Abstract Submitted
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Effect of Radio Frequency Waves on Plasma Instabilities & Turbulences[1] J MELENDEZ, I DUROJAIYE, K TRIVEDI, E NTI, Bowie State University, MD, S SEN, William Mary, National Institute of Aerospace, VA and Bowie State University, MD — We study the effect of Radio Frequency Waves on low-frequency instabilities and turbulences. No ponderomotive force induced flow generation is considered. In spite of this the effect of RF waves is shown to have significant effect in controlling the turbulence level contrary to the usual prediction that ponderomotive force induced flow shear (first radial derivative of flow) alone controls the turbulence level. This has a crucial role in the fusion energy generation.

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None

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