

Abstract Submitted
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Wave-driven

plasma centrifuge¹ ABRAHAM FETTERMAN, NATHANIEL FISCH, Princeton University — A method for driving rotation in a fully ionized plasma centrifuge is described. The rotation is produced by radiofrequency waves near the cyclotron resonance. The wave energy is transferred into potential energy in a manner similar to the α channeling effect. By driving the rotation using waves instead of electrodes, physical and engineering issues may be avoided.

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