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## Development of the fast kicker for the muon g-2 experiment

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We are developing the fast muon kicker for the muon g-2 experiment at Fermilab. The kicker is a pulsed magnet that provides the transverse kick to the muon particles required to direct them onto the stable (magic radius) orbit of the storage ring. To provide the right kick and maximize the storage efficiency of muons, the magnetic pulse generated from the kicker should have, approximately, 250 Gauss peak value and 120 ns full width. Based on the experiences from the earlier g-2 experiment at BNL, we have redesigned the system using a triaxial blumlein pulse forming network and the prototype model has been built and tested. The details of the current status of kicker development will be presented at the conference.

### Summary

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