

Testing the sorting strategies in the CERN SPS,
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for checking the feasibility of experiments on the CERN
SPS to test the sorting strategies in operational conditions
are presented. The eight strong extraction sextupoles
used in diffusion experiments are powered with
independent currents in order to simulate the effect of
eight random sextupolar errors. A sorting strategy based
on analytical quality factors is applied to select the best
ordering for the short-term 4D motion. The validity of
the obtained configuration is also checked for 6D long-
term motion and for other working points, still showing a
considerable gain.