

## K.B. Beard's selected publications

### **Generation of gamma ray beams with tunable energy by annihilation of positrons in flight,**

R.J.Abrahms, et al, *submitted to Phys. Rev. ST Accel. Beams*

### **Linear fixed-field multipass arcs for recirculating linear accelerators**

V. S. Morozov, S. A. Bogacz, Y. R. Roblin, and K. B. Beard

Phys. Rev. ST Accel. Beams **15**, 060101 (2012)

### **Beam dynamics studies for transverse electromagnetic mode type rf deflectors**

Shahid Ahmed, Geoffrey A. Krafft, Kirsten Deitrick, Subashini U. De Silva, Jean R. Delayen, Mike Spata, Michael Tiefenback, Alicia Hofler, and Kevin Beard

Phys. Rev. ST Accel. Beams **15**, 022001 (2012)

### **G4beamline Particle Tracking in Matter Dominated Beam Lines**

PAC11 Proceedings MOP152

T.J.Roberts, et al

### **Matched Optics of Muon RLA and Non-Scaling FFAG Arcs**

PAC11 Proceedings MOP052

V.S.Morozov et al

### **Pulsed Magnet Arc Designs for Recirculating Linac Muon Accelerators**

PAC09 Proceedings TH5PFP074

K.Beard, et al

### **Laser Stripping for H- Injection**

PAC09 Proceedings TH5PFP074

K.Beard, et al

### **Putting Spacecharge into G4beamline**

PAC09 Proceedings TH5PFP074

K.Beard, et al

### **G4beamline Program for Radiation Simulations**

EPAC08 Proceedings MOPD017

K.Beard, et al

### **Experimental Limit on Optical-Photon Coupling to Light Neutral Scalar Bosons**

Phys. Rev. Lett. 101, 120401 (2008)

A.Afanasev, et al

**lipss5: software for the Light Pseudoscalar or Scalar Search**

Jefferson Lab technical note JLAB-TN-07-012

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**Simulations of Parametric Resonance Ionization Cooling of Muon Beams**

PAC05 Proceedings TPPP013

K.Beard, et al

**First observations and suppression of multipass, multibunch beam breakup in the Jefferson Laboratory free electron laser upgrade**

Christopher D. Tennant, Kevin B. Beard, David R. Douglas, Kevin C. Jordan, Lia Merminga, Eduard G. Pozdeyev, and Todd I. Smith

Phys. Rev. ST Accel. Beams 8, 074403 (2005)

**Estimates of the Beam Breakup Thresholds in the 10KW FEL due to HOMs**

Jefferson Lab technical note JLAB-TN-02-042

K.B. Beard, L. Merminga, B. Yunn

**Parmela\_fel0.2: FEL Injector Simulation**

Jefferson Lab technical note JLAB-TN-03-028,

K. B. Beard, B. Yunn, C. H. Garcia

**Measurement of the Polarization of a Pulsed Electron Beam with a Moller Polarimeter in the Coincidence Mode**

K.B.Beard, et al,

Nucl. Instr. and Meth. A361 (1995) 46-52

**Electric Form Factor of the Neutron from the  $d(\vec{e},e'\vec{n})p$  Reaction at  $Q^2 = 0.25$  (GeV/c)<sup>2</sup>**

T.Eden, et al,

Phys. Rev. C 50 (1994) R1749

**The MIW Detector- A MWPC for Inclined Trajectories,**

K.B.Beard, W.Benenson, E.Kashy, J.van der Plicht, and J.Yurkon,

Nuc. Inst. and Meth. A246 (1986) 296

**Observations of High Energy Gamma Rays in Intermediate Energy Nucleus-Nucleus Collisions,**

K.B.Beard, W.Benenson, C.Bloch, E.Kashy, J.Stevenson, D.J.Morrissey, J.van der Plicht, B.Sherrill, and J.S.Winfield,

Phys. Rev. C 32 (1985) 1111