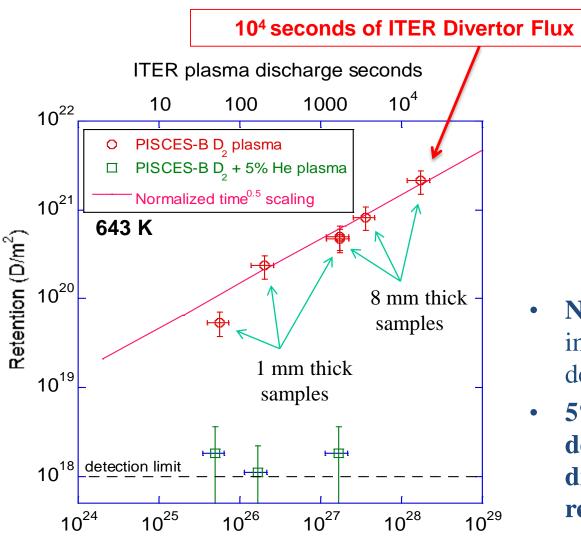
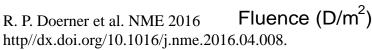
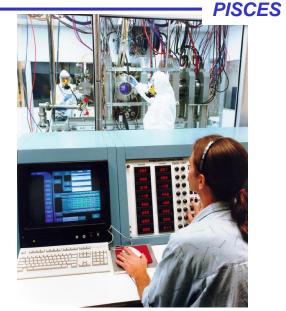
## PISCES-B operated continuously for 31 hours to generate data at a world-record fluence of 2 x 10<sup>28</sup> m<sup>-2</sup>





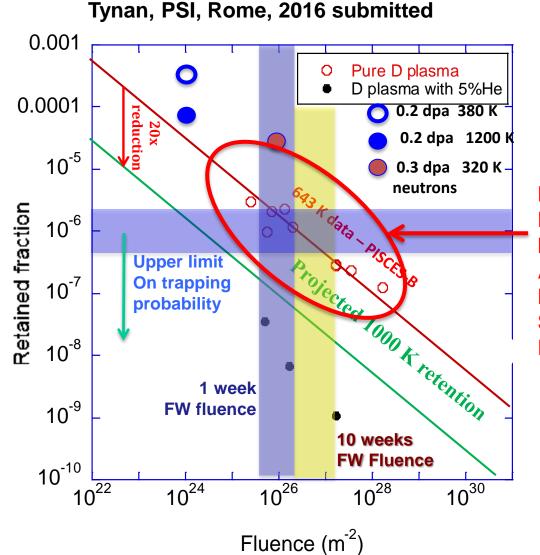


- No saturation in D retention in W with high-fluence deuterium plasma exposure
- 5% He<sup>+</sup> flux during deuterium plasma exposure drastically reduces D retention in W at 643 K



## Tritium self-sufficiency requires a retained fraction of less than ~ 10-6, which has been achieved at high fluence in undamaged samples

----- PISCES -



Motivates
Higher Plasma Fluence
Ion Beam Damaged
AND
Neutron Irradiated
Sample
Experiments

