

g2p Collaboration Meeting



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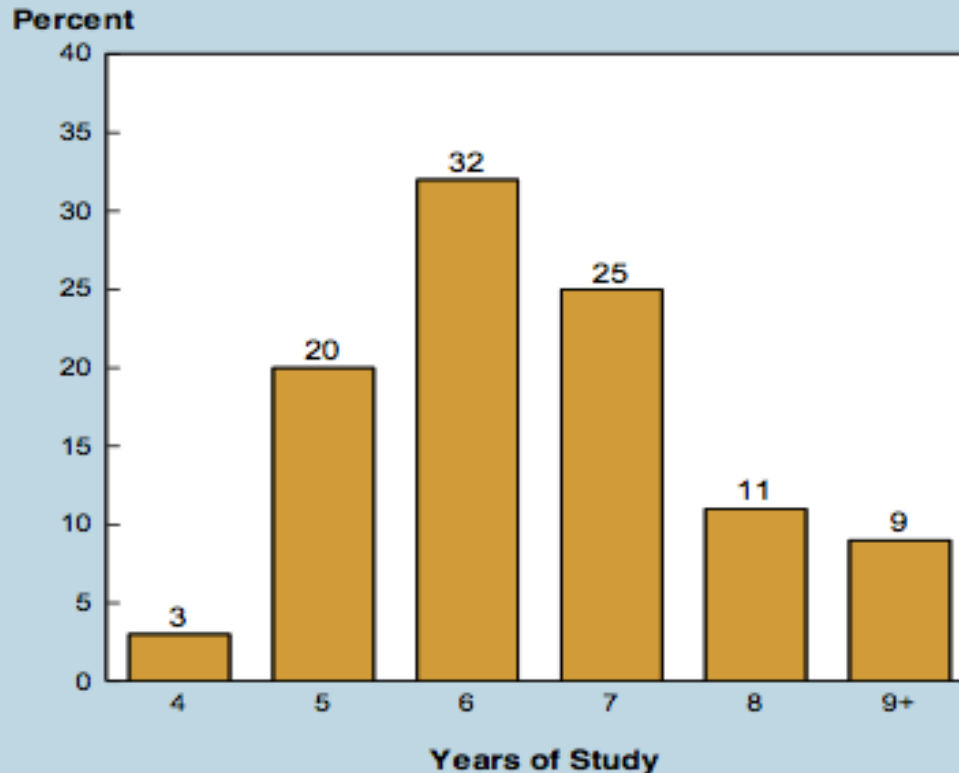
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Graduation Goals

(Quick summary from this mornings presentations)

<u>Collaborator</u>	<u>Grad. Goal</u>	<u>Plans</u>	<u>Analysis To Finish</u>	<u>Thesis Physics Topic</u>	<u>Yr</u>	<u>Thesis Requirements</u>
Chao	Aug 15	Postdoc	Optics/ XS?	Asym?	6	none?
Min	May 15	?	Acceptance	Asym?	7	none?
Pengjia	May 15	Postdoc/ industry	Asym Cuts	Asym?	?	2 papers
Melissa	May 15	Postdoc/ industry	P.F., yield stability, $P_b P_t$	Asym?	6	none
Ryan	Spring 16	?	XS global, pol RC on $\Delta\sigma$, g2p	Final $\Delta\sigma$, g2p, HFS?	5	unique from Toby
Toby	Spring 16	Industry	Dilution, Yield Stability, Quality Checks, Asym	Final $\Delta\sigma$, g2p, polarizabilities, BC Sum	5	unique from Ryan
Jie	Summer 16	Postdoc	PF, Δp simulation	?		?

Years of Physics Graduate Study to Earn a PhD, Classes of 2010 & 2011 Combined.



Note: This graph depicts the number of full-time equivalent years of physics graduate study completed in the U.S. by PhD classes of 2010 & 2011 combined and excludes PhDs who had previous graduate study at a non-US institution.

<http://www.aip.org/statistics>

Ave = 6.3 years
20% > 8 years

Slide from my
Gordon conference
pre-talk

Major Issues

1. **Yield Stability / Overall Data Quality Check.** Serious manpower must be devoted to this.
2. Acceptance : Looks good, but possibly an analysis bottleneck. Do we need a backup plan?
3. Analysis Method : $\Delta\sigma$ vs. Asymm with dilution.
4. Analysis Method : parallel analyses? Does not look possible to have two completely independent analyses with projected manpower. Where to focus any redundant efforts?
5. Incorporating parallel data from Hall B (g1). The effort should start now, with model input. Data can be swapped in later.

Other Issues

1. Writing first paper(s) should start now. The general form is fairly clear, can start to write. Can we identify people to work on this?
2. We need to set a Lead Authorship Policy for publications.
3. We need to set collab rules for showing preliminary data.

Potential Paper Topics

<u>Topic</u>	<u>Target Journal</u>	<u>People</u>	<u>comments</u>
Asymmetries	PRC		
$\Delta\sigma$ & g2p	PRL		
BC Sum (global)	PRL		
Spin Polariz.	PRL		
HFS	PRL		
Archival	PRC		
Target	NIM	Toby, James, Josh, ...	Published
XS (global)	PRC	Ryan	
Optics	NIM	Chao, Min, Jixie	
BPM	NIM	Pengjia	
Higher order Polarizabilities			
ELT Sum Rule			
XS (g2p data) ?			