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The Helium-3 system for the SNS neutron EDM experiment

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In the SNS experiment, polarized ^3He is used to measure the neutron precession frequency as well as to serve as a co-magnetometer. The polarized ^3He , from an atomic beam source, is injected into the system and then removed therefrom in each measurement cycle (using a 'heat flush' technique). I will discuss the current status of the system.

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