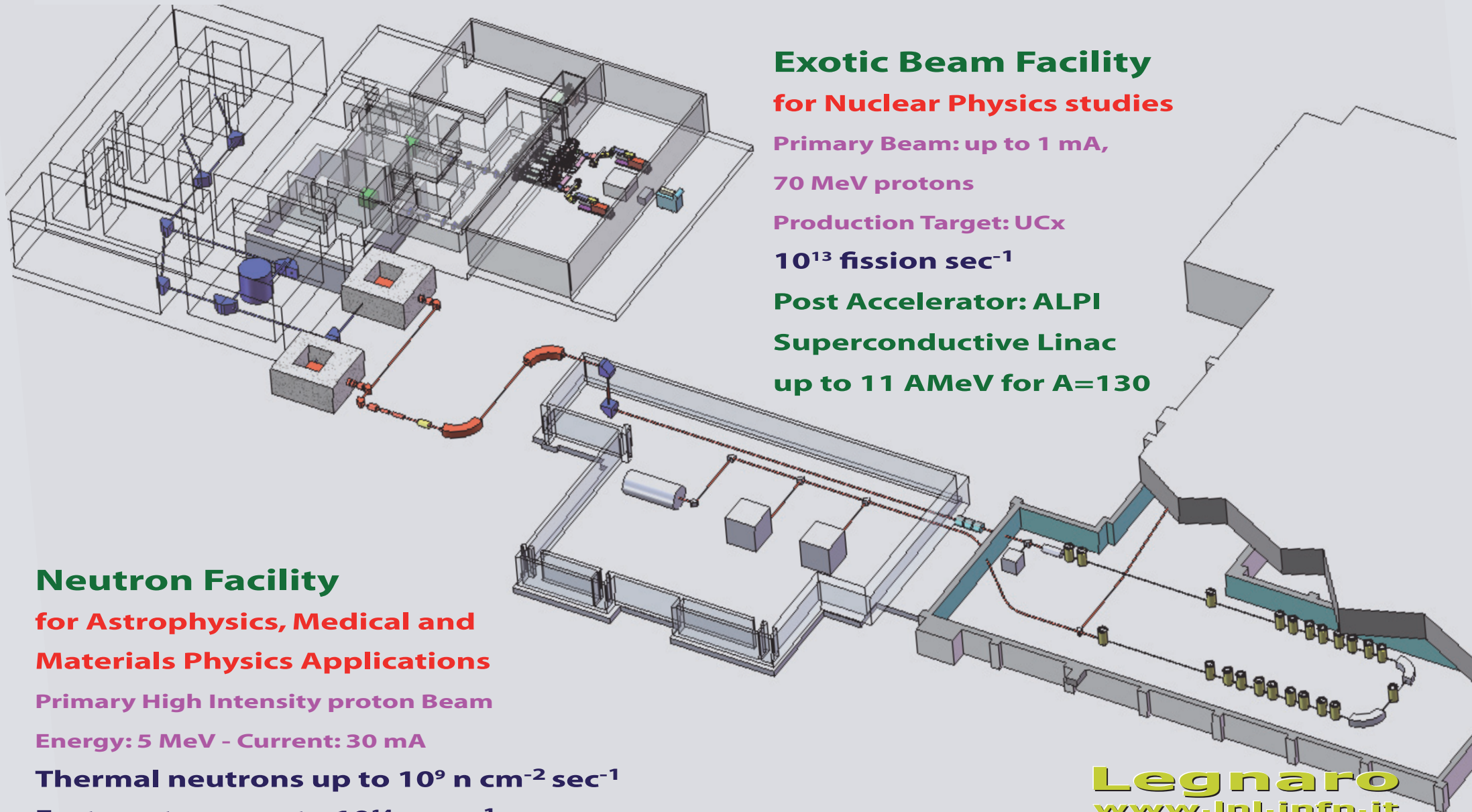


Selective Production of Exotic Species at LNL



Neutron Facility

for Astrophysics, Medical and
Materials Physics Applications

Primary High Intensity proton Beam

Energy: 5 MeV - Current: 30 mA

Thermal neutrons up to 10^9 n cm⁻² sec⁻¹

Fast neutrons up to 10^{14} n sec⁻¹

Exotic Beam Facility

for Nuclear Physics studies

Primary Beam: up to 1 mA,

70 MeV protons

Production Target: UCx

10^{13} fission sec⁻¹

Post Accelerator: ALPI

Superconductive Linac

up to 11 AMeV for A=130