

1. Record Nr.	UNINA9910961800903321
Autore	Annenkov A. N
Titolo	Mass growth of large PbWO ₄ single crystals for particle detection in high-energy experiments at CERN / / A.N. Annenkov, Yu.S. Kuz'minov
Pubbl/distr/stampa	Cambridge, UK, : Cambridge International Science Publishing, 2009
ISBN	1-907343-03-2
Descrizione fisica	1 online resource (118 p.)
Altri autori (Persone)	Kuz'minovIU. S (IUrii Sergeevich)
Soggetti	Crystal growth Inorganic scintillators Particles (Nuclear physics)
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references (p. 102-106) and index.
Nota di contenuto	""Contents""; ""Preface""; ""Introduction""; ""1. Application of crystalline scintillators in high-energy physics""; ""2. Control of defect formation in lead tungstate crystals""; ""3. Technology for mass production of lead tungstate single crystals""; ""4. A quality control system in mass production of lead tungstate crystals""; ""Conclusions""; ""References""; ""Index""
Sommario/riassunto	A unique book describing the development of systems for mass production of lead tungstate crystals for high-energy physics experiments at CERN, Geneva. The properties of the crystals, characteristics of growth equipment and, in particular, quality control of described are described in detail. The book will be of considerable interest to crystal growth experts and scientists working in the area of high-energy physics.