

1. Record Nr.	UNINA9910349513103321
Titolo	Nuclei in the Cosmos XV // edited by Alba Formicola, Matthias Junker, Lucio Gialanella, Gianluca Imbriani
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2019
ISBN	3-030-13876-3
Edizione	[1st ed. 2019.]
Descrizione fisica	1 online resource (495 pages)
Collana	Springer Proceedings in Physics, , 0930-8989 ; ; 219
Disciplina	523.0197
Soggetti	Astrophysics Nuclear chemistry Nuclear physics Heavy ions Observations, Astronomical Astronomy—Observations Cosmology Astrophysics and Astroparticles Nuclear Chemistry Nuclear Physics, Heavy Ions, Hadrons Astronomy, Observations and Techniques
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Cosmology and big bang nucleosynthesis -- Stellar contributions to the chemical evolution, hydrostatic and explosive nucleosynthesis -- Neutrino and nucleus interaction in the cosmos -- Physics of nuclei far from stability -- Synthesis of heavy elements -- Direct observation of nucleosynthesis in stars -- Study of extra terrestrial materials -- Nucleosynthesis in extreme environments -- Techniques, tools and facilities for nuclear astrophysics -- Nuclear data for astrophysical applications -- Special topic: particle astrophysics and rare events in cosmos.
Sommario/riassunto	These peer-reviewed NIC XV conference proceedings present the latest major advances in nuclear physics, astrophysics, astronomy,

cosmochemistry and neutrino physics, which provide the necessary framework for a microscopic understanding of astrophysical processes. The book also discusses future directions and perspectives in the various fields of nuclear astrophysics research. In addition, it also includes a limited number of section of more general interest on double beta decay and dark matter.

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