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SCATTERING OF ANTIPROTONS FROM NUCLEI

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Antiproton beams became available recently at the low energy antiproton ring (LEAR) at CERN. They offered new opportunities to study the antiproton-nucleus interaction. First results from \bar{p} elastic and inelastic scattering experiments on ^{12}C , ^{40}Ca and ^{208}Pb at $T_{\bar{p}} = 47$ MeV and 175 MeV will be presented. Optical potentials deduced from these measurements will be discussed and compared to calculations. The existence of \bar{p} -A bound states will be discussed in light of (\bar{p} p) measurements on ^{12}C .

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(1) D. Garreta et al. Phys. Lett. 135B (1984) 266.

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