VEPP-5 **Positron** Source Simulations, A.A. KULAKOV, P.V. MARTYSHKIN, Budker INP, Russia - Primary electron bunch has energy 300 MeV, longitudinal size $2\sigma = 6$ mm, size of a beam spot at target is 1 mm. Simulations of electromagnetic showers utilizing GEANT package provides positron distributions after target. To calculate positrons yield particles are traced in matching device and first accelerator section varying initial RF-phase. Dumpingring energy acceptance (±3%) put additional restrictions on final yield. Depending on results of flux concentrator construction positrons yield expected to be 4-5%.