

I. Batalov (Moscow, MIPT), A. Valishev (Fermilab)

beam size in the linear part of the accelerator was proposed.

arXiv.org > physics > arXiv:1205.1531

Physics > Accelerator Physics

(Submitted on 7 May 2012)

(<u>Help</u> | <u>Advance</u> All papers

Download:

Search or Article-id

• PDF only

Current browse cont physics.acc-ph < prev | next > new | recent | 1205

Change to browse b

physics

References & Citatio

- INSPIRE HEP
- (refers to | cited by)NASA ADS



Comments:10 ppSubjects:Accelerator Physics (physics.acc-ph)Report number:FERMILAB-TM-2519-APCCite as:arXiv:1205.1531 [physics.acc-ph](or arXiv:1205.1531v1 [physics.acc-ph] for this version)

Stability of non-linear integrable accelerator

The stability of non-linear Integrable Optics Test Accelerator (IOTA) model was tested. The area of

determine whether a dynamic aperture limitation present in the system. The system was also tested

with sextupoles included in the machine for chromaticity compensation. A method of evaluation of the

function of non-linear lens strength. Particle loss as a function of turn number was analyzed to

the stable region in transverse coordinates and the maximum attainable tune spread were found as a

Submission history

From: Valishev, Alexander A. [view email] [via ROB proxy] [v1] Mon, 7 May 2012 20:20:43 GMT (3227kb)

Which authors of this paper are endorsers?

Link back to: arXiv, form interface, contact.