

4-13-2017

# Reduction of Radiation Effects in Polymers

Alexandra Hughlett  
*Utah State University*

Tyler Kippen  
*Utah State University*

JR Dennison  
*Utah State University*

Follow this and additional works at: [https://digitalcommons.usu.edu/mp\\_post](https://digitalcommons.usu.edu/mp_post)

 Part of the [Condensed Matter Physics Commons](#)

---

## Recommended Citation

Alexandra Hughlett and JR Dennison, "Reduction of Radiation Effects in Polymers," USU Student Research Symposium, April 13, 2017, Logan, UT.

This Conference Poster is brought to you for free and open access by the Materials Physics at DigitalCommons@USU. It has been accepted for inclusion in Posters by an authorized administrator of DigitalCommons@USU. For more information, please contact [dylan.burns@usu.edu](mailto:dylan.burns@usu.edu).



# Reduction of Radiation Effects in Polymers

## Relaxation of Radiation Effects on the Optical Transmission of Polymers

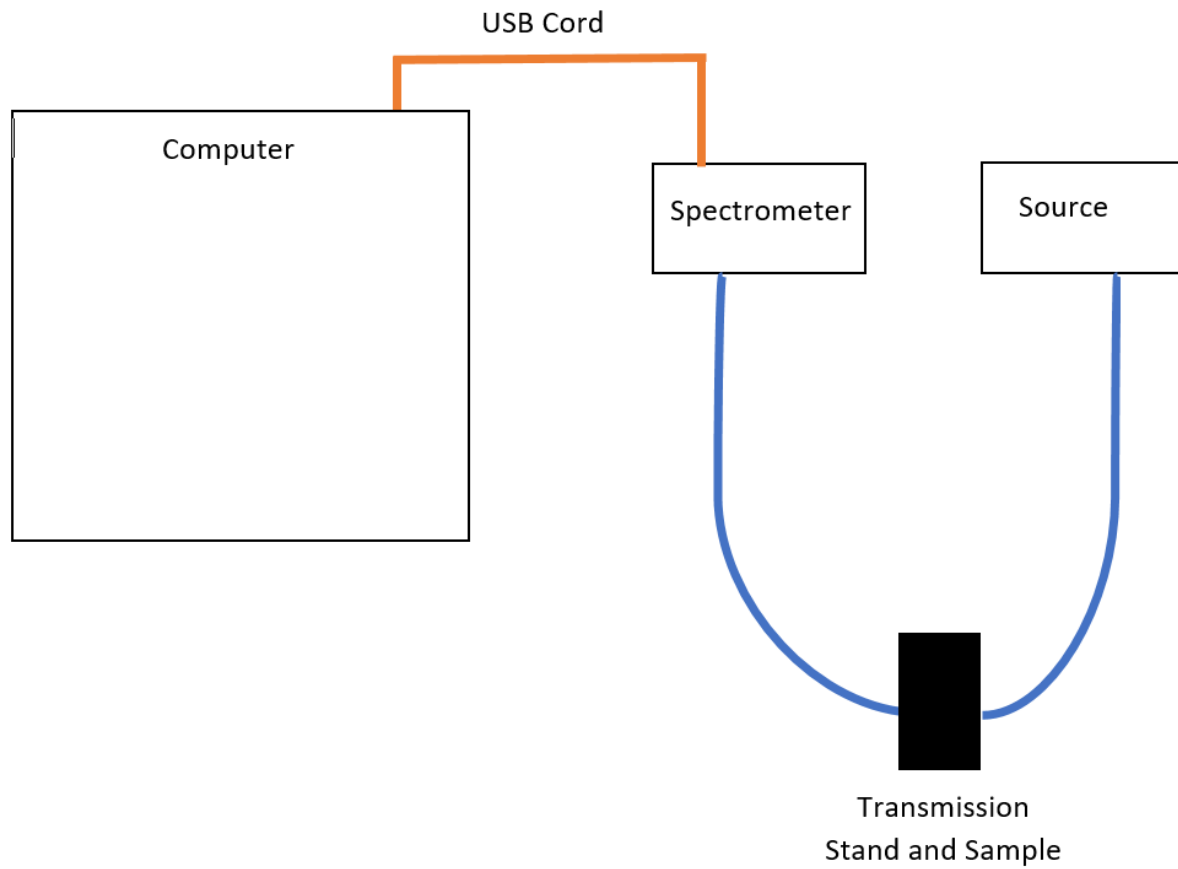
Alexandra Hughlett, Tyler Kippen, JR Dennison



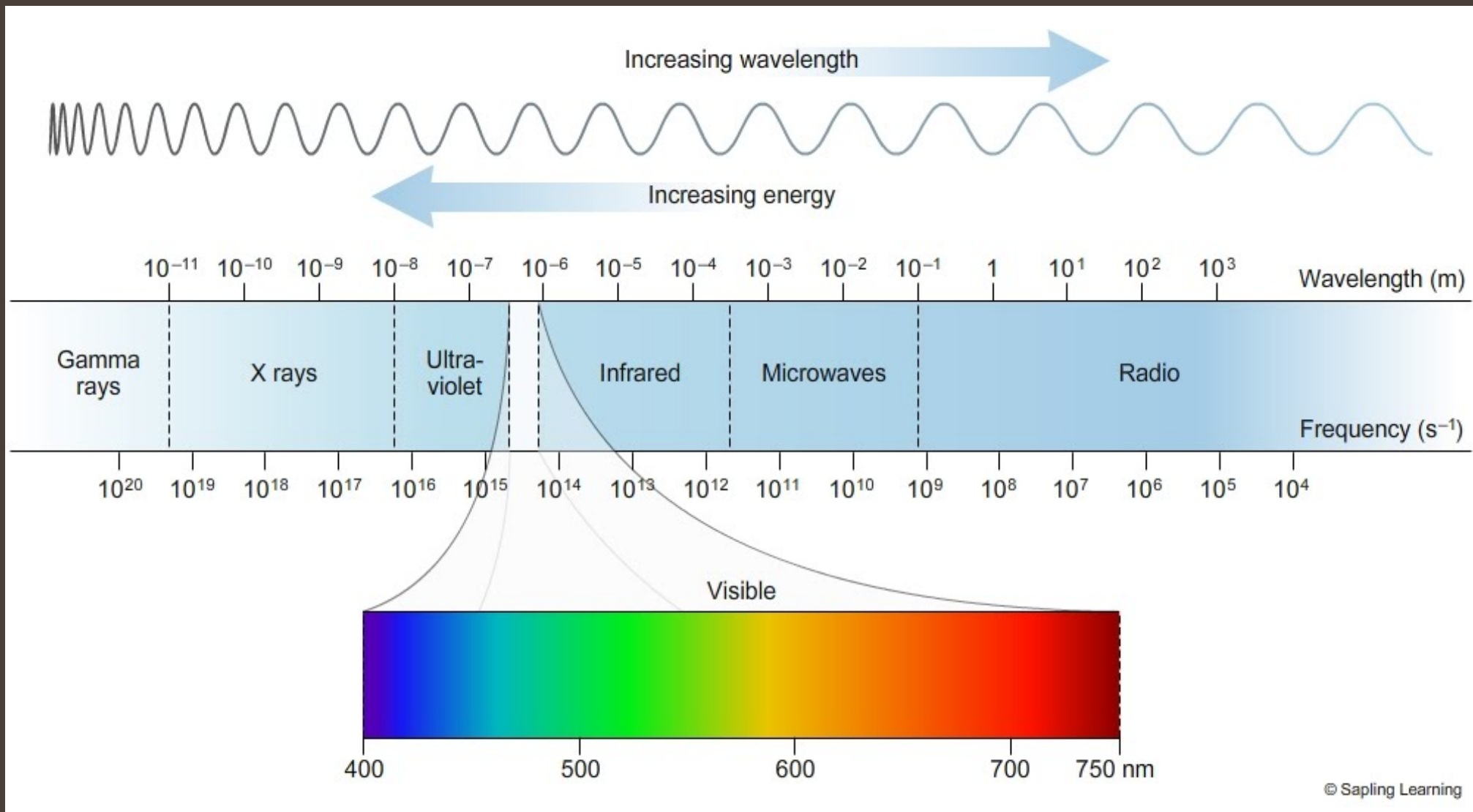
Polyimide (Kapton), Polypropylene (PP), Fluorinated Ethylene Propylene (FEP), Fluorinated Ethylene Propylene (FEP)







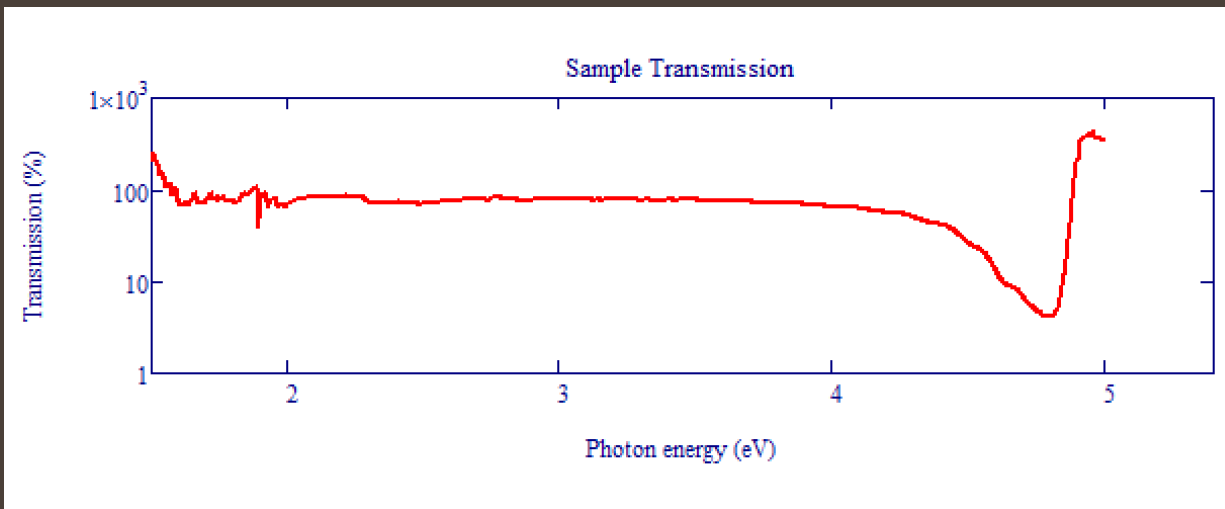
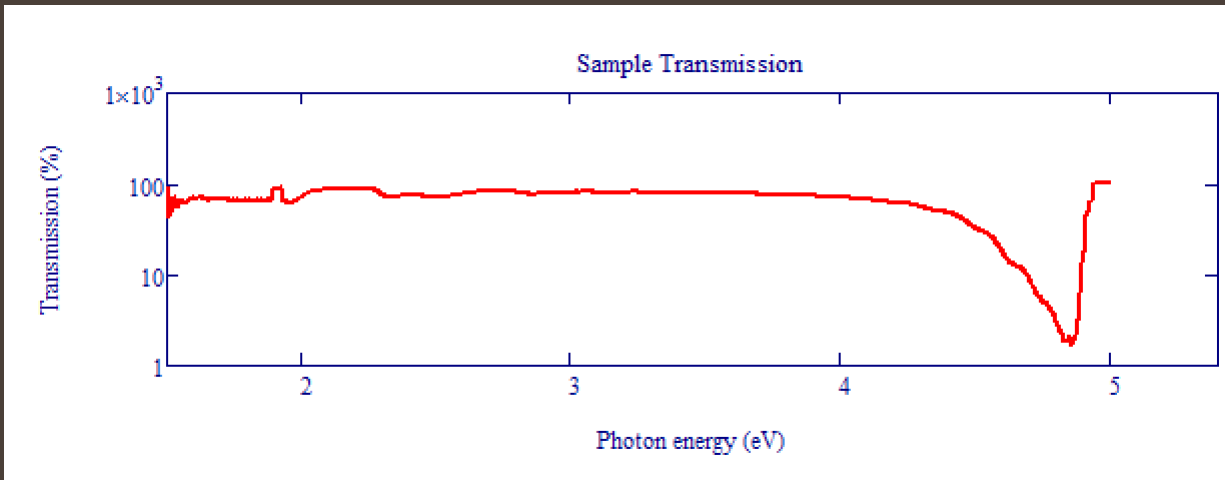




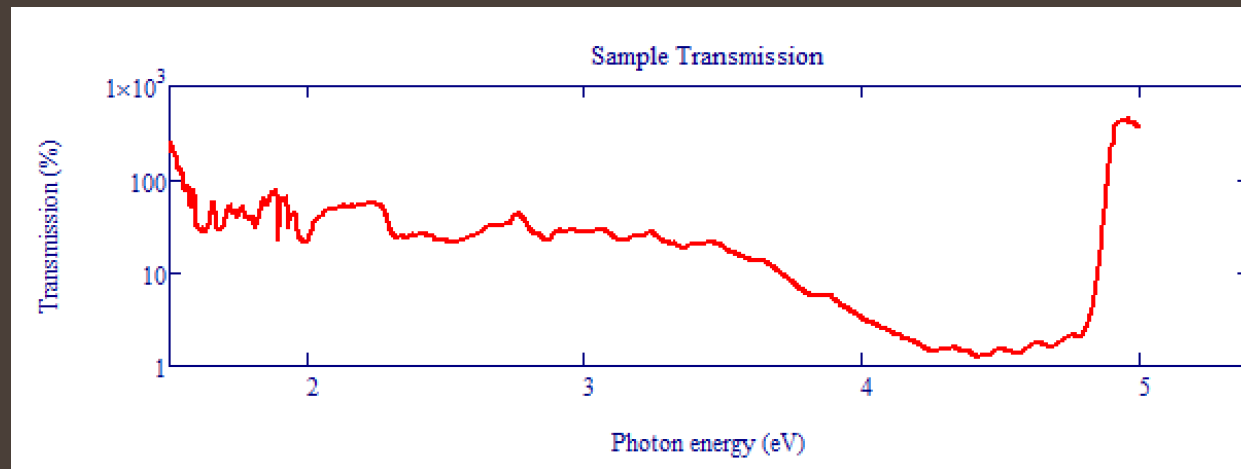
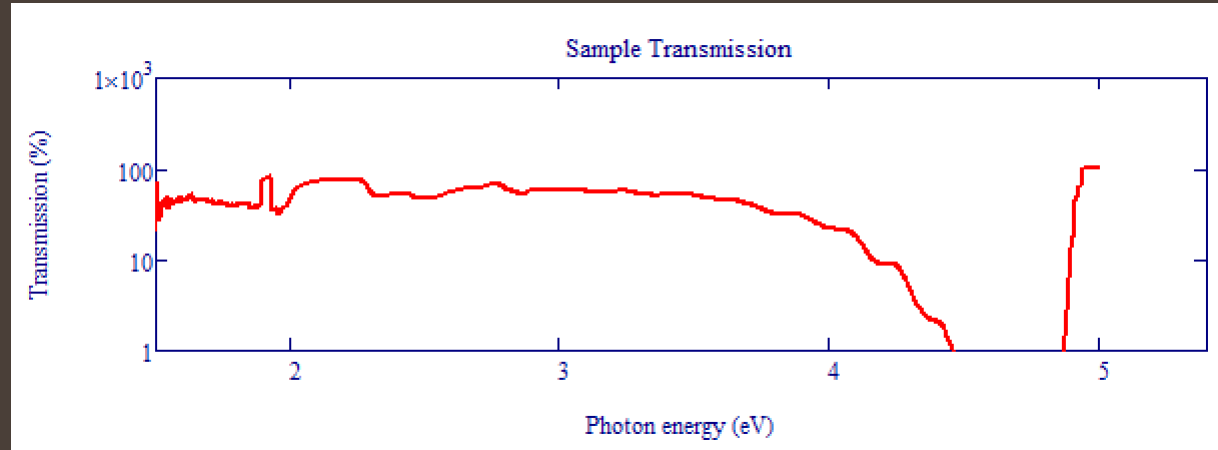




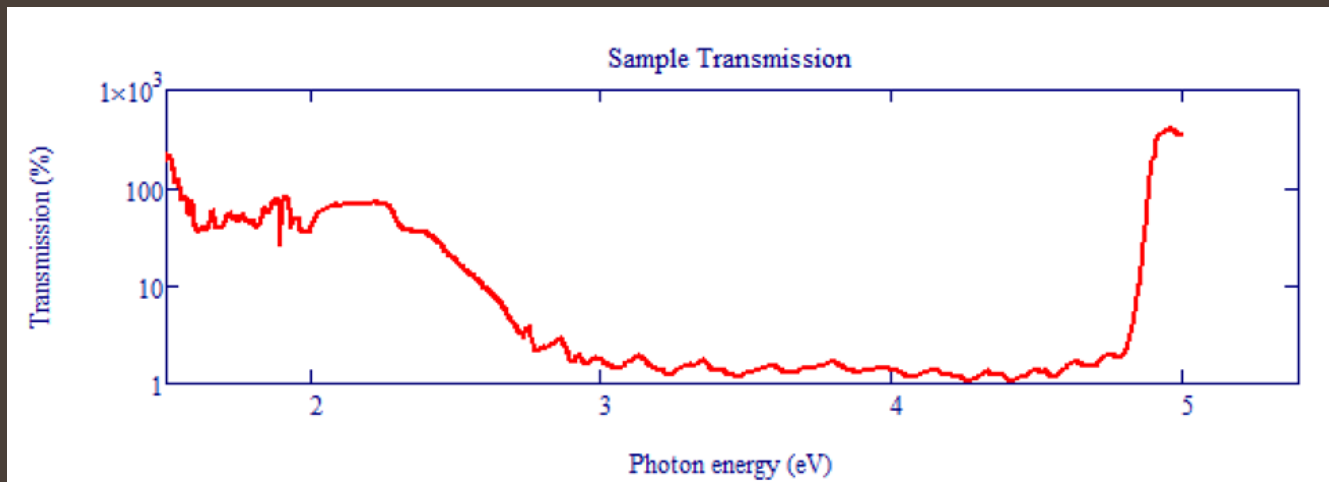
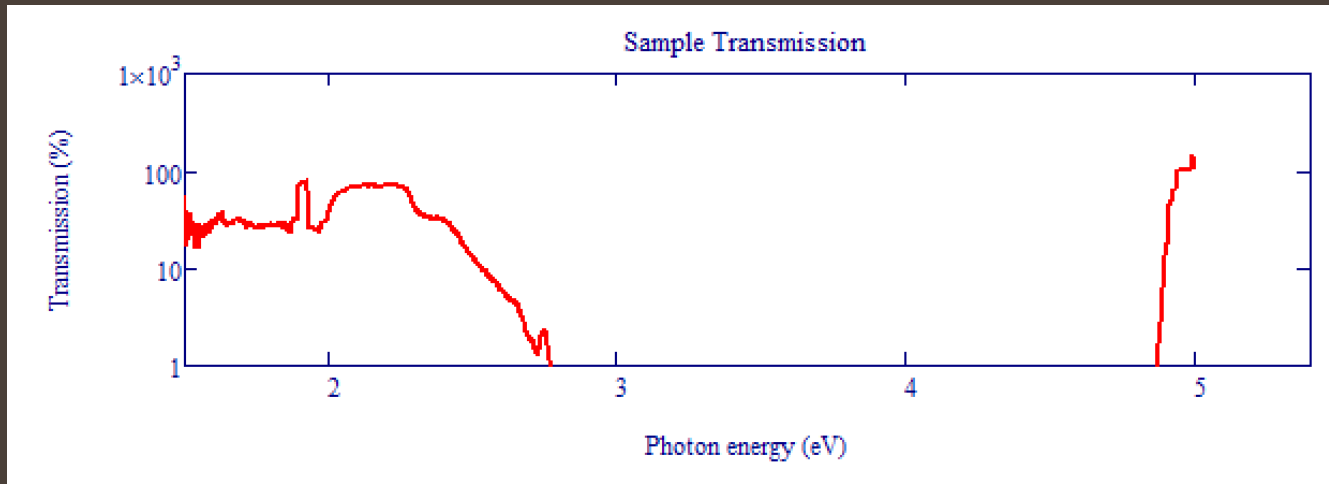
# Polypropylene (PP)



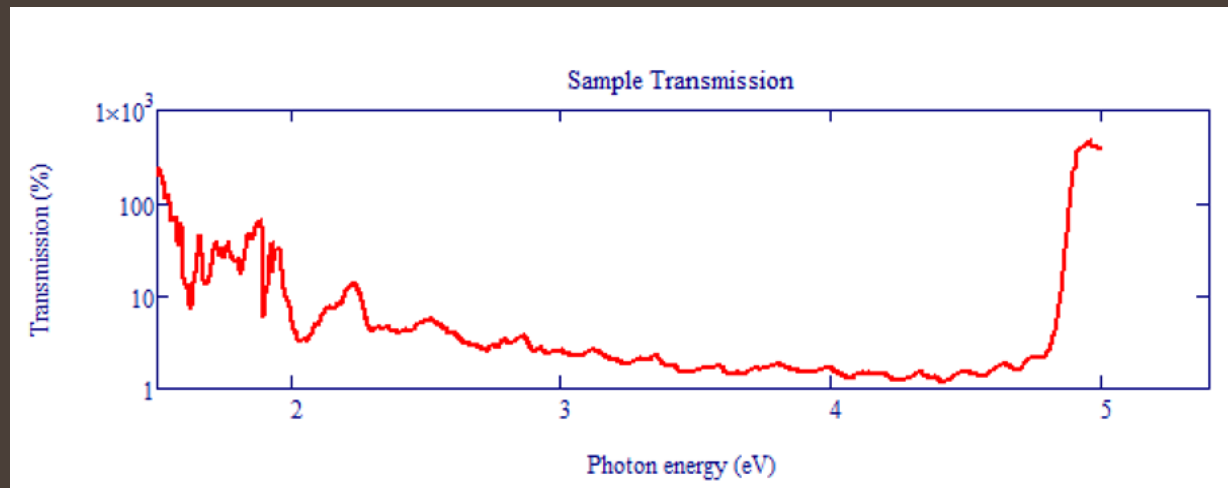
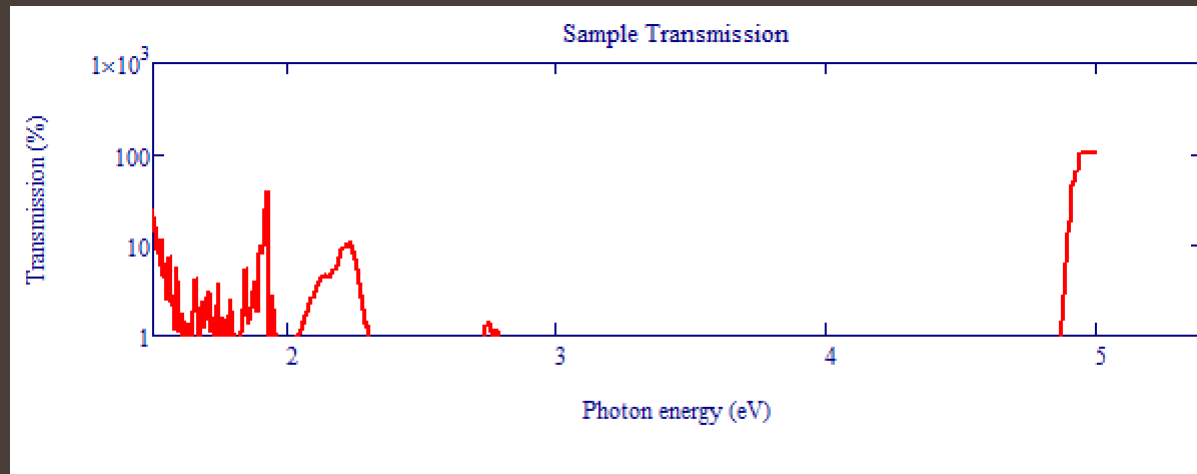
# Low Density Polyethylene (LDPE)



# Polyimide (Kapton)



# Fluorinated Ethylene Propylene (FEP)





Thanks

Materials Physics Group,  
Physics Department, Utah  
State University



Utah State University Honors  
Department

