**A MW class target system for muon beam production**

**Abstract:**

A target system is described which can accept proton beams with drive powers of 1 to a few MW. The target is based on a high-field solenoid capture system which is capable of simultaneously capturing muons of both signs.

**Summary:**

A target system is described which can accept proton beams with drive powers of 1 to a few MW. The target is based on a high-field solenoid capture system which is capable of simultaneously capturing muons of both signs. Comparisons will be made with current operating and future planned target facilities which are designed for the production of intense neutrino beams.