

**THE NUMERICAL SOLUTION OF FADDEEV'S EQUATIONS AND
THE CALCULATION OF ND - SCATTERING CROSS SECTION
IN FUNDAMENTAL K-HARMONIC APPROXIMATION**

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We have considered the problem of neutron-deuteron scattering at low energies. Representing solution of corresponding Faddeev's equations as sum of asymptotic wave function and rapidly convergencing series of hyperspherical harmonics, we have calculated basic term of this series with value of full moment $K = 0$. The angular distribution of cross section for nd -scattering at 3,28 MeV neutron energy has been computed and compared with the experiment.