Accepted Manuscript

TEM investigation of the effect of He-seeding on plasma induced defects in tungsten

W. Van Renterghem, A. Dubinko, A. Bakaeva, D. Terentyev

PII: S0022-3115(17)31790-7

DOI: 10.1016/j.jnucmat.2018.05.028

Reference: NUMA 50957

To appear in: *Journal of Nuclear Materials*

Received Date: 15 December 2017

Revised Date: 8 May 2018

Accepted Date: 9 May 2018

Please cite this article as: W. Van Renterghem, A. Dubinko, A. Bakaeva, D. Terentyev, TEM investigation of the effect of He-seeding on plasma induced defects in tungsten, *Journal of Nuclear Materials* (2018), doi: 10.1016/j.jnucmat.2018.05.028.

TEM investigation of the effect of He-seeding on plasma induced defects in tungsten

W. Van Renterghem[1], A. Dubinko[1,2], A. Bakaeva[1,2], D. Terentyev[1]

[1] SCK•CEN, Nuclear Materials Science Institute, 2400 Mol, Belgium

[2] Department of Applied Physics, Ghent University, 9000 Ghent, Belgium

Corresponding author:

Wouter Van Renterghem

SCK•CEN, Nuclear Materials Science Institute

Boeretang 200

2400 Mol

Belgium

E-mail: wouter.van.renterghem@sckcen.be

Tel.: + 32 14 33 30 98

Keywords:

Tungsten, He/D plasma exposure, transmission electron microscopy, plastic deformation