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[23](http://www.slac.stanford.edu/spires/find/hep/www?irn=8804494)) **High Brightness Surface Plasma Sources of Negative Hydrogen Ions.**
[Vadim Dudnikov](http://www.slac.stanford.edu/spires/find/wwwhepau/wwwscan?rawcmd=fin+%22Dudnikov%2C%20Vadim%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)) , [Martin Stockli](http://www.slac.stanford.edu/spires/find/wwwhepau/wwwscan?rawcmd=fin+%22Stockli%2C%20Martin%22), ([Oak Ridge](http://www.slac.stanford.edu/spires/find/inst/www?icncp=Oak+Ridge)) , [Robert Welton](http://www.slac.stanford.edu/spires/find/wwwhepau/wwwscan?rawcmd=fin+%22Welton%2C%20Robert%22), ([Oak Ridge](http://www.slac.stanford.edu/spires/find/inst/www?icncp=Oak+Ridge)) . IPAC-2010-THPEC072, May 2010.
*In the Proceedings of 1st International Particle Accelerator Conference: IPAC'10, Kyoto, Japan, 23-28 May 2010, pp THPEC072*.

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[24](http://www.slac.stanford.edu/spires/find/hep/www?irn=8804486)) **Highly Polarized Ion Sources for Electron Ion Colliders EIC.**
[Vadim Dudnikov](http://www.slac.stanford.edu/spires/find/wwwhepau/wwwscan?rawcmd=fin+%22Dudnikov%2C%20Vadim%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)) , [Yaroslav Derbenev](http://www.slac.stanford.edu/spires/find/wwwhepau/wwwscan?rawcmd=fin+%22Derbenev%2C%20Yaroslav%22), ([JLAB, FEL](http://www.slac.stanford.edu/spires/find/inst/www?icncp=JLAB,+FEL)) , [Yuhong Zhang](http://www.slac.stanford.edu/spires/find/wwwhepau/wwwscan?rawcmd=fin+%22Zhang%2C%20Yuhong%22), ([JLAB, FEL](http://www.slac.stanford.edu/spires/find/inst/www?icncp=JLAB,+FEL)) . IPAC-2010-THPEC071, May 2010.
*In the Proceedings of 1st International Particle Accelerator Conference: IPAC'10, Kyoto, Japan, 23-28 May 2010, pp THPEC071*.

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[25](http://www.slac.stanford.edu/spires/find/hep/www?irn=8803820)) **Adjustable High Power Coax RF Coupler with No 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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[Full-text at JACoW Server](http://accelconf.web.cern.ch/AccelConf/IPAC10/papers/thpeb059.pdf)

[Conference Info](http://www.slac.stanford.edu/spires/find/conf/www?rawcmd=fin+cnum+C10/05/23)

[Bookmarkable link to this information](http://www.slac.stanford.edu/spires/find/hep/www?j=CONFP,C100523,THPEB059)

[26](http://www.slac.stanford.edu/spires/find/hep/www?irn=8797846)) **Advanced Multi-program GUI for Accelerator Modeling.**
[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)) , [Daniel Kaplan](http://www.slac.stanford.edu/spires/find/wwwhepau/wwwscan?rawcmd=fin+%22Kaplan%2C%20Daniel%22), ([IIT, Chicago](http://www.slac.stanford.edu/spires/find/inst/www?icncp=IIT,+Chicago)) . IPAC-2010-TUPEC062, May 2010.
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[27](http://www.slac.stanford.edu/spires/find/hep/www?irn=8797455)) **Improved DC Gun Insulator Assembly.**
[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)) , [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)) , [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)) , [Matt Poelker](http://www.slac.stanford.edu/spires/find/wwwhepau/wwwscan?rawcmd=fin+%22Poelker%2C%20Matt%22), ([JLAB, FEL](http://www.slac.stanford.edu/spires/find/inst/www?icncp=JLAB,+FEL)) , [Kenneth Surles-Law](http://www.slac.stanford.edu/spires/find/wwwhepau/wwwscan?rawcmd=fin+%22Surles%2DLaw%2C%20Kenneth%22), ([JLAB, FEL](http://www.slac.stanford.edu/spires/find/inst/www?icncp=JLAB,+FEL)) . IPAC-2010-TUPEC019, May 2010.
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[28](http://www.slac.stanford.edu/spires/find/hep/www?irn=8793395)) **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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[29](http://www.slac.stanford.edu/spires/find/hep/www?irn=8792682)) **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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[30](http://www.slac.stanford.edu/spires/find/hep/www?irn=8792674)) **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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[31](http://www.slac.stanford.edu/spires/find/hep/www?irn=8792666)) **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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[32](http://www.slac.stanford.edu/spires/find/hep/www?irn=8792658)) **Epicyclic Twin-helix Magnetic Structure for Parametric-resonance Ionization Cooling.**
[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)) , [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)) , [Yaroslav Derbenev](http://www.slac.stanford.edu/spires/find/wwwhepau/wwwscan?rawcmd=fin+%22Derbenev%2C%20Yaroslav%22), ([JLAB, FEL](http://www.slac.stanford.edu/spires/find/inst/www?icncp=JLAB,+FEL)) , [Vasiliy Morozov](http://www.slac.stanford.edu/spires/find/wwwhepau/wwwscan?rawcmd=fin+%22Morozov%2C%20Vasiliy%22), ([Old Dominion U.](http://www.slac.stanford.edu/spires/find/inst/www?icncp=Old+Dominion+U.)) . IPAC-2010-MOPEA042, May 2010.
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[A. Afanasev](http://www.slac.stanford.edu/spires/find/wwwhepau/wwwscan?rawcmd=fin+%22Afanasev%2C%20A%2E%22), ([Hampton U.](http://www.slac.stanford.edu/spires/find/inst/www?icncp=Hampton+U.) & [MUONS Inc., Batavia](http://www.slac.stanford.edu/spires/find/inst/www?icncp=MUONS+Inc.,+Batavia)) , [A. Bogacz](http://www.slac.stanford.edu/spires/find/wwwhepau/wwwscan?rawcmd=fin+%22Bogacz%2C%20A%2E%22), [Y. Derbenev](http://www.slac.stanford.edu/spires/find/wwwhepau/wwwscan?rawcmd=fin+%22Derbenev%2C%20Y%2E%22), ([Jefferson Lab](http://www.slac.stanford.edu/spires/find/inst/www?icncp=Jefferson+Lab)) , [K.B. Beard](http://www.slac.stanford.edu/spires/find/wwwhepau/wwwscan?rawcmd=fin+%22Beard%2C%20K%2EB%2E%22), [V. Ivanov](http://www.slac.stanford.edu/spires/find/wwwhepau/wwwscan?rawcmd=fin+%22Ivanov%2C%20V%2E%22), [R.P. Johnson](http://www.slac.stanford.edu/spires/find/wwwhepau/wwwscan?rawcmd=fin+%22Johnson%2C%20R%2EP%2E%22), [G. Wang](http://www.slac.stanford.edu/spires/find/wwwhepau/wwwscan?rawcmd=fin+%22Wang%2C%20G%2E%22), ([MUONS Inc., Batavia](http://www.slac.stanford.edu/spires/find/inst/www?icncp=MUONS+Inc.,+Batavia)) . PAC09-FR5RFP012, May 2009. 2pp.
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[62](http://www.slac.stanford.edu/spires/find/hep/www?irn=8692149)) **Particle Tracking in Matter Dominated Beam Lines.**
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