

Nuclei in the Cosmos (NIC XVII)



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ChETEC-INFRA: An EU-supported Starting Community of Research Infrastructures for Nuclear Astrophysics, 2021-2025

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ChETEC-INFRA networks complementary types of research infrastructures to study the origin of the chemical elements in the cosmos: nuclear laboratories supply data on reactions of astrophysical interest, optical telescopes and accelerator mass spectrometers collect elemental and isotopic abundance data, and high-performance computing facilities perform stellar structure and nucleosynthesis calculations. The Transnational Access program of ChETEC-INFRA offers access to 13 European facilities, free of charge and open to scientific users worldwide. Joint Research Activities aim to improve usability and reduce barriers of access for efficient utilization of these facilities, and Networking Activities focus on strengthening networks within the scientific community using such facilities. An overview of the activities of ChETEC-INFRA, its transnational access program, activities and selected results will be presented. –Supported by the European Union (Horizon2020), grant agreement no. 101008324 (ChETEC-INFRA).

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Track Classification: Others (new facilities, instruments, tools, etc)