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Status and prospects of the NEWS-SNO experiment (15' + 5')

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A novel experiment NEWS-SNO (News Experiment With Spheres in SNOLAB) is setting up to probe low mass Dark Matter particles using a spherical gaseous detector and very light target nuclei such as H, He and Ne. Preliminary results obtained from a 60 cm diameter prototype operated with neon gas in LSM (Laboratoire Souterrain de Modane) will be given. The obtained performance paves the way forward for the larger scale detector to be installed at SNOLAB; status and expected sensitivity of the project will be presented.

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