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Nobel Physics Prize for Americans

STOCKHOLM, Oct. 19: Americans Leon Lederman, Melvin Schwartz and Jack Steinberger shared the 1988 Nobel Physics Prize, the Royal Swedish Academy of Sciences announced today, reports Reuter.

They won the 400,000-dollar prize for "the neutrino beam".

Contd. on page 8 col. 3

Physics

Contd. from page 1
method and the demonstration of the doublet structure of the leptons through the discovery of the muon neutrino", the Academy said.

Nobel Chemistry Prize for Germans

STOCKHOLM, Oct. 19: West Germans Johann Deisenhofer, Robert Huber and Hartmut Michel won the 1988 Nobel Chemistry Prize the Royal Swedish Academy of Sciences announced today, says Reuter.

The detailed citation accompanying the 400,000 dollar prize

Contd. on page 8 col. 4

Chemistry

Contd. from page 1
said the award was given "for the determination of the three-dimensional structure of a photosynthetic reaction centre". The academy said the three were the first to succeed in unravelling key questions about how photosynthesis works.

Photosynthesis is the process by which light from the sun is converted into chemical energy, which is then used as nutrition by all animals and plants.

Huber, 51, and Michel, 40, work in different branches of the Max Planck Institute in West Germany. The institute has provided several previous Nobel prize winners, including Albert Einstein.