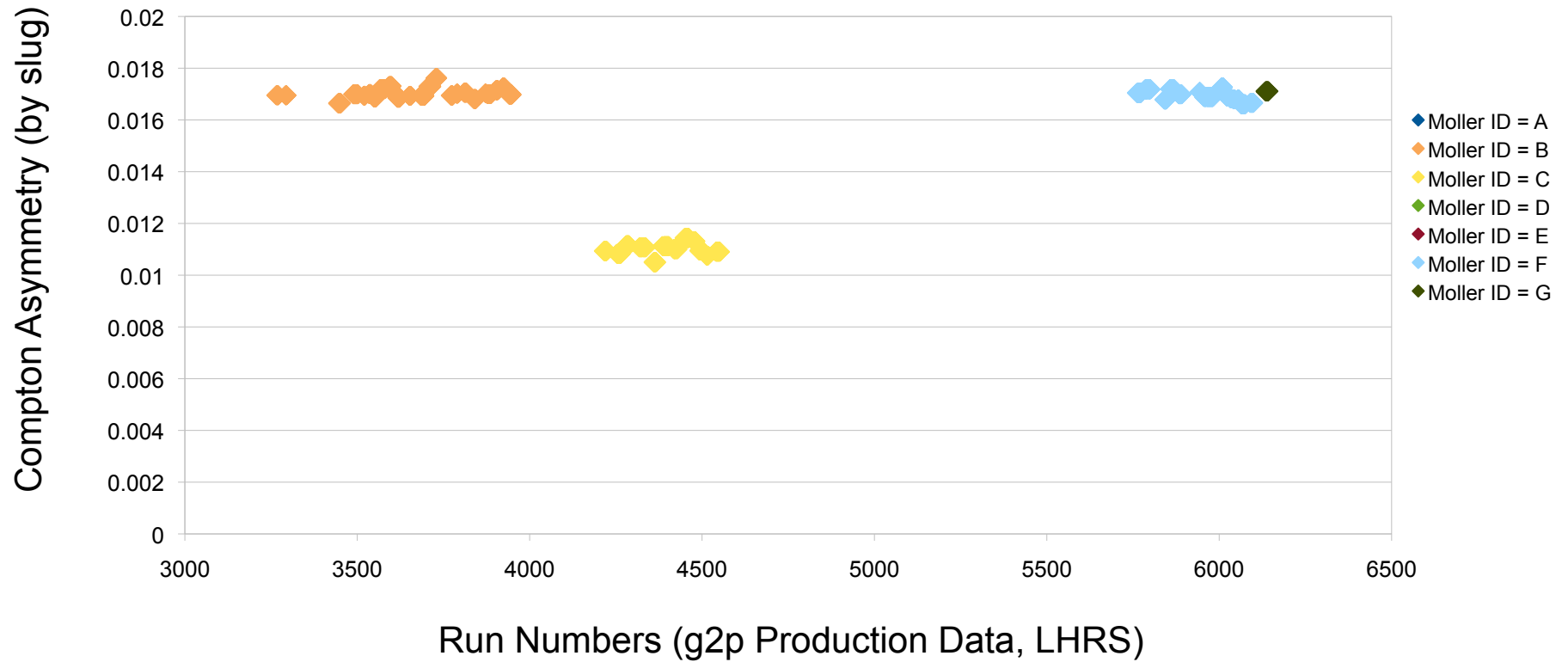
Moller Results

<i>Summary of Moller Results</i>							Production Runs		All Runs	
Date	Beam Eng	ID	Wien Angle	abs (Pb)	Stat	Sys	Start	End	Start	End
3/3/12	2.2	A	-60.85	79.91	0.20	1.7			2600	2777
3/30/12	2.2	B	-59.63	80.16	0.52	1.7	3265	3504	2778	3956
4/10/12	1.7	C	-49.60	88.52	0.30	1.7	4214	4577	3957	4697
4/23/12	1.2	D	-70.70	89.72	0.29	1.7	4781	5326	4698	5483
5/4/12	2.2	E	-60.85	82.65	0.58	1.7	5619	5642	5484	5642
5/4/12	2.2	F	-60.20	80.40	0.45	1.7	5643	6100	5643	6100
5/15/12	3.3	G	-60.20	83.59	0.31	1.7	6129	6216	6101	6216

***also completed for RHRS

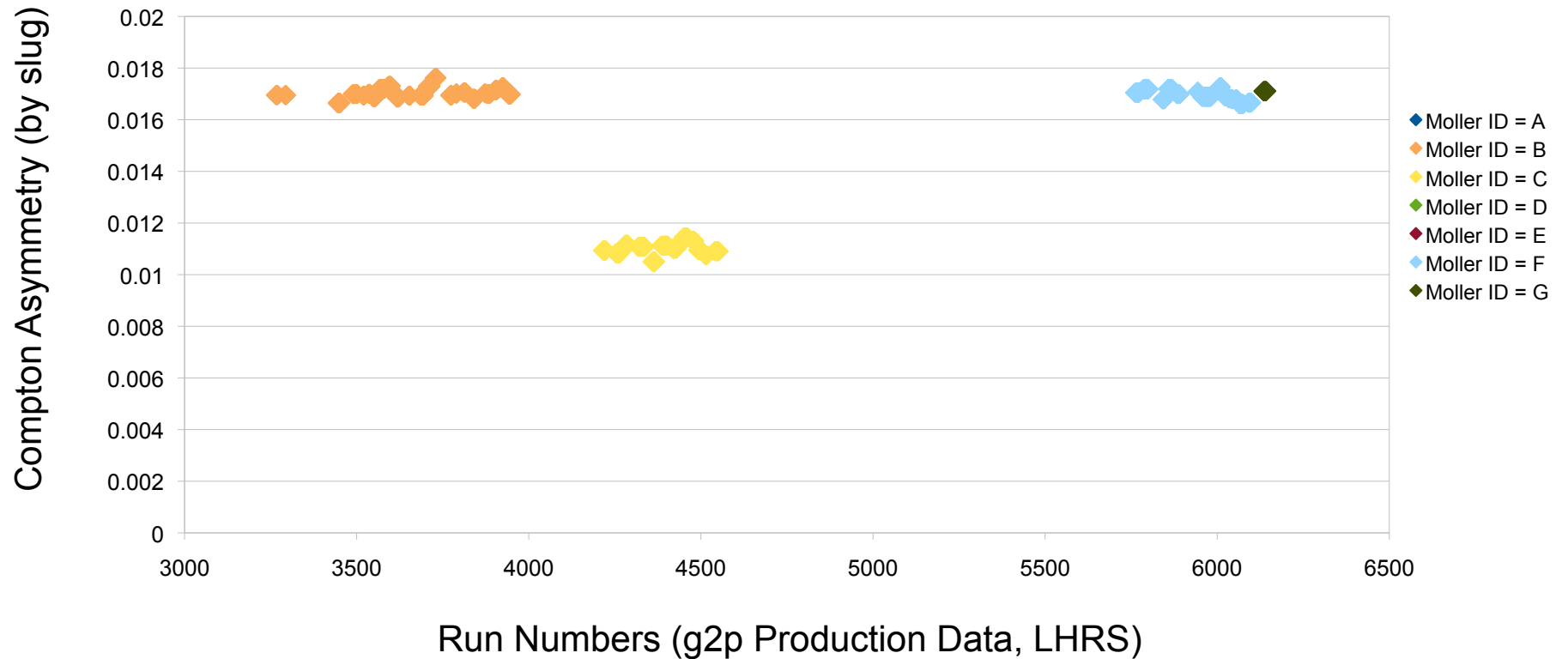
Moller Results

QWeak Compton Asymmetries Matched with g2p Production Data (LHRS)



Moller Results

QWeak Compton Asymmetries Matched with g2p Production Data (LHRS)



Beam appears stable over g2p run periods!

Bleedthrough

Summary of Moller Results: Bleedthrough Tests				
Date	Beam Eng	Bleedthrough	Slit	Comment
3/30/12	2.2	2.5 +/- 44%	15.15	as experiment running
3/30/12	2.2	-2.1 +/- 3.0%	-1.0	fully open
4/10/12	1.7	-3.3 +/- 2.6%	-1.0	fully open
4/23/12	1.2	-15 +/- 87%	14.0	as experiment running
5/4/12	2.2	-14 +/- 102%	-1.0	fully open
5/15/12	3.3	-1.0 +/- 3.8%	-1.0	fully open

- Also determined from on-line bleedthrough checks (done by shift workers)
- Assigned run-by-run for production runs
 - < 1% over entire g2p run period

Read My Technote! (please)

http://hallaweb.jlab.org/experiment/g2p/collaborators/melissac/Technotes/Efficiency_technote_draft.pdf

**comments/suggestions appreciated!