

Abstract Submitted
for the DNP20 Meeting of
The American Physical Society

TTU Ion Generator Development¹ AUSTIN MARLER², MUSTAFA RAJABALI³, tennessee tech university — A Cesium sputter ion source has been repurposed into a laser ablation ion source. Utilizing an existing sputter source we have modified its structure to include the properties of a laser ion source where the target is renewed by rotating the target while the laser's focus remains fixed. This source is simulated using an open source ion beam extraction simulation named IBSimu. Preliminary results for this ion beam will be presented in this work: DOE grant: DE-SC0016988

¹Tennessee Tech and DOE

²student working on the project

³professor overseeing project

AUSTIN MARLER
tennessee tech university

Date submitted: 31 Jul 2020

Electronic form version 1.4