

Abstract for an Invited Paper  
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**NOvA and its Competitors<sup>1</sup>**

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The NOvA experiment at Fermilab will conduct precise measurement of neutrino mass and mixing. The experiment will employ an upgraded main-injector neutrino beam. NOvA will conduct an incisive search for 1st-to-3rd generation neutrino mixing; and, will, using the antineutrino beam, extend the search for CP-violation in the lepton sector. Unique to NOvA is the determination of the neutrino mass hierarchy. We will contrast the Physics reach of NOvA with the K2K (JPARC) project, and with the proposed reactor experiments.

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