

2015 Publications/Papers

1. [Comparison of Measured Neutron Yield Versus Pressure Curves for FMPPF-3, NX2 and NX3 Plasma Focus Machines Against Computed Results Using the Lee Model Code.](#) S. H. Saw, P. Lee, R. S. Rawat, R. Verma, D. Subedi, R. Khanal, P. Gautam, R. Shrestha, A. Singh, S. Lee, J Fusion Energ (Online 13 Dec 2014) J Fusion Energ (2015) 34:474-479 DOI 10.1007/s10894-014-9824-0
2. [Comparison of Measured Soft X-Ray Yield Versus Pressure for NX1 and NX2 Plasma Focus Devices Against Computed Values Using Lee Model Code,](#) P. Gautam, R. Khanal, S. H. Saw, S. Lee, (Online 3 Feb 2015) J Fusion Energ (2015) 34:686–693, DOI 10.1007/s10894-015-9872-0
3. [Multi-scaling of the dense plasma focus,](#) S H Saw and Sing Lee, Journal of Physics: Conference Series 591 (2015) 012022 doi:10.1088/1742-6596/591/1/012022
4. [Neutron yield scaling with inductance in plasma focus](#)
F.Karami, M. V Roshan, M. Habibi, P Lee, S H Saw S Lee IEEE Trans Plasma Sci (Vol:43,Issue:7), Page(s): 2155 - 2159 (2015) DOI: 10.1109/TPS.2015.2440335
5. Effects of approximation and close-fitting technique of Corona Model on Neon Soft X-Ray Emission in 3kJ Plasma Focus: Abd Rashid, Natashah; Mohamad, Saiful Najmee; Chaudhary, Kashif Tufail; Lee, Sing; Saw, Sor Heoh; Ali, Jalil. IEEE Trans Plasma Sci (Volume:43 , Issue: 7) Page(s): 2146 - 2154 (2015) DOI: 10.1109/TPS.2015.2433301
6. [Comparison of Measured and Computed Radial Trajectories of Plasma Focus Devices](#)
L H Lim, S L Yap, L K Lim, M C Lee, J M, H S Poh, S S Yap, S Lee, Phys. Plasmas **22**, 092702 (2015); <http://dx.doi.org/10.1063/1.4929856>
7. [Numerical experiments on parametric study of UMDPF1 and UMDPF2 plasma focus devices for neutron optimization.](#) L K Lim, S L Yap, L H Lim, Y S Neoh, M Z Khan, S K Ngoi, S S Yap, S Lee J Fusion Energy, Online 29 Sep 2015 DOI 10.1007/s10894-015-0014-5
8. [S. N. Mohamad · N. Abd. Rashid · K. Chaudhary · S. Lee · S. H. Saw · J. Ali](#) Plasma Kinetics in Deuterium-Filled Plasma Focus with Step Anode Configuration, JOURNAL OF COMPUTATIONAL AND THEORETICAL NANOSCIENCE 12(10):3531-3537 · OCT 2015 DOI: 10.1166/jctn.2015.4234
9. A. R. J. A. FEDERICO*, P. L. CHONG¹, S. H. SAW, [OPTIMISATION OF NEON SXR \(SOFT X-RAY\) YIELD OF THE INTI PLASMA FOCUS MACHINE AT 12 kV;](#) Journal of Engineering Science and Technology, Vol. 10, No. 2 (2015) 184 - 195
10. [Influence of Krypton Doping on DD Fusion Neutron Production: An Evaluation Methodology for Optimization Level of Plasma Focus Device.](#) A. Talebitaher, S. Lee, S.M.P. Kalaiselvi, R. Verma, P. Lee, S.V. Springham, T.L. Tan, R.S. Rawat- J Fusion Energ DOI 10.1007/s10894-015-0041-2 online 20 Nov 2015

11. [The investigation of pinch regimes in a Mather type dense plasma focus device and their effects on hard x-ray emission](#). D.Piriaei, T.D.Mahabadi, S.Javadi, M.Ghoranneviss, S H Saw⁴ and S Lee *Physics of Plasmas* **22**, 123507 (2015); doi: 10.1063/1.4936801
12. [Radiative Cooling and Collapse in the Plasma Focus](#), S H Saw & S Lee, 22nd IAEA Technical Meeting (TM) on Research Using Small Fusion Devices 12-14 Oct 2015, Prague, Czech Republic
13. [Experiments and Simulations on the Possibility of Radiative Collapse in the Plasma Focus PF-1000](#), M. Akel, J. Cikhardt, P. Kubes, H.-J. Kunze, S. Lee, M. Paduch and S. H. Saw, *PLASMA* 2015, Warsaw, September 7-11, 2015
14. [Exploring the Plasma Focus-From Electrodynamics to Radiative Collapse](#), S Lee and S H Saw, Conference on Plasma Focus in series SPFE, 5 Nov 2015 at INTI IU, Malaysia
15. [CPR's Research Projects & Collaborations – Way Forward](#), S H Saw and S Lee, Conference on Plasma Focus in series SPFE, 5 Nov 2015 at INTI IU, Malaysia
16. [Dual Plasma Focus- 160 kJ DuPF – Concept, Design & Installation](#), S H Saw, V Damideh and S Lee, Conference on Plasma Focus in series SPFE, 5 Nov 2015 at INTI IU, Malaysia