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Altri autori (Persone)	BelliniGianpaolo
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stars; Introduction; Neutrinos from ordinary stars; Some basics of stellar evolution; Neutrino emission processes; Neutrino electromagnetic properties; Globular clusters testing stellar evolution and particle physics; White dwarf cooling; Neutrinos from the Sun; Solar neutrino measurements and flavor oscillations; Helioseismology and the solar opacity problem; Sun as a particle source; Supernova neutrinos; Classification of supernovae; Explosion mechanism Characteristics of neutrino signal Supernova 1987A and its neutrino signal; Neutrinos from the next nearby supernova; Diffuse supernova neutrino background (DSNB); Particle physics constraints and future possibilities; Flavor oscillations of SN neutrinos; Conclusion; High energy neutrinos and cosmic rays; Galactic and extragalactic primary cosmic radiation: a short overview; Cosmic ray acceleration; Shock acceleration; Maximal acceleration energy; Application to particle acceleration in gamma-ray bursts; Anisotropies and nature of the sources; Propagation and deflection; Galactic cosmic rays Extragalactic cosmic rays Chemical composition; High energy neutrino detection; High energy neutrino fluxes; Methods and problems in low-energy neutrino experiments (solar, reactors, geo-); Introduction; Solar neutrinos; Radiochemical method; Cherenkov detector; SNO; Super-Kamiokande; Scintillation technique; Borexino; Other experiments; Global physics results; Geoneutrinos; Conclusions; Methods and problems in neutrino observatories; Introduction; Cosmic Accelerators and neutrino astronomy; UHE CR cosmic ray connection; AGN blazar accelerator; Atmospheric neutrinos; CR muon background Strong ET neutrino discrimination
