

1. Record Nr.	UNINA9910460085403321
Titolo	Unmaking the bomb : a fissile material approach to nuclear disarmament and nonproliferation / / Harold Feiveson [and three others]
Pubbl/distr/stampa	Cambridge, Massachusetts ; ; London, England : , : The MIT Press, , 2014 ©2014
ISBN	0-262-52972-6 0-262-31918-7
Descrizione fisica	1 online resource (296 p.)
Disciplina	327.1/747
Soggetti	Nuclear nonproliferation Nuclear disarmament Nuclear fuels - Management Nuclear fuels - Security measures Electronic books.
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 and index.
Nota di contenuto	Production, uses and stocks of nuclear-weapon materials -- The history of fissile-material production for weapons -- The global stockpile of fissile material -- Fissile materials, nuclear power, and nuclear proliferation -- Ending the separation of plutonium -- Ending the use of heu as a reactor fuel -- Ending production of fissile materials for weapons -- Disposal of fissile materials -- Conclusion : meeting the fissile material challenge.
Sommario/riassunto	The global stockpile, continued production and use of plutonium and highly enriched uranium facilitates proliferation, increases the risk of nuclear terrorism and is an obstacle to achieving irreversible nuclear disarmament. The book explains how these materials are used, describes the histories of fissile material production for weapons, provides an overview of the current global stockpile of roughly 1900 tons of plutonium and highly enriched uranium, and discusses the dangers associated with plutonium separation (reprocessing) and

uranium enrichment.
