Yorktown Thorium Energy Amplifier

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 Yorktown Thorium Energy Amplifier (YTEA) is an advanced molten salt sub critical micro reactor to be developed with a compact neutron source. YTEA is a U-233 breeder-burner green energy system in equilibrium and will be coupled with a digital twin for remote operation under IAEA monitoring for nuclear fuel safeguards.

 In this presentation we will discuss the operational principles of the compact neutron source and many compelling advantages of Thorium fuel cycle.