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Physics Research Section A: Accelerators, Spectrometers, Detectors and Dynamics of intense particle beam in axial Yuri K. Batygin; Abstract PDF (1767)

## **Accelerator physics (physics.acc-ph)**

Fluid Dynamics; Geophysics; Atomic Physics; Plasma Physics; Medical Physics; Instrumentation and Detectors; Accelerator Physics; Atmospheric and Oceanic Physics;

## **Nlc target heating tech note 6-01**

NLC Positron Target Heating D. C. Schultz, Y. K. Batygin, J.C. Sheppard Stanford Linear Accelerator Center The NLC requires an intense beam with a large

## **Issuu - astec science highlights 2013 - 1014 by**

ASTeC Science Highlights 2013 - 1014. mathematical modelling of intense particle beams in particular for his accelerators, to advanced beam dynamics

### **Dynamics of intense particle beam in -**

Abstract. Axial-symmetric magnetic field is often used in focusing of particle beams. Most existing ion Low Energy Beam Transport lines are based on solenoid focusing.

### **25 1998, draft 4 - jinr**

Streak Camera for Measurements of Particle Beam Dynamics. Two Beam Accelerator Driver Based on Linear RIKEN RI Beam Factory Project. Yuri K. Batygin and

### **Ieee xplore abstract (keywords) - design studies**

Batygin, Yuri K.; Stanford Linear Accelerator Center, particle beam dynamics; Linear particle accelerator;

### **Intense charged particle beams - ieee conferences**

Intense Charged Particle Beams Information on IEEE's Technology Navigator. The transverse compression and dynamics of intense charged particle beams,

### **- viniti**

monitoring a trigger timing distribution system in linear accelerators T Dynamics of intense particle beam in axial-symmetric magnetic field Yuri K. Batygin

### **Citeseerx citation query the physics of charged-**

The Physics of Charged-Particle Beams by Yuri K. Batygin dominated beam dynamics study in linear particle accelerators and beam transport

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### **Particle-in-cell code beampath for beam dynamics**

Batygin, Yuri K. Affiliation: AA charge dominated beam dynamics study in linear particle accelerators and beam transport as the results of beam dynamics

### **Particle-in-cell simulation of rfq in ssc - linac**

You-Jin, Yuan; Yong, Liu; Jia-Wen, Xia; Yuan-Rong, Lu; Batygin, Yuri: Publication linear accelerator using 3-dimensional particle-in-cell

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### **Beam dynamics in a spectrometer for the polarized**

Beam Dynamics in a Spectrometer for the Polarized Positron Production Experiment; Batygin, Yuri K.; 43 PARTICLE ACCELERATORS; BEAM DYNAMICS;

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### **Yuri batygin (2015) dynamics of intense particle**

Yuri Batygin (2015) Dynamics of Intense Particle Beams in Linear Accelerators; 9810240279; World Scientific Publishing Co

### **Stationary relativistic bunch in**

STATIONARY RELATIVISTIC BUNCH IN SPACE Yuri K. Batygin Stanford Linear Accelerator indicates that the stationary particle distribution of the bright beam

### **Highlights from indianapolis: trapped francium,**

Highlights from Indianapolis: Trapped Francium, Energy Alternatives, Linear Accelerator or proton and helium beams from particle accelerators to heat

### **U.s. particle accelerator school | course**

Materials from USPAS particle accelerator school Effects in Beam Dynamics by Giovanni Transport and Acceleration by Yuri Batygin: 2010, January : Accelerator

### **Physical review special topics - accelerators and**

Physical Review Special Topics - Accelerators and Beams is a charged particle beams in a linear an intense, unbunched ion beam in a linear

### **Image-charge effects on the envelope dynamics of**

Image-charge effects on the envelope dynamics of an unbunched intense charged-particle beam

### **Self-consistent particle distribution of a bunched**

Self-consistent particle distribution of a bunched beam in RF field Yuri K. Batygin Stanford Linear Accelerator Center charge forces on beam dynamics.

### **Scitech connect: effect of numerical noise on beam**

Effect of Numerical Noise on Beam Emittance Growth in PIC Code; Batygin, Yuri K Publication Date: 43 PARTICLE ACCELERATORS; BEAM DYNAMICS; BEAM EMITTANCE;

### **5th international particle accelerator conference**

5th International Particle Accelerator Deutsches Elektronen-Synchrotron of Halo Formation in Space Charge Dominated Beams Yuri Batygin,

### **Citeulike: papadopc's library 53 articles**

The transverse dynamics of an intense charged particle beam Electron beams in modern linear accelerators are

### **Design studies of positron collection for the nlc**

DESIGN STUDIES OF POSITRON COLLECTION FOR THE NLC\* David C. Schultz, John C. Sheppard Stanford Linear Accelerator Center, 3 BEAM DYNAMICS IN INJECTOR

### **Precession of the polarization of particles moving**

Spin-polarized charged particle beams in high-energy accelerators in linear accelerators and beamlines - Batygin, beam dynamics in accelerators

### **21st ieee particle accelerator conference - cern**

Anisotropy-Driven Instability in Intense Charged Particle Beams (p. 558 Non-Linear Beam Dynamics in High Resolution Multi CERN Document Server

### **Connecting quarks with the cosmos: eleven science**

Fermi National Accelerator Laboratory. OMNIS, Yuri Kamyshev, University of Tennessee. Oak Ridge Electron Linear Accelerator:

## **Design studies of positron collection for the nlc**

Stanford Linear Accelerator Center, DESIGN STUDIES OF POSITRON COLLECTION FOR THE NLC\* Yuri K. Batygin,

## **The envelope dynamics of intense charge particle**

Scitation: The envelope dynamics of intense charge particle beams in a FODO channel

## **[1002.1328] particle-in-cell simulation of rfq in**

A 52MHz Radio Frequency Quadrupole (RFQ) linear accelerator (linac) Beam dynamics study in RFQ was done using 3-dimensional particle-in Yuri Batygin [v1

## **3 - jinr**

For generation of intense beams of The code MCIB04 was used for the heavy ion beam dynamics The beam diagnostics along the linear accelerator are

## **Wolfgang k.h. panofsky: scientist and arms-control**

Wolfgang K.H. Panofsky: Scientist and Arms-Control linear accelerator with a maximum beam energy of 1 the form of intense laser or particle beams,

## **A particle-in-cell scheme of the rfq in the**

linear accelerator The beam dynamics in this RFQ have been studied using a A particle-in-cell mode beam dynamics simulation of medium energy beam

## **Aps physics | dpb | aps fellowship**

DPB Deadline for APS Fellowship to explain observed nonlinear beam dynamics in particle accelerators, to non-linear beam dynamics and beam

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Batygin, Yuri: High-Intensity RF Linear Accelerators: Intense Particle Beam Accelerators: 1995W: Nonlinear Dynamics in Particle Accelerators: 1994S: Ruth,

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