

Abstract Submitted  
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**$H\alpha$  power loss in SSPX** T.L. STEWART, C.A. ROMERO-TALAMAS, H.S. MCLEAN, D.L. CORRELL, Lawrence Livermore National Laboratory, Livermore, CA 94550, SSPX TEAM — An absolute calibration has been performed on each of the seven chords of the  $H\alpha$  diagnostic [Z. Wang, G.A. Wurden, C.W Barnes, et al., Rev. Sci. Instrum. 72, 1059 (2001)] at SSPX. Simple models are used to estimate the total power lost to  $H\alpha$  radiation throughout experimental shots. Using these models, high energy shots ( $T_e > 500$  eV) are compared to low energy shots.

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