

# Elettra Campaign: Total Electron Yield Measurements

## Presentation of Results

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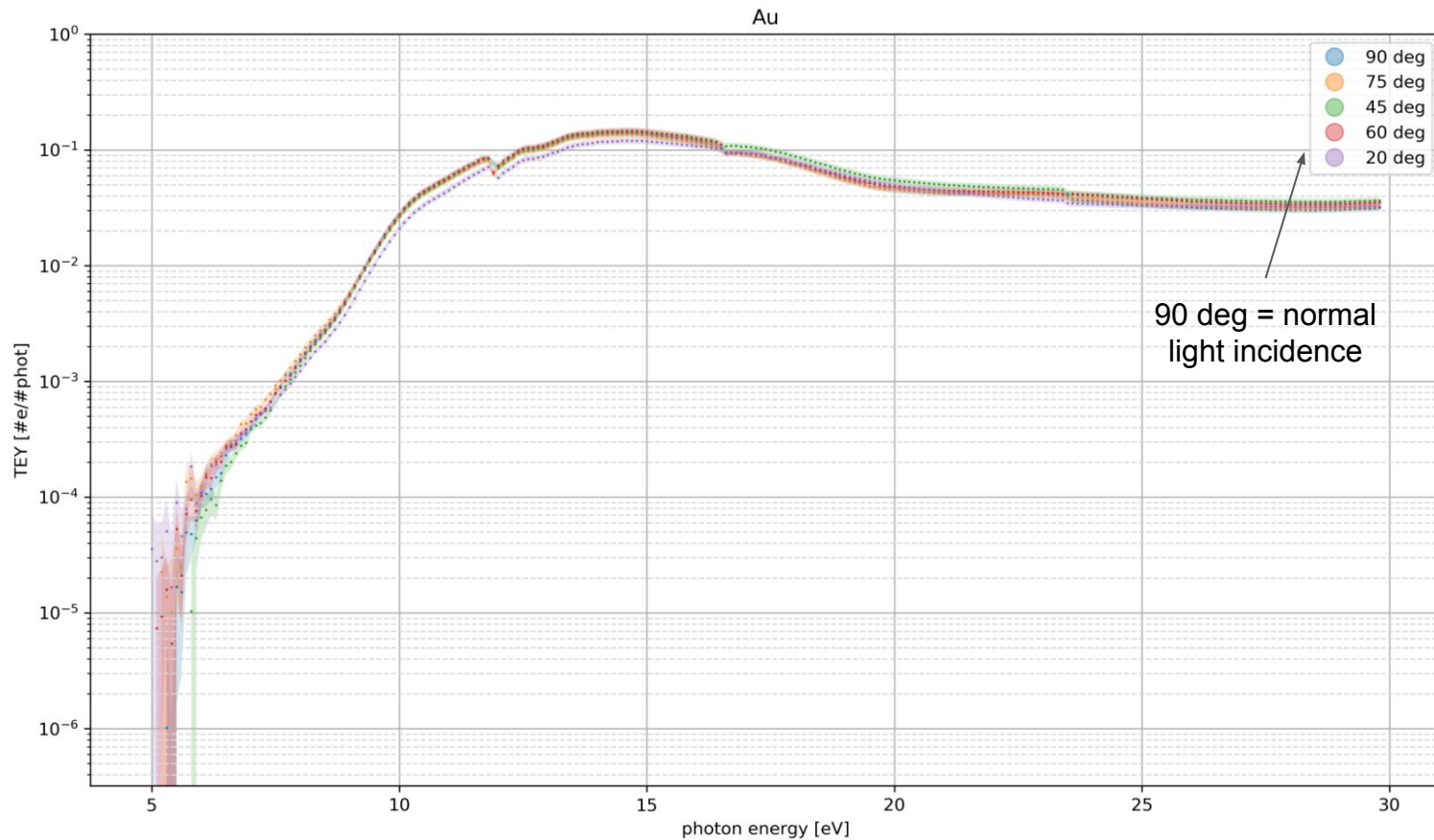
S. Kaloš, L. Manenti, F. Arneodo  
August 23 2021

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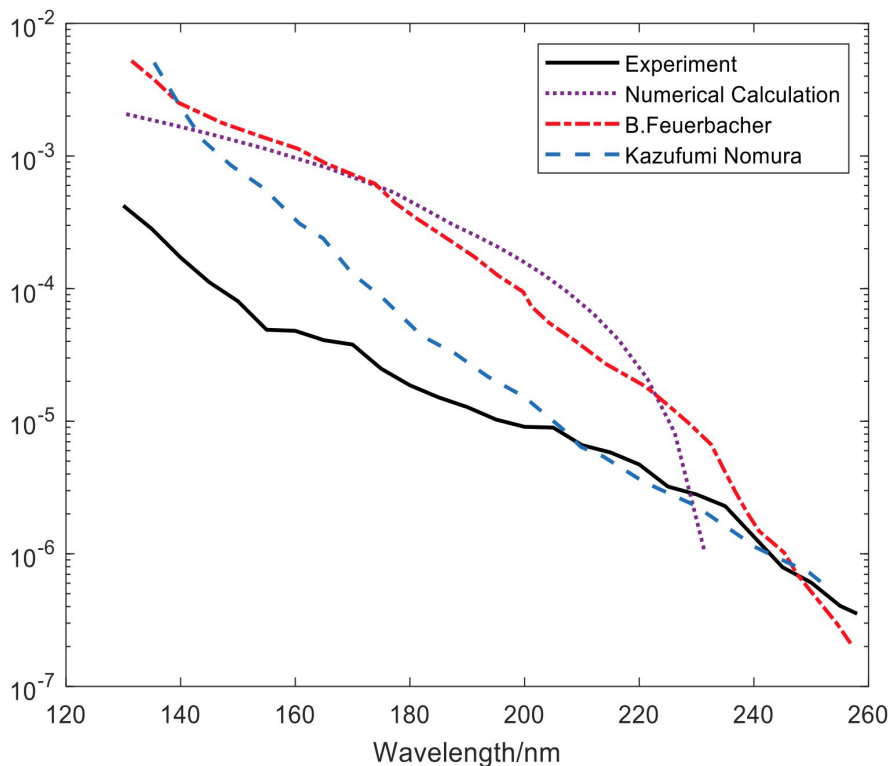


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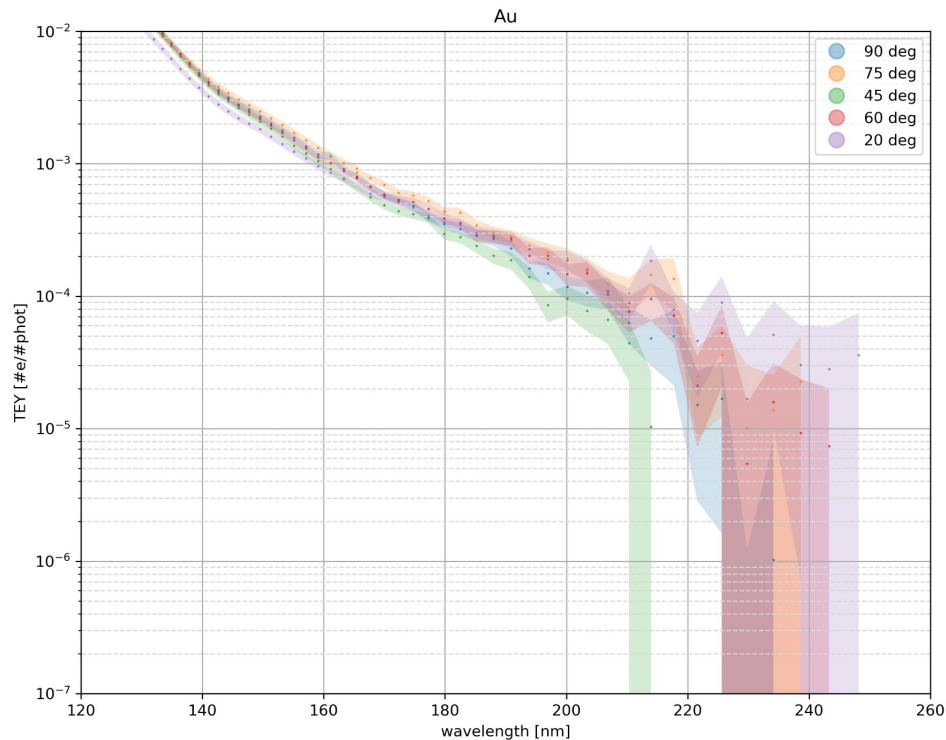
# Gold (reference material)



## Gold - comparison with literature:

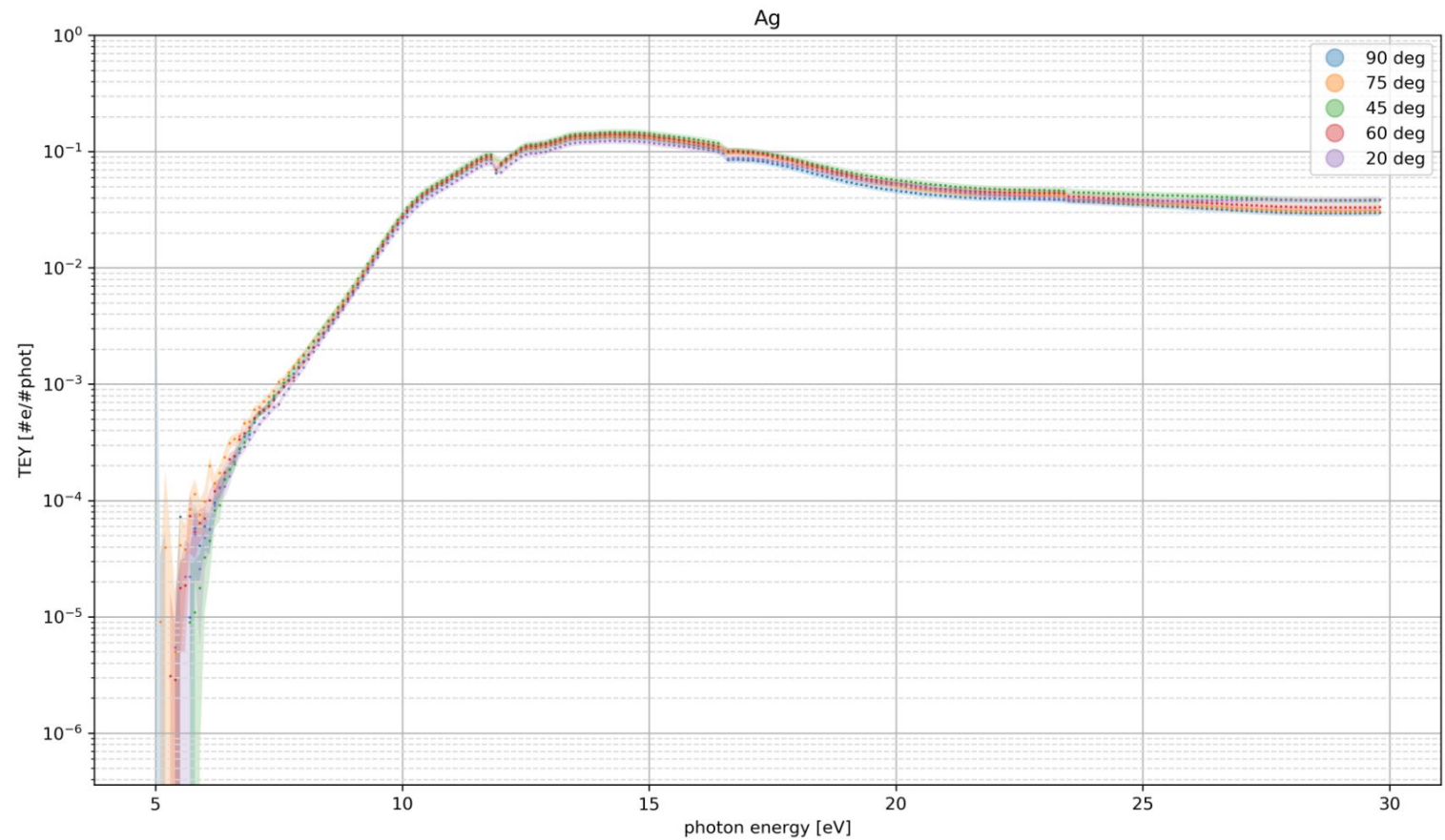


Chen, Yu, et al. "Photoelectron Emission Yield of Au Film: Theoretical Calculation and Measurement." *IEEE Transactions on Instrumentation and Measurement* (2021).

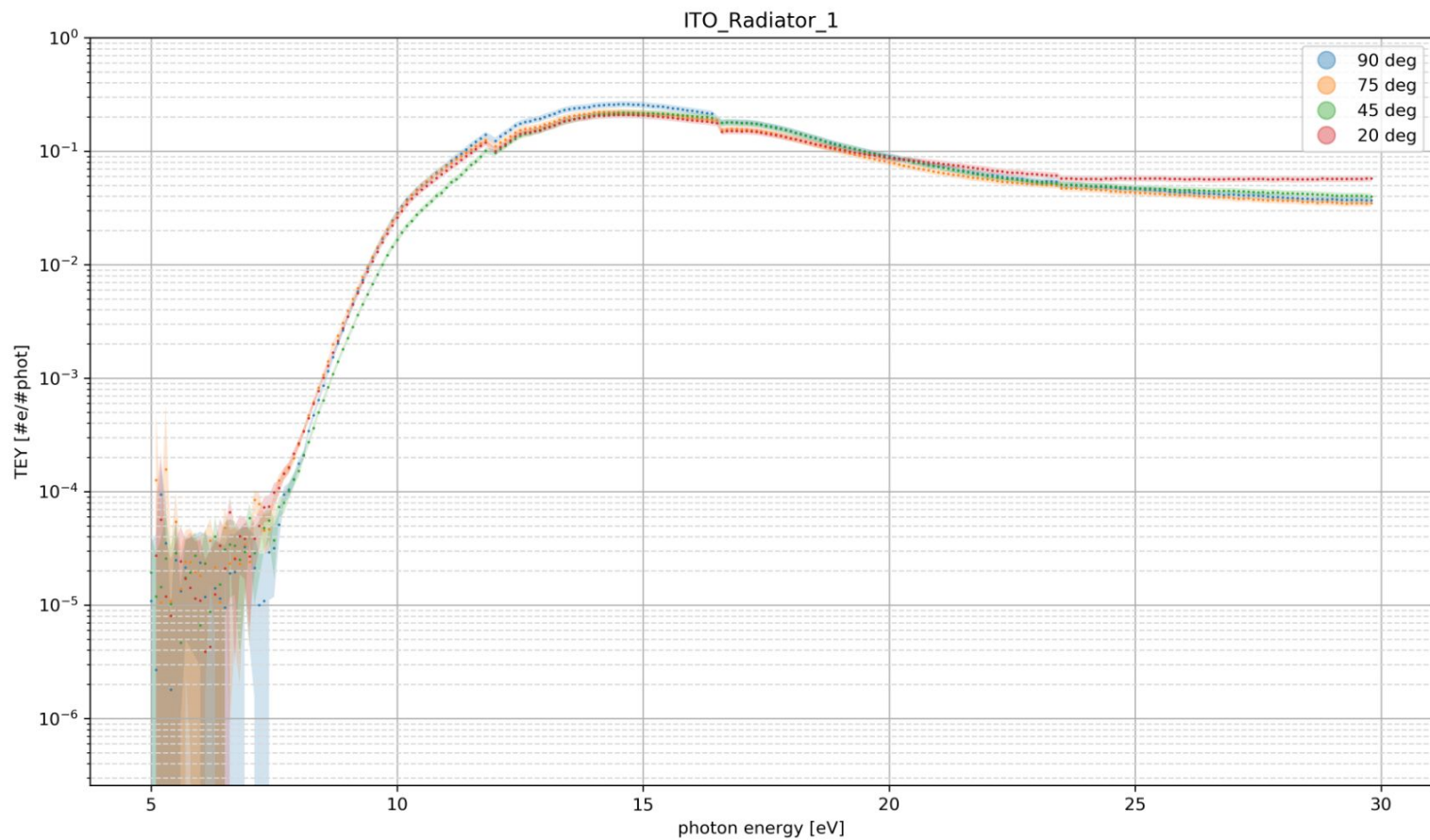


Our result

# Silver

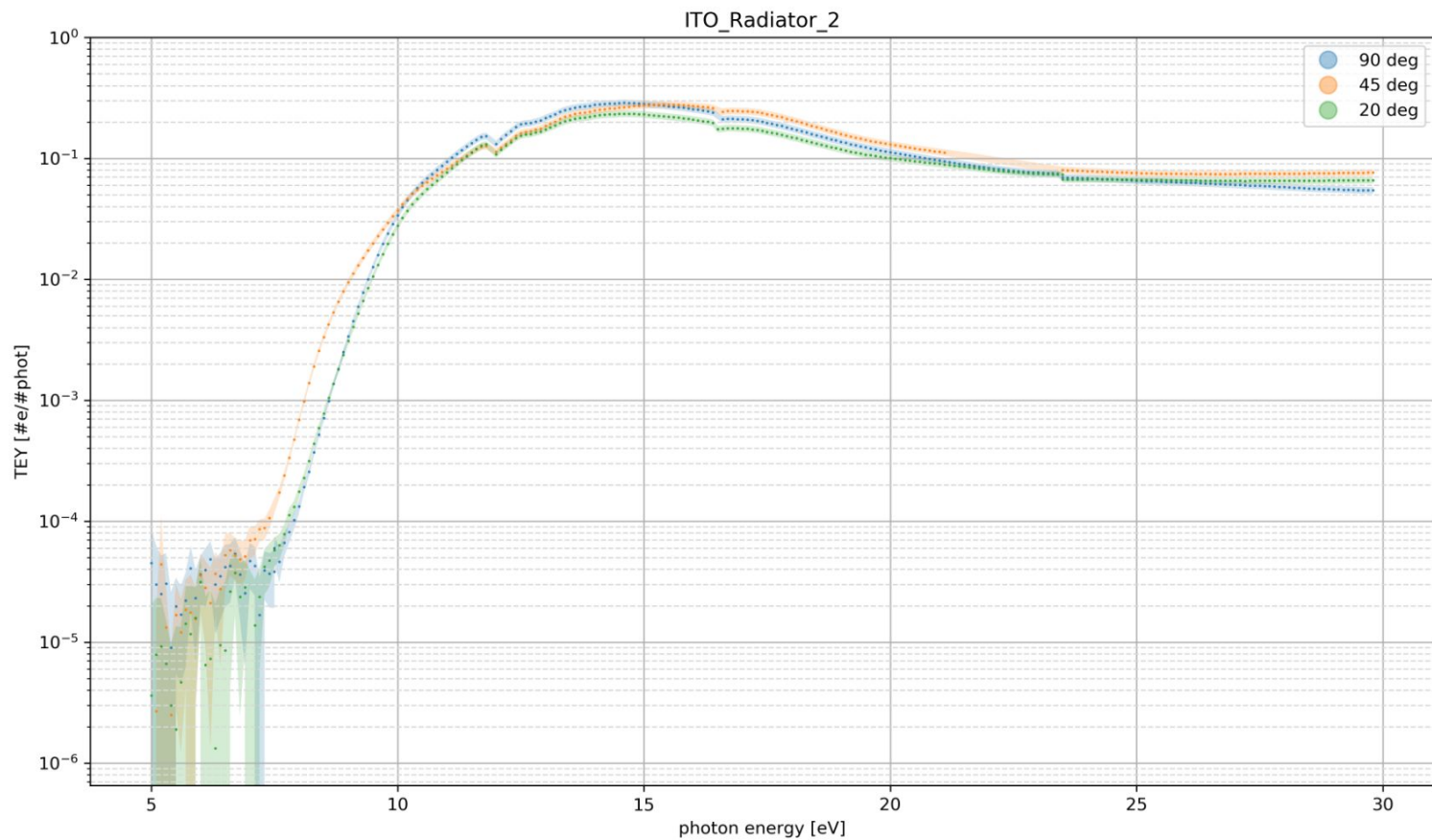


# ITO Radiator (sample 1)

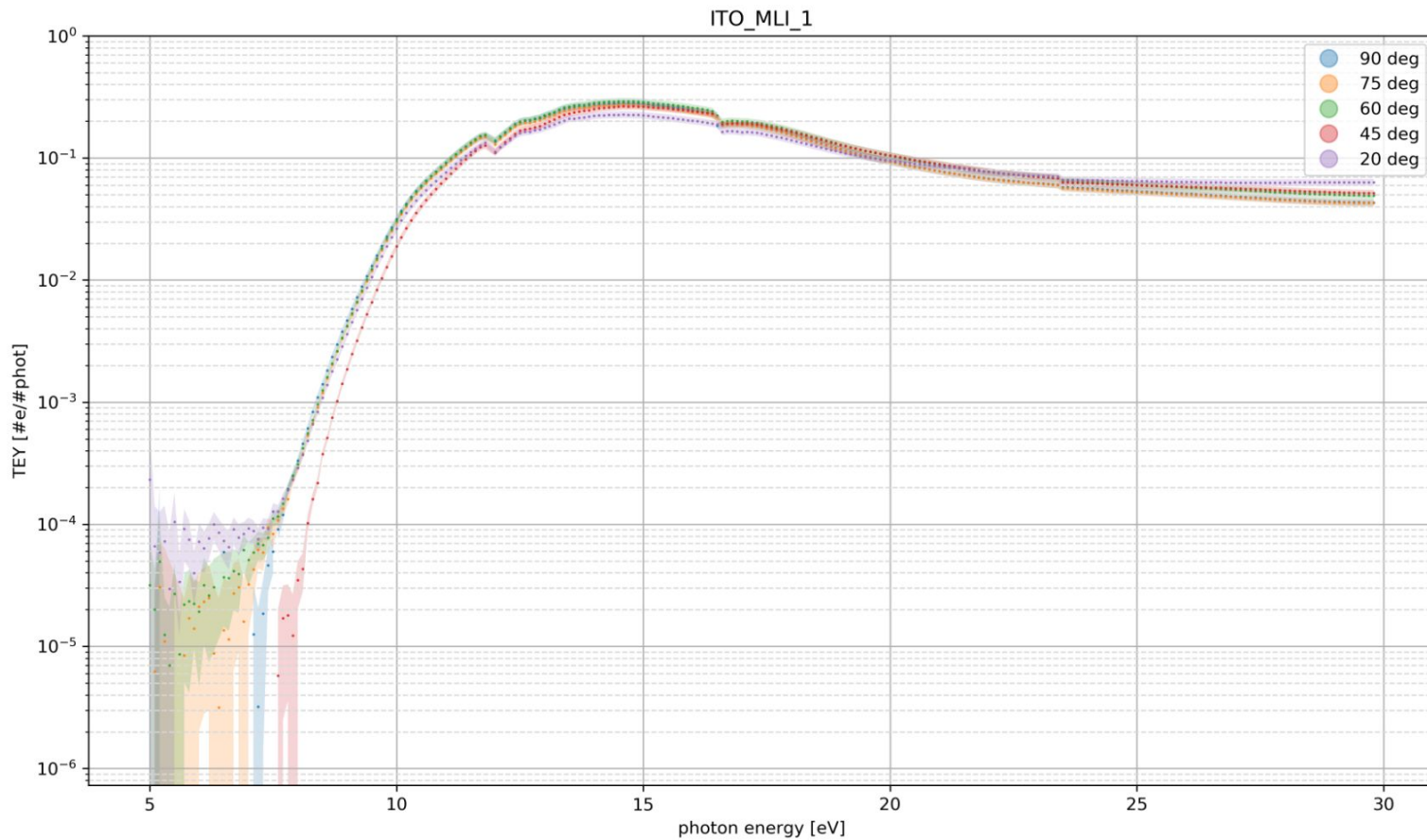




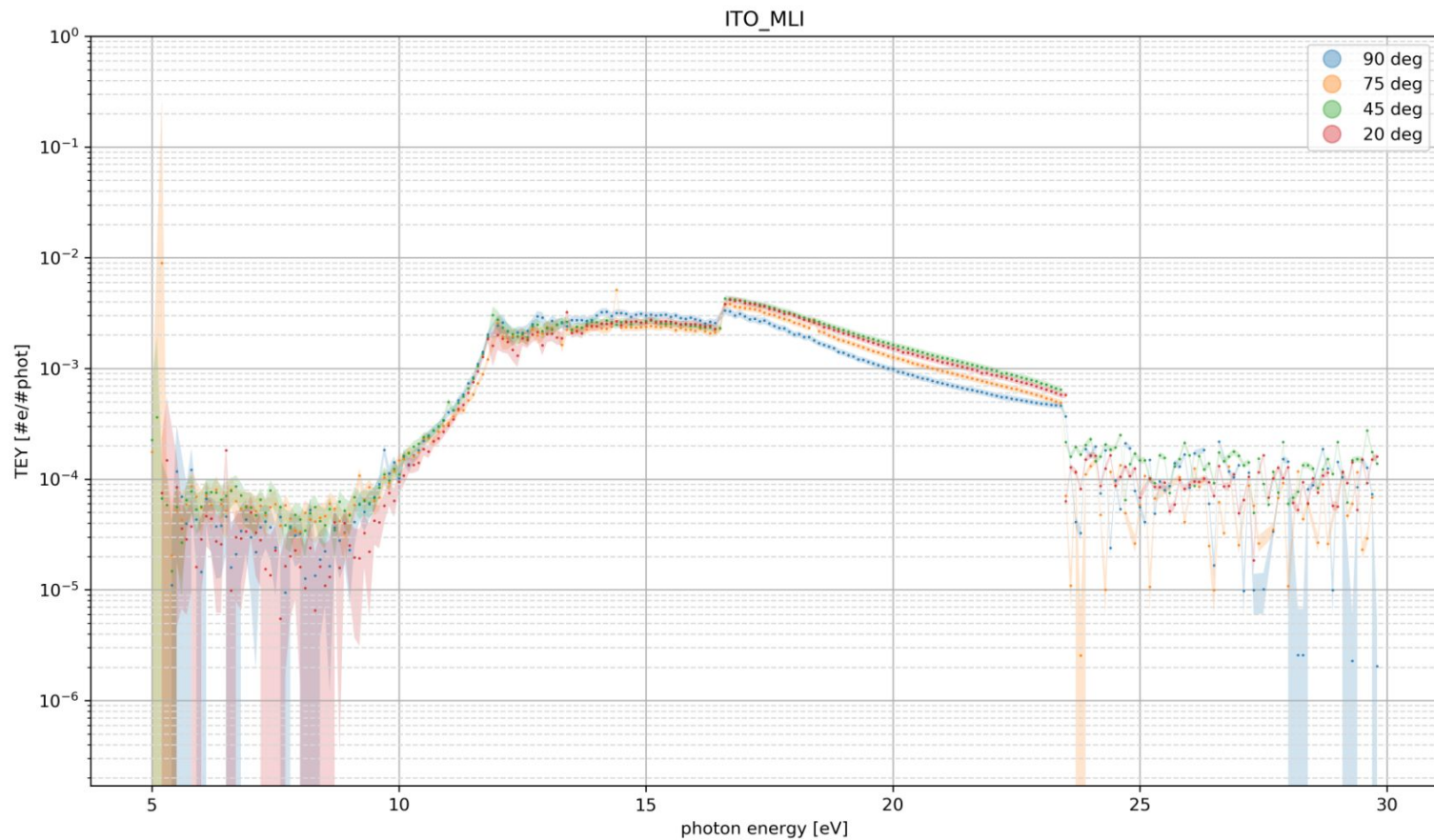
## ITO Radiator (sample 2)



# ITO MLI (sample 1)

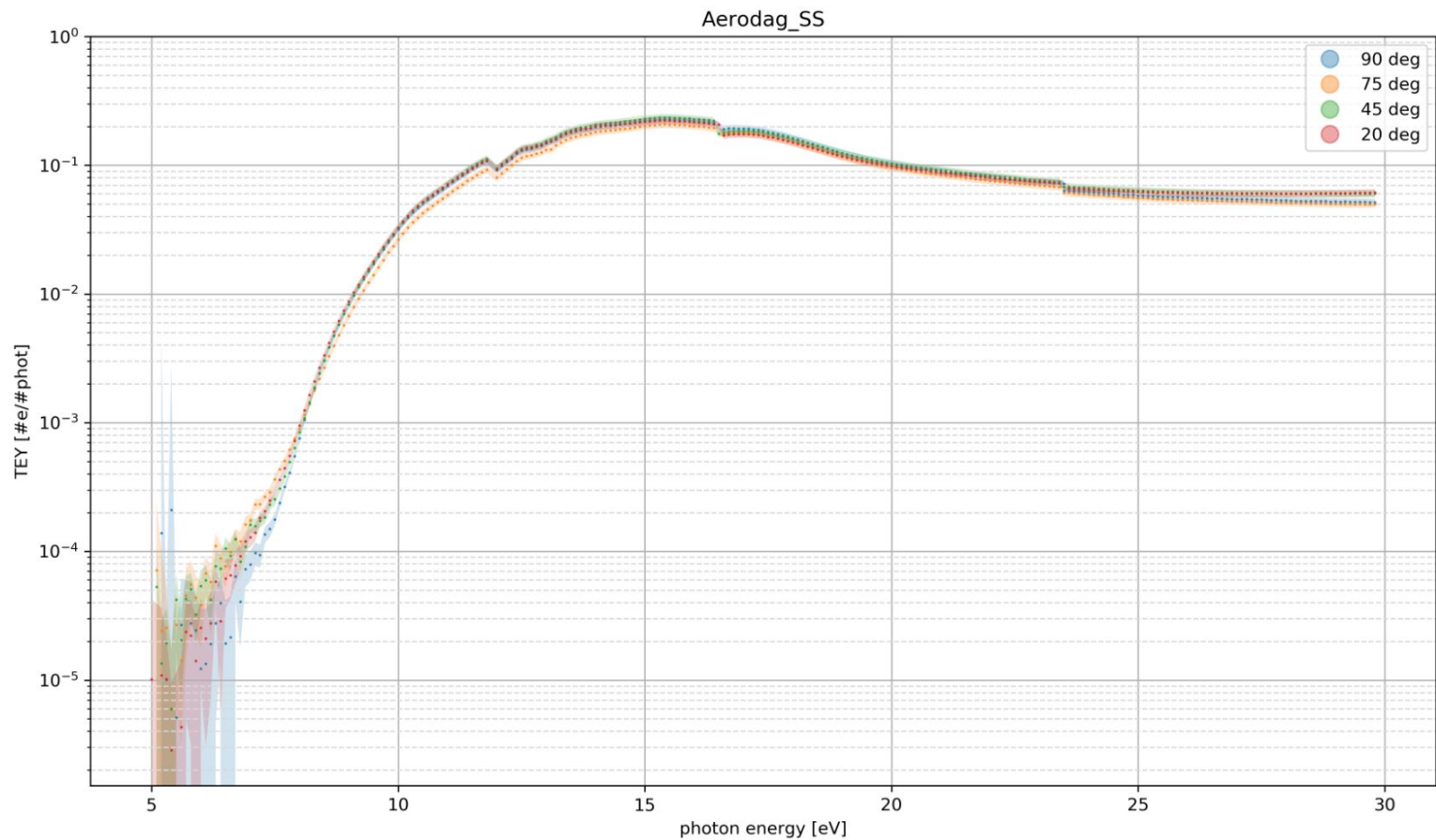


## ITO MLI (sample 2)

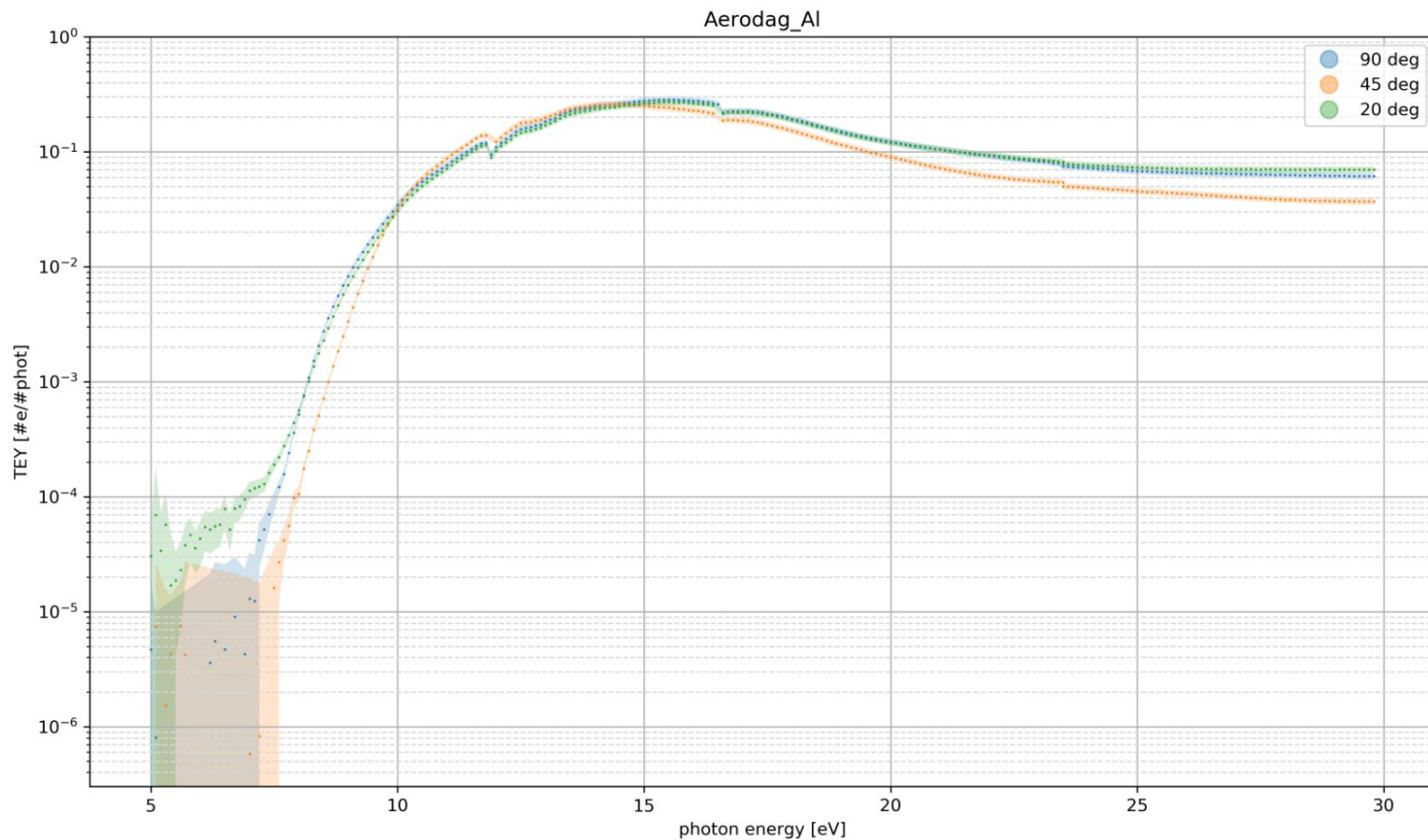




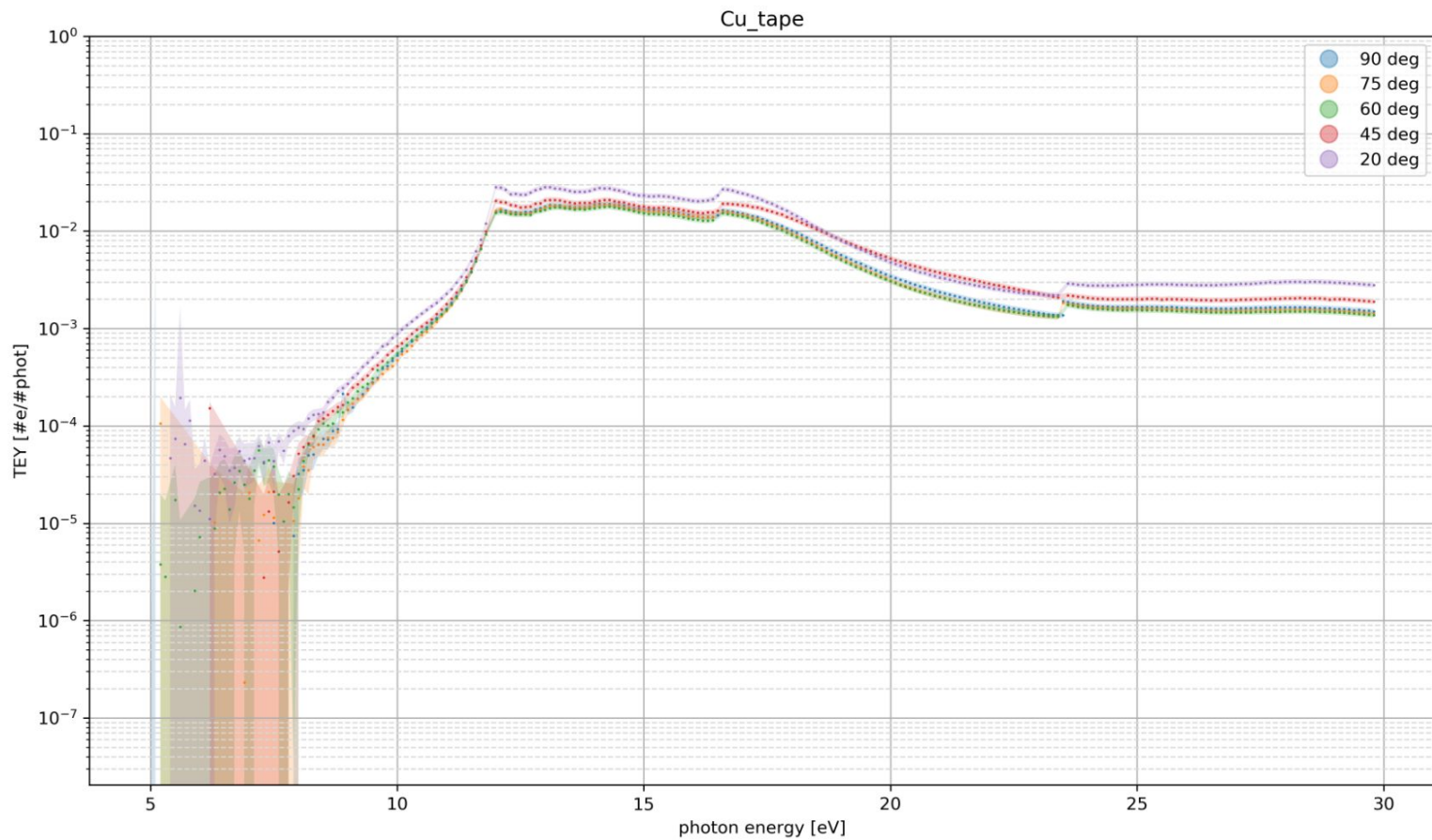
# Aerodag on Stainless Steel



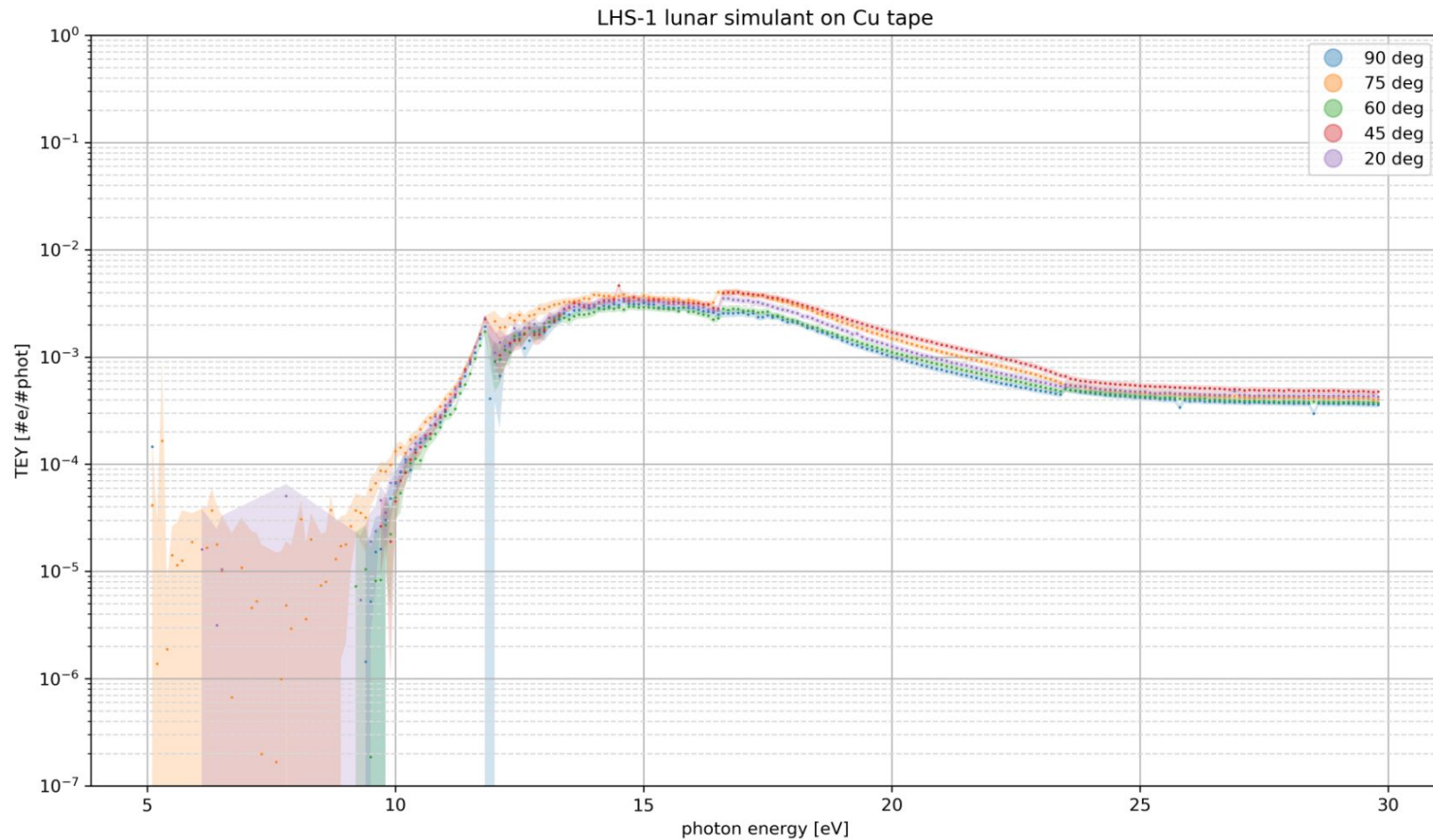
# Aerodag on Aluminum



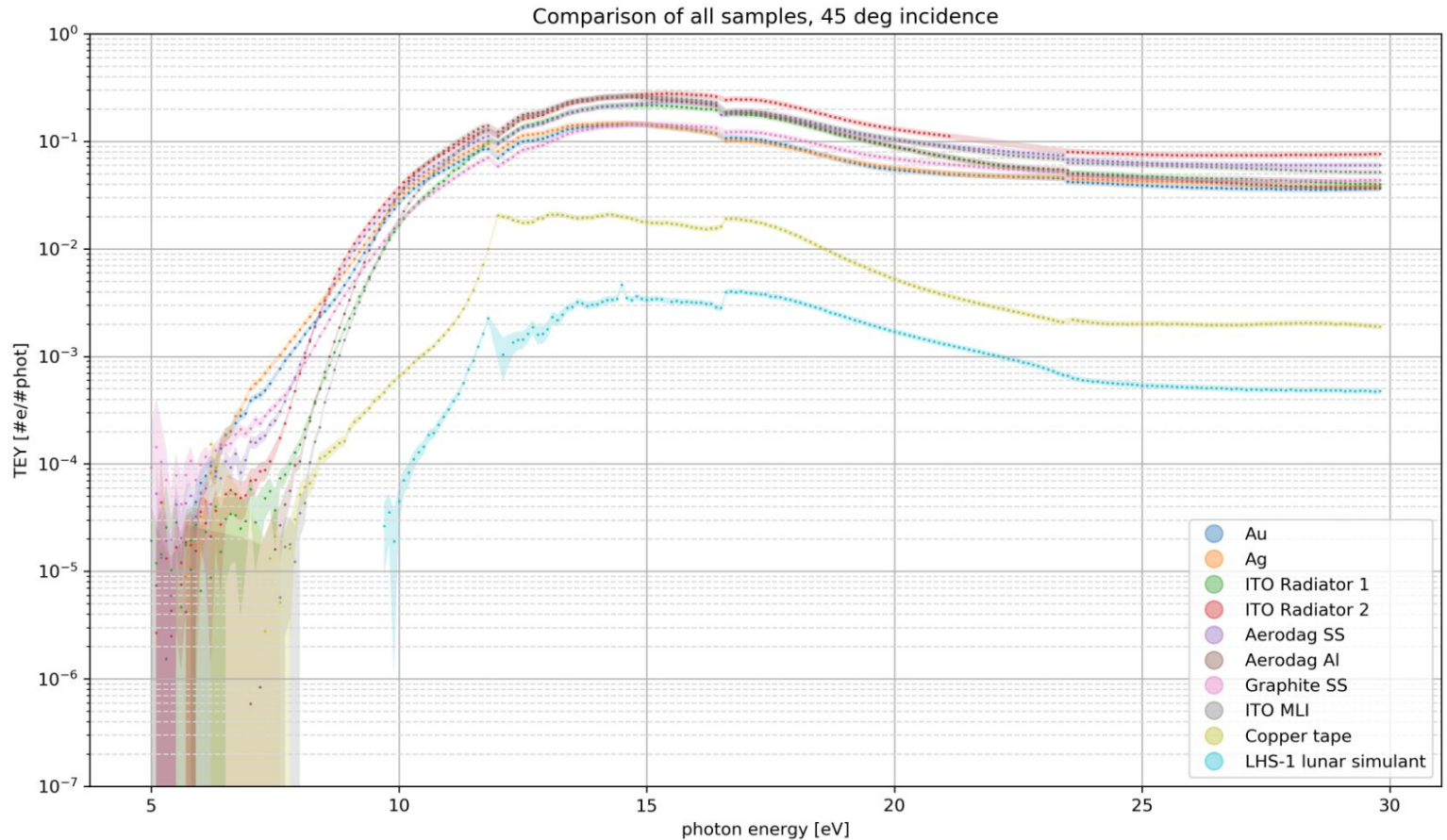
# Copper tape



## LHS-1 simulant (fake dust)

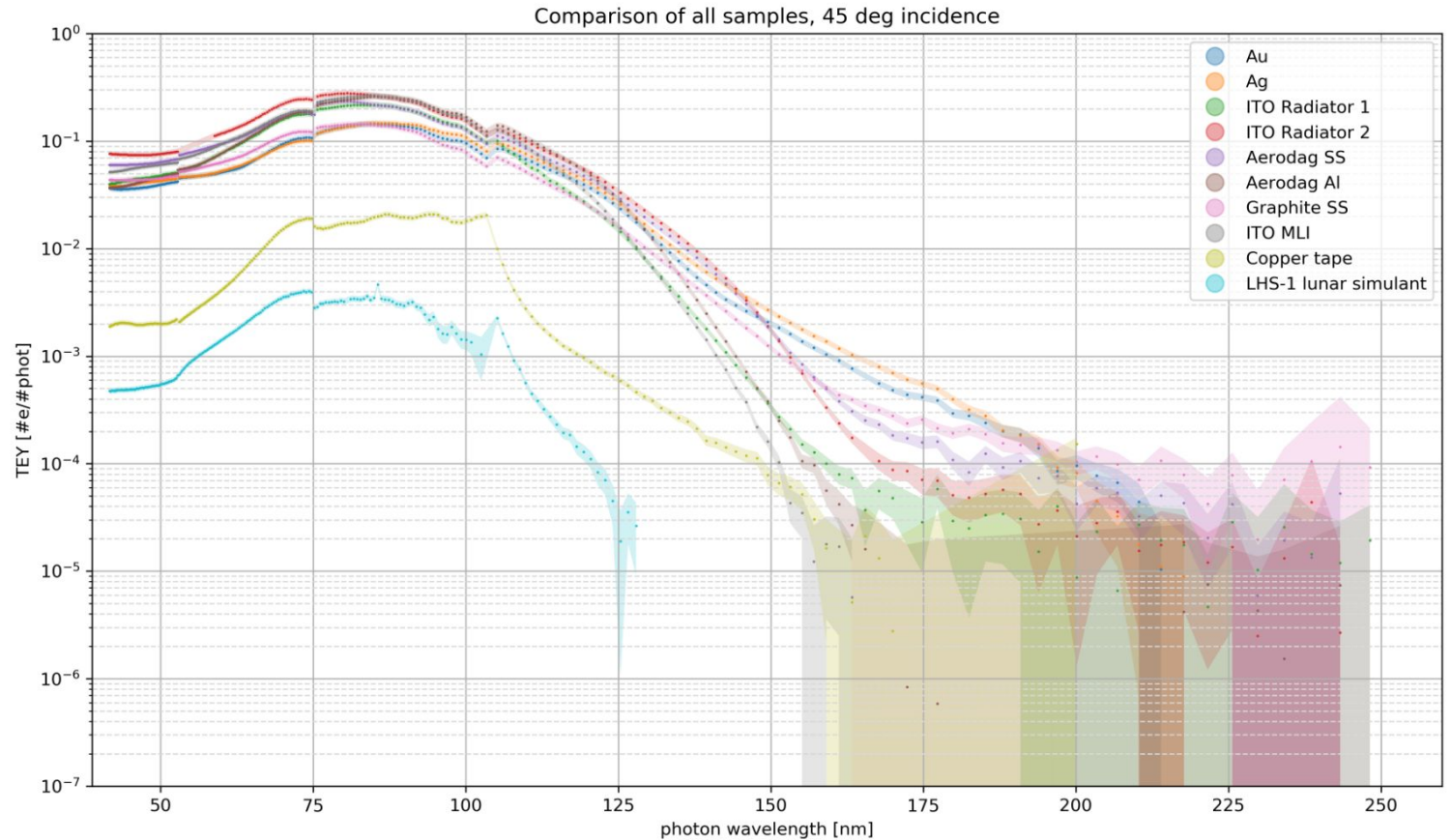


# All samples comparison (photon energy) 45 deg





# All samples comparison (wavelength) 45 deg



Thank you!

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