

Title (en)

Charged particle beamline with switchable photon properties using two insertion devices, parallel beam displacement and single focusing optics

Title (de)

Beladenteilchenstrahlzuführung mit schaltbaren Photoneigenschaften durch zwei Einfügungsvorrichtungen, Parallelstrahlbewegung und Punkt-Fokus-Optik

Title (fr)

Installation de guidage de faisceaux de particules chargées avec caractéristiques de commutation des photons par utilisation de deux dispositifs d'insertion, déplacement parallèle des faisceaux et optique à foyer unique

Publication

EP 1014762 A1 20000628 (EN)

Application

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Priority

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Abstract (en)

An arrangement for producing parallelly displaced beams of photons of different properties from a single beam of charged particles comprises at least means (ID1, ID2) for producing beams (1', 2') of photons of different properties with small divergence (θ) from and parallel to the single charged particle beam. In addition, the arrangement comprises means (3, 5, 7) for parallel displacement of the single charged beam into or within the means for producing the photon beams and focusing means (11) for focusing the photon beams onto the same image plane. <IMAGE>

IPC 1-7

H05H 7/04

IPC 8 full level

H05H 7/04 (2006.01)

CPC (source: EP)

H05H 7/04 (2013.01)

Citation (search report)

- [A] MARTYNOV V V ET AL: "Elliptically polarizing undulator beamline 4.0.1 for magnetic spectroscopy at the Advanced Light Source", OPTICS FOR HIGH-BRIGHTNESS SYNCHROTRON RADIATION BEAMLINES II, DENVER, CO, USA, 6-7 AUG. 1996, vol. 2856, ISSN 0277-786X, Proceedings of the SPIE - The International Society for Optical Engineering, 1996, SPIE-Int. Soc. Opt. Eng, USA, pages 289 - 299, XP002104582
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