**Muons, Inc. Publications and Conference Proceedings by Topic**

**Table of Contents**

[Ion Sources 2](#_Toc307163628)

[Electron Sources 5](#_Toc307163629)

[G4Beamline Simulation Code 6](#_Toc307163630)

[RF Power Sources 9](#_Toc307163631)

[RF Windows 9](#_Toc307163632)

[SRF: Cavities 9](#_Toc307163633)

[SRF: Couplers 10](#_Toc307163634)

[SRF: HOM Dampers 10](#_Toc307163635)

[SRF: Project-X 10](#_Toc307163636)

[NC RF: High Pressure 12](#_Toc307163637)

[NC RF: Dielectric 15](#_Toc307163638)

[NC RF: Tunable RF Cavities 15](#_Toc307163639)

[Monoenergetic Photons 17](#_Toc307163640)

[Accelerator-Driven Subcritical Reactors 18](#_Toc307163641)

[HTS Magnets 19](#_Toc307163642)

[Muon Cooling: Theory 23](#_Toc307163643)

[Muon Cooling: Engineering 25](#_Toc307163644)

[Muon Cooling: Parametric-resonance Ionization Cooling 27](#_Toc307163645)

[Muon Cooling: Demonstration Experiment 31](#_Toc307163646)

[Muon Collider: Recirculating Linear Accelerators 34](#_Toc307163647)

[Muon Collider: Overview 36](#_Toc307163648)

[Muon Collider: Low Beta 38](#_Toc307163649)

[Muon Collider: Proton Driver 38](#_Toc307163650)

[Muon Collider: Simulations 39](#_Toc307163651)

[Muon Collider: Capture 39](#_Toc307163652)

[Muon Collider: Reverse Emittance Exchange 41](#_Toc307163653)

[Neutrino Factories 41](#_Toc307163654)

[Experimental Physics 43](#_Toc307163655)

[Beam Physics 46](#_Toc307163656)

[Electron-Ion Colliders 48](#_Toc307163657)

[Industrial Applications 48](#_Toc307163658)

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Andrei Afanasev (Hampton University, Hampton, Virginia), Rolland Paul Johnson (Muons, Inc, Batavia). PAC-2011-THP199, Mar 2011

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**G4Beamline Simulations for Detector Development.**[**T.J. Roberts**](http://www.slac.stanford.edu/spires/find/wwwhepau/wwwscan?rawcmd=fin+%22Roberts%2C%20T%2EJ%2E%22)**,** [**K.B. Beard**](http://www.slac.stanford.edu/spires/find/wwwhepau/wwwscan?rawcmd=fin+%22Beard%2C%20K%2EB%2E%22)**, (**[**MUONS Inc., Batavia**](http://www.slac.stanford.edu/spires/find/inst/www?icncp=MUONS+Inc.,+Batavia)**) . EPAC08-TUPD036, Jun 24, 2008. 2pp.   
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**G4 Beamline Program for Radiation Simulations.**[**K.B. Beard**](http://www.slac.stanford.edu/spires/find/wwwhepau/wwwscan?rawcmd=fin+%22Beard%2C%20K%2EB%2E%22)**,** [**T.J. Roberts**](http://www.slac.stanford.edu/spires/find/wwwhepau/wwwscan?rawcmd=fin+%22Roberts%2C%20T%2EJ%2E%22)**, (**[**MUONS Inc., Batavia**](http://www.slac.stanford.edu/spires/find/inst/www?icncp=MUONS+Inc.,+Batavia)**) ,** [**P. Degtiarenko**](http://www.slac.stanford.edu/spires/find/wwwhepau/wwwscan?rawcmd=fin+%22Degtiarenko%2C%20P%2E%22)**, (**[**Jefferson Lab**](http://www.slac.stanford.edu/spires/find/inst/www?icncp=Jefferson+Lab)**) . EPAC08-MOPD017, JLAB-ACC-08-829, Jun 23, 2008. 3pp.   
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**Phase and Frequency Locked Magnetrons for SRF Sources.**[**Milorad Popovic**](http://www.slac.stanford.edu/spires/find/wwwhepau/wwwscan?rawcmd=fin+%22Popovic%2C%20Milorad%22)**,** [**Alfred Moretti**](http://www.slac.stanford.edu/spires/find/wwwhepau/wwwscan?rawcmd=fin+%22Moretti%2C%20Alfred%22)**, (**[**Fermilab**](http://www.slac.stanford.edu/spires/find/inst/www?icncp=Fermilab)**) ,** [**Alan Dudas**](http://www.slac.stanford.edu/spires/find/wwwhepau/wwwscan?rawcmd=fin+%22Dudas%2C%20Alan%22)**,** [**Rolland Johnson**](http://www.slac.stanford.edu/spires/find/wwwhepau/wwwscan?rawcmd=fin+%22Johnson%2C%20Rolland%22)**,** [**Michael Neubauer**](http://www.slac.stanford.edu/spires/find/wwwhepau/wwwscan?rawcmd=fin+%22Neubauer%2C%20Michael%22)**,** [**Richard Sah**](http://www.slac.stanford.edu/spires/find/wwwhepau/wwwscan?rawcmd=fin+%22Sah%2C%20Richard%22)**, (**[**MUONS Inc., Batavia**](http://www.slac.stanford.edu/spires/find/inst/www?icncp=MUONS+Inc.,+Batavia)**) . IPAC-2010-THPEB058, May 2010.   
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**RF Windows**

**High Power Coax Window.**[**Michael Neubauer**](http://www.slac.stanford.edu/spires/find/wwwhepau/wwwscan?rawcmd=fin+%22Neubauer%2C%20Michael%22)**,** [**Alan Dudas**](http://www.slac.stanford.edu/spires/find/wwwhepau/wwwscan?rawcmd=fin+%22Dudas%2C%20Alan%22)**,** [**Richard Sah**](http://www.slac.stanford.edu/spires/find/wwwhepau/wwwscan?rawcmd=fin+%22Sah%2C%20Richard%22)**, (**[**MUONS Inc., Batavia**](http://www.slac.stanford.edu/spires/find/inst/www?icncp=MUONS+Inc.,+Batavia)**) ,** [**Thomas Elliott**](http://www.slac.stanford.edu/spires/find/wwwhepau/wwwscan?rawcmd=fin+%22Elliott%2C%20Thomas%22)**,** [**Robert Rimmer**](http://www.slac.stanford.edu/spires/find/wwwhepau/wwwscan?rawcmd=fin+%22Rimmer%2C%20Robert%22)**,** [**Mircea Stirbet**](http://www.slac.stanford.edu/spires/find/wwwhepau/wwwscan?rawcmd=fin+%22Stirbet%2C%20Mircea%22)**, (**[**JLAB, FEL**](http://www.slac.stanford.edu/spires/find/inst/www?icncp=JLAB,+FEL)**) . IPAC-2010-WEPEC062, May 2010.   
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**Adjustable High Power Coax RF Coupler without Moving Parts.**[**Michael Neubauer**](http://www.slac.stanford.edu/spires/find/wwwhepau/wwwscan?rawcmd=fin+%22Neubauer%2C%20Michael%22)**, (**[**MUONS Inc., Batavia**](http://www.slac.stanford.edu/spires/find/inst/www?icncp=MUONS+Inc.,+Batavia)**) ,** [**Alan Dudas**](http://www.slac.stanford.edu/spires/find/wwwhepau/wwwscan?rawcmd=fin+%22Dudas%2C%20Alan%22)**, (**[**MUONS Inc., Batavia**](http://www.slac.stanford.edu/spires/find/inst/www?icncp=MUONS+Inc.,+Batavia)**) ,** [**Richard Sah**](http://www.slac.stanford.edu/spires/find/wwwhepau/wwwscan?rawcmd=fin+%22Sah%2C%20Richard%22)**, (**[**MUONS Inc., Batavia**](http://www.slac.stanford.edu/spires/find/inst/www?icncp=MUONS+Inc.,+Batavia)**) ,** [**Michael Borland**](http://www.slac.stanford.edu/spires/find/wwwhepau/wwwscan?rawcmd=fin+%22Borland%2C%20Michael%22)**, (**[**Argonne**](http://www.slac.stanford.edu/spires/find/inst/www?icncp=Argonne)**) ,** [**Ali Nassiri**](http://www.slac.stanford.edu/spires/find/wwwhepau/wwwscan?rawcmd=fin+%22Nassiri%2C%20Ali%22)**, (**[**Argonne**](http://www.slac.stanford.edu/spires/find/inst/www?icncp=Argonne)**) . IPAC-2010-THPEB059, May 2010.   
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**Phase and Frequency Locked Magnetrons for SRF Sources.**[**M. Neubauer**](http://www.slac.stanford.edu/spires/find/wwwhepau/wwwscan?rawcmd=fin+%22Neubauer%2C%20M%2E%22)**,** [**R.P. Johnson**](http://www.slac.stanford.edu/spires/find/wwwhepau/wwwscan?rawcmd=fin+%22Johnson%2C%20R%2EP%2E%22)**, (**[**Muons Inc., Batavia**](http://www.slac.stanford.edu/spires/find/inst/www?icncp=Muons+Inc.,+Batavia)**) ,** [**M. Popovic**](http://www.slac.stanford.edu/spires/find/wwwhepau/wwwscan?rawcmd=fin+%22Popovic%2C%20M%2E%22)**,** [**A. Moretti**](http://www.slac.stanford.edu/spires/find/wwwhepau/wwwscan?rawcmd=fin+%22Moretti%2C%20A%2E%22)**, (**[**Fermilab**](http://www.slac.stanford.edu/spires/find/inst/www?icncp=Fermilab)**) . FERMILAB-CONF-09-202-AD, May 2009. 3pp.   
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**SRF: Cavities**

**Beam Dynamics Studies of Parallel-Bar Deflecting Cavities**

Shahid Ahmed, Jean Roger Delayen, Alicia Hofler, Geoffrey Arthur Krafft, Michael Spata, Michael George Tiefenback (JLAB, Newport News, Virginia), Kevin Beard (Muons, Inc, Batavia), Subashini D. Silva (ODU, Norfolk, Virginia), Kirsten Deitrick (RPI, Troy, New York). PAC 2011-TUODN3 Mar. 2011

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**Novel Crab Cavity RF Design.**[**Michael Neubauer**](http://www.slac.stanford.edu/spires/find/wwwhepau/wwwscan?rawcmd=fin+%22Neubauer%2C%20Michael%22)**,** [**Alan Dudas**](http://www.slac.stanford.edu/spires/find/wwwhepau/wwwscan?rawcmd=fin+%22Dudas%2C%20Alan%22)**,** [**Richard Sah**](http://www.slac.stanford.edu/spires/find/wwwhepau/wwwscan?rawcmd=fin+%22Sah%2C%20Richard%22)**, (**[**MUONS Inc., Batavia**](http://www.slac.stanford.edu/spires/find/inst/www?icncp=MUONS+Inc.,+Batavia)**) ,** [**Geoffrey Krafft**](http://www.slac.stanford.edu/spires/find/wwwhepau/wwwscan?rawcmd=fin+%22Krafft%2C%20Geoffrey%22)**,** [**Robert Rimmer**](http://www.slac.stanford.edu/spires/find/wwwhepau/wwwscan?rawcmd=fin+%22Rimmer%2C%20Robert%22)**, (**[**JLAB, FEL**](http://www.slac.stanford.edu/spires/find/inst/www?icncp=JLAB,+FEL)**) . IPAC-2010-WEPEC061, May 2010.   
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**SRF: Couplers**

**Adjustable High Power Coax Coupler without Moving Parts**

Michael Neubauer, Alan Dudas, Richard Sah (Muons, Inc, Batavia), Ali Nassiri (ANL, Argonne). PAC-2011-TUP095, Mar 2011

New Phase I STTR project.

**SRF: HOM Dampers**

**Beam Pipe HOM Absorber for SRF Cavities**

Richard Sah, Alan Dudas, Michael Neubauer (Muons, Inc, Batavia), Georg H. Hoffstaetter, Matthias Liepe, Hasan Padamsee, Valery D. Shemelin (CLASSE, Ithaca, New York), Kwok Ko, Cho-Kuen Ng, Liling Xiao (SLAC, Menlo Park, California). PAC-2011-TUP096, Mar 2011

<http://www.c-ad.bnl.gov/pac2011/proceedings/papers/tup096.pdf>

**Beam Pipe HOM Absorber for 750 MHz RF Cavities.**[**Michael Neubauer**](http://www.slac.stanford.edu/spires/find/wwwhepau/wwwscan?rawcmd=fin+%22Neubauer%2C%20Michael%22)**,** [**Alan Dudas**](http://www.slac.stanford.edu/spires/find/wwwhepau/wwwscan?rawcmd=fin+%22Dudas%2C%20Alan%22)**,** [**Richard Sah**](http://www.slac.stanford.edu/spires/find/wwwhepau/wwwscan?rawcmd=fin+%22Sah%2C%20Richard%22)**, (**[**MUONS Inc., Batavia**](http://www.slac.stanford.edu/spires/find/inst/www?icncp=MUONS+Inc.,+Batavia)**) ,** [**Georg Hoffstaetter**](http://www.slac.stanford.edu/spires/find/wwwhepau/wwwscan?rawcmd=fin+%22Hoffstaetter%2C%20Georg%22)**,** [**Matthias Liepe**](http://www.slac.stanford.edu/spires/find/wwwhepau/wwwscan?rawcmd=fin+%22Liepe%2C%20Matthias%22)**,** [**Hasan Padamsee**](http://www.slac.stanford.edu/spires/find/wwwhepau/wwwscan?rawcmd=fin+%22Padamsee%2C%20Hasan%22)**,** [**Valery Shemeli**](http://www.slac.stanford.edu/spires/find/wwwhepau/wwwscan?rawcmd=fin+%22Shemeli%2C%20Valery%22)**, (**[**Cornell U., CLASSE**](http://www.slac.stanford.edu/spires/find/inst/www?icncp=Cornell+U.,+CLASSE)**) . IPAC-2010-WEPEC060, May 2010.   
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**SRF: Project-X**

**Intense Muon Beams for Experiments at Project X**

Charles Ankenbrandt, Rolland Paul Johnson, Cary Y. Yoshikawa (Muons, Inc, Batavia), James Miller (BUphy, Boston, Massachusetts), Vladimir Kashikhin, David Neuffer (Fermilab, Batavia), Robert Rimmer (JLAB, Newport News, Virginia). PAC 2011-WEP249 Mar. 2011

<http://www.c-ad.bnl.gov/pac2011/proceedings/papers/wep249.pdf>

**Using Project X as a Proton Driver for Muon Colliders and Neutrino Factories.**[**G. Flanagan**](http://www.slac.stanford.edu/spires/find/wwwhepau/wwwscan?rawcmd=fin+%22Flanagan%2C%20G%2E%22)**,** [**R. Abrams**](http://www.slac.stanford.edu/spires/find/wwwhepau/wwwscan?rawcmd=fin+%22Abrams%2C%20R%2E%22)**,** [**C. Ankenbrandt**](http://www.slac.stanford.edu/spires/find/wwwhepau/wwwscan?rawcmd=fin+%22Ankenbrandt%2C%20C%2E%22)**,** [**M.A.C. Cummings**](http://www.slac.stanford.edu/spires/find/wwwhepau/wwwscan?rawcmd=fin+%22Cummings%2C%20M%2EA%2EC%2E%22)**,** [**R.P. Johnson**](http://www.slac.stanford.edu/spires/find/wwwhepau/wwwscan?rawcmd=fin+%22Johnson%2C%20R%2EP%2E%22)**, (**[**MUONS Inc., Batavia**](http://www.slac.stanford.edu/spires/find/inst/www?icncp=MUONS+Inc.,+Batavia)**) ,** [**Milorad Popovic**](http://www.slac.stanford.edu/spires/find/wwwhepau/wwwscan?rawcmd=fin+%22Popovic%2C%20Milorad%22)**,** [**Al Moreti**](http://www.slac.stanford.edu/spires/find/wwwhepau/wwwscan?rawcmd=fin+%22Moreti%2C%20Al%22)**, (**[**Fermilab**](http://www.slac.stanford.edu/spires/find/inst/www?icncp=Fermilab)**) . IPAC-2010-4452-4454, IPAC-2010-THPD074, May 2010. 3pp.   
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**Using Project X as a Proton Driver for Muon Colliders and Neutrino Factories.**[**Charles Ankenbrandt**](http://www.slac.stanford.edu/spires/find/wwwhepau/wwwscan?rawcmd=fin+%22Ankenbrandt%2C%20Charles%22)**,** [**Rolland P. Johnson**](http://www.slac.stanford.edu/spires/find/wwwhepau/wwwscan?rawcmd=fin+%22Johnson%2C%20Rolland%20P%2E%22)**, (**[**MUONS Inc., Batavia**](http://www.slac.stanford.edu/spires/find/inst/www?icncp=MUONS+Inc.,+Batavia)**) . HB2008-WGE08, Aug 2008. 6pp.   
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**A Shared Superconducting LINAC for Protons and Muons.**[**M. Popovic**](http://www.slac.stanford.edu/spires/find/wwwhepau/wwwscan?rawcmd=fin+%22Popovic%2C%20M%2E%22)**,** [**C.M. Ankenbrandt**](http://www.slac.stanford.edu/spires/find/wwwhepau/wwwscan?rawcmd=fin+%22Ankenbrandt%2C%20C%2EM%2E%22)**, (**[**Fermilab**](http://www.slac.stanford.edu/spires/find/inst/www?icncp=Fermilab)**) ,** [**S.A. Bogacz**](http://www.slac.stanford.edu/spires/find/wwwhepau/wwwscan?rawcmd=fin+%22Bogacz%2C%20S%2EA%2E%22)**, (**[**Jefferson Lab**](http://www.slac.stanford.edu/spires/find/inst/www?icncp=Jefferson+Lab)**) ,** [**R.P. Johnson**](http://www.slac.stanford.edu/spires/find/wwwhepau/wwwscan?rawcmd=fin+%22Johnson%2C%20R%2EP%2E%22)**, (**[**MUONS Inc., Batavia**](http://www.slac.stanford.edu/spires/find/inst/www?icncp=MUONS+Inc.,+Batavia)**) . Aug 2006. 3pp.   
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**NC RF: High Pressure**

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**NC RF: Dielectric**

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**RF Cavities Loaded with Dielectric for Muon Facilities.**[**M. Popovic**](http://www.slac.stanford.edu/spires/find/wwwhepau/wwwscan?rawcmd=fin+%22Popovic%2C%20M%2E%22)**,** [**A. Moretti**](http://www.slac.stanford.edu/spires/find/wwwhepau/wwwscan?rawcmd=fin+%22Moretti%2C%20A%2E%22)**, (**[**Fermilab**](http://www.slac.stanford.edu/spires/find/inst/www?icncp=Fermilab)**) ,** [**C.M. Ankenbrandt**](http://www.slac.stanford.edu/spires/find/wwwhepau/wwwscan?rawcmd=fin+%22Ankenbrandt%2C%20C%2EM%2E%22)**,** [**M.A.C. Cummings**](http://www.slac.stanford.edu/spires/find/wwwhepau/wwwscan?rawcmd=fin+%22Cummings%2C%20M%2EA%2EC%2E%22)**,** [**R.P. Johnson**](http://www.slac.stanford.edu/spires/find/wwwhepau/wwwscan?rawcmd=fin+%22Johnson%2C%20R%2EP%2E%22)**,** [**M. Neubauer**](http://www.slac.stanford.edu/spires/find/wwwhepau/wwwscan?rawcmd=fin+%22Neubauer%2C%20M%2E%22)**, (**[**Muons Inc., Batavia**](http://www.slac.stanford.edu/spires/find/inst/www?icncp=Muons+Inc.,+Batavia)**) . FERMILAB-CONF-09-200-AD, May 2009. 3pp.   
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**NC RF: Tunable RF Cavities**

**Tunable RF Cavities Using Orthogonally Biased Ferrite.**[**R.P. Johnson**](http://www.slac.stanford.edu/spires/find/wwwhepau/wwwscan?rawcmd=fin+%22Johnson%2C%20R%2EP%2E%22)**,** [**M. Alsharo'a**](http://www.slac.stanford.edu/spires/find/wwwhepau/wwwscan?rawcmd=fin+%22Alsharo%27a%2C%20M%2E%22)**,** [**C.M. Ankenbrandt**](http://www.slac.stanford.edu/spires/find/wwwhepau/wwwscan?rawcmd=fin+%22Ankenbrandt%2C%20C%2EM%2E%22)**,** [**I. Entchevitch**](http://www.slac.stanford.edu/spires/find/wwwhepau/wwwscan?rawcmd=fin+%22Entchevitch%2C%20I%2E%22)**,** [**J.E. Griffin**](http://www.slac.stanford.edu/spires/find/wwwhepau/wwwscan?rawcmd=fin+%22Griffin%2C%20J%2EE%2E%22)**, (**[**Muons Inc., Batavia**](http://www.slac.stanford.edu/spires/find/inst/www?icncp=Muons+Inc.,+Batavia)**) ,** [**A. Moretti**](http://www.slac.stanford.edu/spires/find/wwwhepau/wwwscan?rawcmd=fin+%22Moretti%2C%20A%2E%22)**,** [**M. Popovic**](http://www.slac.stanford.edu/spires/find/wwwhepau/wwwscan?rawcmd=fin+%22Popovic%2C%20M%2E%22)**,** [**R. Tomlin**](http://www.slac.stanford.edu/spires/find/wwwhepau/wwwscan?rawcmd=fin+%22Tomlin%2C%20R%2E%22)**, (**[**Fermilab**](http://www.slac.stanford.edu/spires/find/inst/www?icncp=Fermilab)**) . FERMILAB-CONF-09-201-AD-TD, May 2009. 3pp.   
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**Monoenergetic Photons**

**A Cooled Generalized Multiple Target System to Create Positrons for a Compact Tunable Intense Gamma Ray Source**

Cary Y. Yoshikawa, Charles Ankenbrandt (Muons, Inc, Batavia), David Neuffer (Fermilab, Batavia), Andrei Afanasev (Hampton University, Hampton, Virginia). PAC-2011-THP025, Mar 2011

<http://www.c-ad.bnl.gov/pac2011/proceedings/papers/thp025.pdf>

**Positron Production for a Compact Tunable Intense Gamma Ray Source.**[**Cary Yoshikawa**](http://www.slac.stanford.edu/spires/find/wwwhepau/wwwscan?rawcmd=fin+%22Yoshikawa%2C%20Cary%22)**, (**[**MUONS Inc., Batavia**](http://www.slac.stanford.edu/spires/find/inst/www?icncp=MUONS+Inc.,+Batavia)**) ,** [**Robert Abrams**](http://www.slac.stanford.edu/spires/find/wwwhepau/wwwscan?rawcmd=fin+%22Abrams%2C%20Robert%22)**, (**[**MUONS Inc., Batavia**](http://www.slac.stanford.edu/spires/find/inst/www?icncp=MUONS+Inc.,+Batavia)**) ,** [**Andrei Afanasev**](http://www.slac.stanford.edu/spires/find/wwwhepau/wwwscan?rawcmd=fin+%22Afanasev%2C%20Andrei%22)**, (**[**MUONS Inc., Batavia**](http://www.slac.stanford.edu/spires/find/inst/www?icncp=MUONS+Inc.,+Batavia)**) ,** [**Charles Ankenbrandt**](http://www.slac.stanford.edu/spires/find/wwwhepau/wwwscan?rawcmd=fin+%22Ankenbrandt%2C%20Charles%22)**, (**[**MUONS Inc., Batavia**](http://www.slac.stanford.edu/spires/find/inst/www?icncp=MUONS+Inc.,+Batavia)**) ,** [**Kevin Beard**](http://www.slac.stanford.edu/spires/find/wwwhepau/wwwscan?rawcmd=fin+%22Beard%2C%20Kevin%22)**, (**[**MUONS Inc., Batavia**](http://www.slac.stanford.edu/spires/find/inst/www?icncp=MUONS+Inc.,+Batavia)**) ,** [**David Neuffer**](http://www.slac.stanford.edu/spires/find/wwwhepau/wwwscan?rawcmd=fin+%22Neuffer%2C%20David%22)**, (**[**Fermilab**](http://www.slac.stanford.edu/spires/find/inst/www?icncp=Fermilab)**) . IPAC-2010-MOPEA045, May 2010.   
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**Quasi-monochromatic Positrons using Dipole and Wedge.**[**Robert Abrams**](http://www.slac.stanford.edu/spires/find/wwwhepau/wwwscan?rawcmd=fin+%22Abrams%2C%20Robert%22)**, (**[**MUONS Inc., Batavia**](http://www.slac.stanford.edu/spires/find/inst/www?icncp=MUONS+Inc.,+Batavia)**) ,** [**Charles Ankenbrandt**](http://www.slac.stanford.edu/spires/find/wwwhepau/wwwscan?rawcmd=fin+%22Ankenbrandt%2C%20Charles%22)**, (**[**MUONS Inc., Batavia**](http://www.slac.stanford.edu/spires/find/inst/www?icncp=MUONS+Inc.,+Batavia)**) ,** [**Cary Yoshikawa**](http://www.slac.stanford.edu/spires/find/wwwhepau/wwwscan?rawcmd=fin+%22Yoshikawa%2C%20Cary%22)**, (**[**MUONS Inc., Batavia**](http://www.slac.stanford.edu/spires/find/inst/www?icncp=MUONS+Inc.,+Batavia)**) . IPAC-2010-MOPEA044, May 2010.   
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**Quasi-Monoenergetic Photon Source Based on Electron-Positron In-Flight Annihilation.**[**Andrei Afanasev**](http://www.slac.stanford.edu/spires/find/wwwhepau/wwwscan?rawcmd=fin+%22Afanasev%2C%20Andrei%22)**, (**[**MUONS Inc., Batavia**](http://www.slac.stanford.edu/spires/find/inst/www?icncp=MUONS+Inc.,+Batavia)**) ,** [**Robert Abrams**](http://www.slac.stanford.edu/spires/find/wwwhepau/wwwscan?rawcmd=fin+%22Abrams%2C%20Robert%22)**, (**[**MUONS Inc., Batavia**](http://www.slac.stanford.edu/spires/find/inst/www?icncp=MUONS+Inc.,+Batavia)**) ,** [**Charles Ankenbrandt**](http://www.slac.stanford.edu/spires/find/wwwhepau/wwwscan?rawcmd=fin+%22Ankenbrandt%2C%20Charles%22)**, (**[**MUONS Inc., Batavia**](http://www.slac.stanford.edu/spires/find/inst/www?icncp=MUONS+Inc.,+Batavia)**) ,** [**Kevin Beard**](http://www.slac.stanford.edu/spires/find/wwwhepau/wwwscan?rawcmd=fin+%22Beard%2C%20Kevin%22)**, (**[**MUONS Inc., Batavia**](http://www.slac.stanford.edu/spires/find/inst/www?icncp=MUONS+Inc.,+Batavia)**) ,** [**Rolland Johnson**](http://www.slac.stanford.edu/spires/find/wwwhepau/wwwscan?rawcmd=fin+%22Johnson%2C%20Rolland%22)**, (**[**MUONS Inc., Batavia**](http://www.slac.stanford.edu/spires/find/inst/www?icncp=MUONS+Inc.,+Batavia)**) ,** [**Thomas Roberts**](http://www.slac.stanford.edu/spires/find/wwwhepau/wwwscan?rawcmd=fin+%22Roberts%2C%20Thomas%22)**, (**[**MUONS Inc., Batavia**](http://www.slac.stanford.edu/spires/find/inst/www?icncp=MUONS+Inc.,+Batavia)**) ,** [**Cary Yoshikawa**](http://www.slac.stanford.edu/spires/find/wwwhepau/wwwscan?rawcmd=fin+%22Yoshikawa%2C%20Cary%22)**, (**[**MUONS Inc., Batavia**](http://www.slac.stanford.edu/spires/find/inst/www?icncp=MUONS+Inc.,+Batavia)**) ,** [**Milorad Popovic**](http://www.slac.stanford.edu/spires/find/wwwhepau/wwwscan?rawcmd=fin+%22Popovic%2C%20Milorad%22)**, (**[**Fermilab**](http://www.slac.stanford.edu/spires/find/inst/www?icncp=Fermilab)**) . IPAC-2010-MOPEA043, May 2010.   
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**Accelerator-Driven Subcritical Reactors**

**Accelerators for Subcritical Molten-Salt Reactors**

Roland Johnson, Muons, Inc. Colloquium at Fermilab, Aug. 3, 2011

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**Accelerators for Subcritical Molten Salt Reactors**

Rolland Paul Johnson (Muons, Inc, Batavia), Charles Bowman (ADNA, Los Alamos, New Mexico). PAC-2011-THP034, Mar 2011

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**High Power SRF Linacs for ADS Reactors.**[**Rolland Johnson**](http://www.slac.stanford.edu/spires/find/wwwhepau/wwwscan?rawcmd=fin+%22Johnson%2C%20Rolland%22)**, (**[**MUONS Inc., Batavia**](http://www.slac.stanford.edu/spires/find/inst/www?icncp=MUONS+Inc.,+Batavia)**) ,** [**Charles Ankenbrandt**](http://www.slac.stanford.edu/spires/find/wwwhepau/wwwscan?rawcmd=fin+%22Ankenbrandt%2C%20Charles%22)**, (**[**MUONS Inc., Batavia**](http://www.slac.stanford.edu/spires/find/inst/www?icncp=MUONS+Inc.,+Batavia)**) ,** [**Milorad Popovic**](http://www.slac.stanford.edu/spires/find/wwwhepau/wwwscan?rawcmd=fin+%22Popovic%2C%20Milorad%22)**, (**[**Fermilab**](http://www.slac.stanford.edu/spires/find/inst/www?icncp=Fermilab)**) . IPAC-2010-MOPEA041, May 2010.   
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**HTS Magnets**

**Fabrication and test of short helical solenoid model based on YBCO tape.  
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Prepared for Cryogenic Engineering Conference and International Cryogenic Materials Conference, Tucson, Arizona, 28 Jun - 2 Jul 2009.   
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**Roebel Cable for High-field Low-loss Accelerator Magnets.**[**Melanie Turenne**](http://www.slac.stanford.edu/spires/find/wwwhepau/wwwscan?rawcmd=fin+%22Turenne%2C%20Melanie%22)**, (**[**MUONS Inc., Batavia**](http://www.slac.stanford.edu/spires/find/inst/www?icncp=MUONS+Inc.,+Batavia)**) ,** [**Rolland Johnson**](http://www.slac.stanford.edu/spires/find/wwwhepau/wwwscan?rawcmd=fin+%22Johnson%2C%20Rolland%22)**, (**[**MUONS Inc., Batavia**](http://www.slac.stanford.edu/spires/find/inst/www?icncp=MUONS+Inc.,+Batavia)**) ,** [**Frank Hunte**](http://www.slac.stanford.edu/spires/find/wwwhepau/wwwscan?rawcmd=fin+%22Hunte%2C%20Frank%22)**, (**[**North Carolina State U.**](http://www.slac.stanford.edu/spires/find/inst/www?icncp=North+Carolina+State+U.)**) ,** [**Justin Schwartz**](http://www.slac.stanford.edu/spires/find/wwwhepau/wwwscan?rawcmd=fin+%22Schwartz%2C%20Justin%22)**, (**[**North Carolina State U.**](http://www.slac.stanford.edu/spires/find/inst/www?icncp=North+Carolina+State+U.)**) ,** [**Honghai Song**](http://www.slac.stanford.edu/spires/find/wwwhepau/wwwscan?rawcmd=fin+%22Song%2C%20Honghai%22)**, (**[**Natl. High Mag. Field Lab.**](http://www.slac.stanford.edu/spires/find/inst/www?icncp=Natl.+High+Mag.+Field+Lab.)**) . IPAC-2010-MOPEB057, May 2010.   
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**YBCO Conductor Technology for High Field Muon Cooling Magnets.**[**S.A. Kahn**](http://www.slac.stanford.edu/spires/find/wwwhepau/wwwscan?rawcmd=fin+%22Kahn%2C%20S%2EA%2E%22)**,** [**G. Flanagan**](http://www.slac.stanford.edu/spires/find/wwwhepau/wwwscan?rawcmd=fin+%22Flanagan%2C%20G%2E%22)**,** [**R.P. Johnson**](http://www.slac.stanford.edu/spires/find/wwwhepau/wwwscan?rawcmd=fin+%22Johnson%2C%20R%2EP%2E%22)**,** [**M. Turenne**](http://www.slac.stanford.edu/spires/find/wwwhepau/wwwscan?rawcmd=fin+%22Turenne%2C%20M%2E%22)**, (**[**MUONS Inc., Batavia**](http://www.slac.stanford.edu/spires/find/inst/www?icncp=MUONS+Inc.,+Batavia)**) ,** [**F. Hunte**](http://www.slac.stanford.edu/spires/find/wwwhepau/wwwscan?rawcmd=fin+%22Hunte%2C%20F%2E%22)**,** [**J. Schwartz**](http://www.slac.stanford.edu/spires/find/wwwhepau/wwwscan?rawcmd=fin+%22Schwartz%2C%20J%2E%22)**, (**[**North Carolina State U.**](http://www.slac.stanford.edu/spires/find/inst/www?icncp=North+Carolina+State+U.)**) . IPAC-2010-394-396, IPAC-2010-MOPEB055, May 2010. 3pp.   
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**Multi-purpose Fiber Optic Sensors for HTS Magnets.**[**J. Schwartz**](http://www.slac.stanford.edu/spires/find/wwwhepau/wwwscan?rawcmd=fin+%22Schwartz%2C%20J%2E%22)**, (**[**Natl. High Mag. Field Lab.**](http://www.slac.stanford.edu/spires/find/inst/www?icncp=Natl.+High+Mag.+Field+Lab.)**) ,** [**R.P. Johnson**](http://www.slac.stanford.edu/spires/find/wwwhepau/wwwscan?rawcmd=fin+%22Johnson%2C%20R%2EP%2E%22)**,** [**Stephen A. Kahn**](http://www.slac.stanford.edu/spires/find/wwwhepau/wwwscan?rawcmd=fin+%22Kahn%2C%20Stephen%20A%2E%22)**,** [**M. Kuchnir**](http://www.slac.stanford.edu/spires/find/wwwhepau/wwwscan?rawcmd=fin+%22Kuchnir%2C%20M%2E%22)**, (**[**MUONS Inc., Batavia**](http://www.slac.stanford.edu/spires/find/inst/www?icncp=MUONS+Inc.,+Batavia)**) . EPAC08-WEPD023, Jun 25, 2008. 3pp.   
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**Muon Cooling: Parametric-resonance Ionization Cooling**

**Epicyclic Twin-Helix Ionization Cooling Simulations**

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**Correcting Aberrations in Complex Magnet Systems for Muon Cooling Channels**

James Anthony Maloney, Bela Erdelyi [on leave] (Northern Illinois University, DeKalb, Illinois), Yaroslav Serg Derbenev [on leave] (JLAB, Newport News, Virginia), Andrei Afanasev [on leave], Rolland Paul Johnson [on leave] (Muons, Inc, Batavia), Vasiliy Morozov [on leave] (ODU, Norfolk, Virginia). PAC 2011-WEP074 Mar. 2011

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**Muon Cooling: Demonstration Experiment**

**The MANX Muon Cooling Experiment Detection System.**[**S.A. Kahn**](http://www.slac.stanford.edu/spires/find/wwwhepau/wwwscan?rawcmd=fin+%22Kahn%2C%20S%2EA%2E%22)**,** [**R.J. Abrams**](http://www.slac.stanford.edu/spires/find/wwwhepau/wwwscan?rawcmd=fin+%22Abrams%2C%20R%2EJ%2E%22)**,** [**C. Ankenbrandt**](http://www.slac.stanford.edu/spires/find/wwwhepau/wwwscan?rawcmd=fin+%22Ankenbrandt%2C%20C%2E%22)**,** [**M.A.C. Cummings**](http://www.slac.stanford.edu/spires/find/wwwhepau/wwwscan?rawcmd=fin+%22Cummings%2C%20M%2EA%2EC%2E%22)**,** [**R.P. Johnson**](http://www.slac.stanford.edu/spires/find/wwwhepau/wwwscan?rawcmd=fin+%22Johnson%2C%20R%2EP%2E%22)**,** [**T.J. Roberts**](http://www.slac.stanford.edu/spires/find/wwwhepau/wwwscan?rawcmd=fin+%22Roberts%2C%20T%2EJ%2E%22)**, (**[**MUONS Inc., Batavia**](http://www.slac.stanford.edu/spires/find/inst/www?icncp=MUONS+Inc.,+Batavia)**) ,** [**K. Yonehara**](http://www.slac.stanford.edu/spires/find/wwwhepau/wwwscan?rawcmd=fin+%22Yonehara%2C%20K%2E%22)**, (**[**Fermilab**](http://www.slac.stanford.edu/spires/find/inst/www?icncp=Fermilab)**) . Jul 2009. 4pp.   
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# A Complete Scheme for a Muon Collider

Robert B. Palmer, J. Scott Berg, Richard C. Fernow, Juan Carlos Gallardo, Harold G. Kirk

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**Muon Collider: Simulations**

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**Muon Collider: Capture**

**Muon capture for the front end of a μ+μ- collider.  
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**Muon Collider: Reverse Emittance Exchange**

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**WIDE BEAM ELECTRON ACCELERATORS FOR INDUSTRIAL APPLICATIONS**

**Sergey Korenev and Rolland P. Johnson**

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**PULSED LOW ENERGY ELECTRON SOURCES FOR MATERIAL SURFACE MODIFICATIONS. A. Korenev and R. P. Johnson**

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