Studies of the neoclassical transport for CNT BERNHARD SEI-
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ogy — The Columbia Nonneutral Torus (CNT) was not optimized with respect to
$1/\nu$ neoclassical transport, therefore, such studies are of interest and desirable. For
such a task the code SORSSA was adapted to CNT. SORSSA computes a normal-
ized stored energy based on a simple transport model depending on the neoclassical
effective ripple ϵ_{eff}. For this purpose ϵ_{eff} is calculated by following the magnetic field
line. Because the magnetic field is computed in real space coordinates directly from
coil parameters there is no restriction to the complexity of the magnetic field. First
results of computations of the total stored energy are presented.

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