## 2019 Workshop on Polarized Sources, Targets, and Polarimetry



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## Testing Frozen-Spin HD with electrons at Jefferson Lab –status update

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Highly-polarized, frozen-spin targets of solid Hydrogen Deuteride (HDice) have been successfully used with photon beam for nuclear physics measurements for over a decade. With Jefferson Lab's upgrade to 12 GeV, a new effort has begun to expand the physics reach using HDice targets with electron beam. Three "high impact" experiments, which plan to utilize transversely polarized HDice targets and electron beams to study nucleon structure, have been approved by the JLab PAC with "A" ratings. Testing HDice targets with electron beams (eHD) is scheduled to begin this fall at the JLab's Upgraded Injection Test Facility (UITF). Preparations for these eHD tests are well underway. The experimental design and the status of major components will be reported, along with the anticipated schedule.

## Summary

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