

Curriculum Vitae  
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**Academic Employment**

2017-present

# Grants Held

## I: Nuclear Physics Research

- 2 2 tur n s n En n r n s r Coun q. C n E C ro t Gr nt u to  
 s s G C\_or Investigations of Hadronic Structure using CB-TAPS at the Mainz Microtron I  
 Hornount A son o I s rt n Hu r n **\$405,000**
- 2 2 tur n s n En n r n s r Coun q. C n E C In v u s r D s  
 ov r Gr nt u to s s G C\_or Investigating the Electromagnetic Structure of the Nucleon  
 and Light Light Nuclei at Jefferson Lab **\$248,587**
- 2 tur n s n En n r n s r Coun q. C n E C ro t Gr nt u to  
 s s G C\_or Investigations of Hadronic Structure using CB-TAPS at the Mainz Microtron I  
 Hornount A son o I s rt n Hu r n **\$430,000**
- 2 tur n s n En n r n s r Coun q. C n E C s r oos n In  
 stru nts C t Gr nt u to s s G C\_or Scintillator Machining for the new Coordinate  
 Detector in Jefferson Lab's High Momentum-Transfer Proton Electric Form Factor Experiment "GEp-  
 5" **\$51,685**
- 2 2 tur n s n En n r n s r Coun q. C n E C ro t Gr nt u to  
 s s G C\_or Investigations of Hadronic Structure using CB-TAPS at the Mainz Microtron I  
 Hornount A son o I s rt n Hu r n **\$330,000**
- 2 2 tur n s n En n r n s r Coun q. C n E C ro t Gr nt u to  
 s s G C\_or Probing the Electromagnetic Structure of Hadrons at Jefferson Lab I rt  
 o I Hornount A son **\$138,000**
- 2 nt r s nvrst Fut q. Gr ut tu s FG s r Gr nt\_or Simulations of  
 Accuracy of a Scintillating Fiber Tracking Detector Design **\$2000**
- 2 2 tur n s n En n r n s r Coun q. C n E C In v u s r D s  
 ov r Gr nt u to s s G C\_or Probing Electromagnetic Structure of the Nucleon using  
 Polarization at Jefferson Lab **\$105,000**
- 2 2 tur n s n En n r n s r Coun q. C n E C ro t Gr nt u to  
 s s G C\_or Investigating Hadron Structure with CB-TAPS at MAMI I Hornount  
 A son o I s rt n Hu r n **\$420,000**
- 2 nt r s nvrst Fut q. Gr ut tu s FG s r Gr nt\_or Prototype develop-  
 ment for a Scintillating Fiber Tracking Detector for use at Jefferson Lab's Hall A **\$1500**
- 2 tur n s n En n r n s r Coun q. C n E C In v u s r D s  
 ov r Gr nt u to s s G C\_or Precision Studies of the Electromagnetic Structure of the  
 Nucleon and Light Nuclei Scattering **\$128,250**
- 2 tur n s n En n r n s r Coun q. C n E C In v u s r D s  
 ov r Gr nt u to s s G C\_or Probing the Structure of the Nucleon and Light Nuclei  
 using Electron Scattering **\$104,520**
- 2 tur n s n En n r n s r Coun q. C n E C In v u s r Gr nt  
 u to s s G C\_or Studies of Nucleon and Nucleon-Resonance Structure using Electron  
 Scattering **\$66,800**
- 2 nt r s nvrst nt t rt up Gr nt\_or Experimentally Probing the Proton's Internal  
 Structure: Is the Proton Spherical? **\$2500**
- 2 For tt nvrst Coun on s r n Cr tv t C. D F Aw r **\$2000**  
 ton n Foun ton F s s Dvson u r Group s r Aw r\_or Studies of  
 Nuclear Reactions and Structure I or o I s Cott D nns F t r Fr w pr  
 rs rt **\$1,280,000 per year**
- D p rt nt q. En r DoE u r s s Dvson Group s r Aw r\_or "Support for  
 Experimental Nuclear Physics at Florida State University" o I s r Co p rt  
 s I D nns s **\$200,000 per year**
- F Coun on s r n Cr tv t Frst Y r Ass st nt ro, ssor Aw r **\$5000**

Grants Held (continued)

**II: Scholarship of Teaching**

- 2     nt   r   s   n   v   r   s   t   .   D     q.   Instru   t   o   n   D   v   o   p   n   t   r   v   .   o   r   A   R   e   g   i   o   n   a   l   S   y   m   p   o   s   i   u   m   o   n  
"best-practice use" of Clickers in University Classrooms **\$1500**
- 2     nt   r   s   n   v   r   s   t   .   D     q.   Instru   t   o   n   D   v   o   p   n   t   r   v   .   G   r   a   n   t   .   o   r   I   n   v   i   t   e   d   p   r   e   s   e   n   t   a   t   i   o   n   t   o  
the 2006 AAU Teaching Showcase: Using Wireless Responders during Lectures: A Study and a Theory  
to assess Impact and Appropriate Use **\$597**
- 2     nt   r   s   n   v   r   s   t   t   r   t   .   I   n   t   e   r   v   e   n   t   u   r   e   G   r   a   n   t   .   o   r   I   m   p   l   e   m   e   n   t   i   n   g   W   i   r   e   l   e   s   s   R   e   s   p   o   n   d   e   r   C   a   p   a   b   i   l   i   t   y   i   n   C   l   a   s   s   r   o   o   m   s   a   c   r   o   s   s   S   M   U   o   f   S   o   u   t   h   e   s   t   e   r   n   A   s   i   a   J   o   i   n   t   e   n   t   i   o   n   I   n   s   t   i   t   u   t   i   o   n   .   A   m   o   u   n   t   o   f   p   r   o   p   o   s   i   t   i   o   n   s   D   e   b   t   i   n   A   m   o   u   n   t   n   e   e   s   s   i   n   n   t   e   r   j   o   i   n   t   e   n   t   i   o   n   o   p   e   r   a   t   i   o   n   s   D   e   c   r   e   d   i   t   o   C   r   e   d   i   t   n   o   o   **\$20,000**
- 2     nt   r   s   n   v   r   s   t   F   u   t   u   r   e   G   r   a   n   t   .   o   r   G   r   a   n   t   .   o   r   I   n   v   e   s   t   i   g   a   t   i   n   g   t   h   e   E   f   f   e   c   t   i   v   e   n   e   s   s   o   f   P   e   r   s   o   n   a   l   R   e   s   p   o   n   d   e   r   s   f   o   r   I   m   p   r   o   v   i   n   g   L   e   a   r   n   i   n   g

University & Professional Administrative Activities (continued)

2 2 E ut v Bo r r C n n Asso t on q. s sts /CA  
 r s nt E t ?  
 r s nt n Con r ss ro r C r ?  
 r s nt ?  
 st r s nt ?

2 pr s nt t r n Co tt r H E po /H E  
 on n F r C r ? pr s nt  
 ponsors p Dr tor ? 2 pr s nt  
 on n F r C Ju ?

2 pr s nt t r n Co tt r ov ot D s ov r Aw r s or n no o  
 Ju n C r ? 2 2 2 pr s nt  
 D v r Ev nt C r ? 2

2 E t rn v w r D p rt nt q. s s n v r st q. n sor

2 2 r CA E Co tt on *Graduating Students with Innovative, Creative, and Entrepreneurial Mindsets* /

2 pr s nt r t r n Co tt or t Go r n n Co ons /  
 2 2 Bo r r ov ot Yout E p r n s n n / YE  
 r s nt n r sur r ? 2

2 2 r A A v sor Co tt on s r n Instru tion Co put n t n /  
 2 2 r I F Bo r q. n nt s r pr s nt t v

2 2 C r q. F ut q. n st n n Co tt s  
 Co unt En nt D utr ? 2  
 n Curr uu ?  
 n p ?

2 2 r v w Co tt or t t r C u n r or F ows ps  
 2 r t on Co tt or CA C D t r r or or D utst n n rv  
 to C n n s s

2 2 r Bo r q. Dr tors D s ov r C nt r H  
 u Co tt on ro r s n E ts ?

2 2 r n t Co tt on Cont nu n E u t on /

2 2 r t on Co tt or t CA or E n n n r r u t n  
 2 2 2 r t on Co tt or t CA Aw r s or E n n n H oo CEGE  
 s s

2 E t rn v w r D p rt nt q. s s C r ton n v r st  
 2 2 C r ? r ? E C o r s ps n F ows ps Co tt or s s  
 n Astrono

2 2 E ut v r D v s on q. s s E u t on C n Asso q. s sts  
 C r ?  
 C r n CA Coun Con r ss ro r Co tt r ?  
 st C r ?

2 E t rn v w r D p rt nt q. s s n v q. w Brunsw  
 2 2 n t Co tt on t u t q. n / r n C r ?

2 2 2 D p rt nt n r r u t A v sor 2 2 2 /

2 2 A IC s s n Astrono Co tt C r ? n r p n r t r ?

2 2 D p rt nt Curr uu Co tt / r n C r ?

2 2 C n n Inst tut or u r s s CI Foun n Bo r r ?  
 rs p D r ?

2 C r E t rn v w Co tt q. D pt q. o m n u s /  
 2 2 D p rt nt n r r u t or tor Coor n tor /



### Courses Taught (continued)

2

HY	2	2	s s_or t	-	n s II / 2 stu nts
HY	2		s s_or t	-	n s I / stu nts

### Courses Taught (continued)

HY2	Gr u t u r	s s B	t t on	2 s t ons	stu nts tot	For	t t
HY2	Co	s s B	t t on	2 stu nts	For	t t	
HY	Gr u t u r	s s	n r	stu nts	For	t t	
HY2	t t on Co	s s A	t t on	2 s t ons	stu nts tot	For	t t
HY2	Co	s s A	t t on	2 stu nts	For	t t	
HY	Gr u t u r	s s	n r	stu nts	For	t t	
HY2	t t on Co	s s B	t t on	2 s t ons	stu nts tot	For	t t
HY2	Co	s s B	t t on	2 stu nts	For	t t	
HY2	t t on Co	s s A	t t on	2 s t ons	stu nts tot	For	t t
HY2	Co	s s A	t t on	2 stu nts	For	t t	
HY2	t t on Co	s s B	t t on	2 s t ons	stu nts tot	For	t t
HY2	Co	s s B	t t on	2 stu nts	For	t t	

### Postdoctoral Research Fellows and Research Sta Supervised

2	2	Dr J ss C p	Support for JLab Hall A, and $\mu_p$ $\mu_E$ $\mu_M$ at low	2
2	2	r r		

## Undergraduate Honour's Theses Supervised (2000-present)



Undergraduate Student Research Assistants Supervised (continued)

t n urt	2	B CD t t st n n onstru tion
	2	E C A Aw r t Co t on sts_or B CD t nt tor str ps
	2	E C A Aw r En r C r t on q CB A n A2 t A I
	2 2	E C A Aw r upport_or J rson B t tor v
r Cr st n ut nu	2	E C A Aw r C r t on q CB A us n on otopro u tion
J ss C p	2	D v op nt q F st us tron s_or J rson B
	2 2	E C A Aw r r_or n st n q A s_or J rson B
	2	E C A Aw r s r n D v op nt_or nt F r Coor n t D t tor
C p	2	upport_or nt tn F r t tor n Cos s outr pro t
	2 2	q tw r otion r H r w r v op nt n A2 t A I
	2	E p r nt upport_or A2 E p r nts t A I D v op nt q Y t ro
As C p	2	s r n D v op nt_or nt tn F r Coor n t D t tor
	2	u t on q s outr on C p t s q nt tn F r r n D t tor
Cr st n Co ott	2	u t on q n w r r n o _or t CB A t A I
	2	Est s nt q CA AC s D t qu st on s st _or t tor us

## Current International Research Collaborations (continued)

### 2. 1994-present: Hall A Collaboration at Jefferson Lab, USA

In 1994, I visited Jefferson Lab to participate in the Hall A Collaboration. I worked with the Jefferson Lab staff and the Hall A Collaboration members to develop a proposal for a new experiment. The proposal was approved and the experiment was performed in 1995. The results of the experiment were published in 1996.

**Other Professional andor Community Activities (Administrative, Outreach, etc.)**

84. *Experimental study of the*  $\gamma$  <sup>0</sup>

69. *Electroexcitation of the  $\Delta^+(1232)$  at low momentum transfer*

A B o r D A n p r v r s A J r t o o n G D H n o t Z A / 2 u t o r s  
J r s o n H A C o r t o n  
s v w C 93A9.



40. *Recoil Polarization for  $\Delta$  Excitation in Pion Electroproduction*





## Refereed Publications (Scholarship of Teaching)

1. *Personal Responders: An Evaluation of an Interactive-Engagement Physics-Teaching Method*  
J Br n A J rt

**19.** *Overview of the LOWq Workshop*

## Invited Talks, Seminars, and Panels (Scholarship of Teaching)

**39.** *A Mandatory intro Physics course you don't really want to take, and that you think you've already mastered in High School* [Speaker: Chris Ross](#) [Session: 10:30-11:30 AM](#) [Room: H 101](#) [Date: June 2](#)

**37, 38.** *Teaching Physics is Hard – Learning Harder ... Shouldn't we study that? One Physicist's jump into Physics Education Research*

- [Invited presentation: Douglas DeVries](#) [Session: 10:30-11:30 AM](#) [Room: H 101](#) [Date: June 2](#)
-



## Invited Talks, Seminars, and Panels (Scholarship of Teaching) - continued

3. *Exciting Students about Excited Atoms* presented on virtual platform of Ontario with Dr. ... But ... or ...  
... of Association ...  
2
2. *Plagiarism: A Science Faculty Perspective* presented on virtual platform ...  
*Plagiarism: Exploring the Issues* sponsored ...  
... Co ... H ...  
2
1. *Advice and Stories for New Faculty* presented on virtual platform ...  
... H ...  
2

### Graduate Advisor

...  
former Professor of Physics, University of Saskatchewan;  
former Deputy Associate Director of Physics, Jefferson Lab (retired)

### Post-Doctoral Advisor

...  
Professor of Physics, Massachusetts Institute of Technology (retired)

### Professional Affiliations

...  
... Association ...  
... Institute ...