

The Injection System Calculation for SVAAP,
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IHEP, Protvino, Russia - The injection system for the
Superconducting Vertical Accelerator for Applied Purposes
(SVAAP) calculation results are presented in this report.
The injection system includes the electron gun of 250 keV,
chopper, bending magnet and focusing elements. The
injection channel characteristics have been obtained by
using PARMELA, LIDOS and SUPERFISH programs.
Albeit still preliminary the results show good correlation
between different analytical methods. The main attention
has been given to the parameters of the bending magnet
whose construction has been chosen from this particular
simulation.