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The new beam lines design for the CERN Neutrino Platform project

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In the framework of the CERN Neutrino Platform project, two extensions of the existing SPS North Area “H2” and “H4” secondary beam lines, able to provide low-energy charged particles with momenta between 0.4 and 12 GeV/c, have been designed. An overview of the design as well as the parameters of these ‘very low energy’ beam lines are summarized in this presentation. Results from simulations offering an outlook to the expected performance of the beam lines, as well as to the optimization of the future in-line instrumentation will be presented.

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