**Agenda for the Session: Electrostatics In Space!**

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| **Time** | **Activity** | **Time** |
| **8:30-9:00** | **Registration** | **(30 min)** |
| **9:00- 10:40** | **Introduction of Workshop Team/ Workshop agenda/EIS Academy** **Is Space Empty?****Cloud Chamber Demonstration & Activity****& Discussion** | **100 min** |
| **10:40 - 10:50** | **BREAK** | **(10 min)** |
| **10:50-11:20****11:20 - 11:40****11:40 - 12:30** | **Where do the particles/plasma originate ?****(Photons, charged Particles & Plasma)****Discuss solar wind/ CME’s/other stars GCR (Galactic Cosmic Rays)** **CME’s, SPE (Solar Particle Events)** **SOHO Activity to determine size and speed of CME**[**https://sohowww.nascom.nasa.gov/classroom/cme\_activity.html**](https://sohowww.nascom.nasa.gov/classroom/cme_activity.html)SOHO clip of CME:<https://sohowww.nascom.nasa.gov/classroom/cme_activity.html>         **Plasma Investigations with:** **Spectrum tubes w/power source****Plasma Balls****SOHO and SDO as resources** | **30 min****20 min****40 min**  |
| **12:30- 1:15** | **Lunch** | **45 min** |
| **1:15 - 2:10** | **Aurora Explained (Dawn of the North Link)** **Kinesthetic Activity** **Magnetometer in a Bottle****SOFIA Magnetometer Clip**  | **55 min** |
| **2:10 -2:50** | **Define Electrostatics** **Electrostatics Effects** **Discussion on how things move electrostatically**  | **40 min** |
| **2:50 - 3:10** | **Electrostatic Effects on Hubble Demo** **Fun Flyers** **& Discussion** | **30 min** |
| **3:10 - 3:20** | **Break** | **10 min** |
| **3:20 - 4:05** | **Electrostatic effects on Human Physiology****Definitions sheet****View clip: “Could We Survive Prolonged Space TraveL?”**[**https://www.youtube.com/watch?time\_continue=26&v=upp9-w6GPhU**](https://www.youtube.com/watch?time_continue=26&v=upp9-w6GPhU) | **45 min** |
| **4:05 - 4:20** | **Discussion on how to use the tools in the classroom** | **15 min** |
| **4:35 - 4:50** | **EIS/Yerkes Future Plans & Programs, Resources****EIS Academy Opportunities, and Evaluation** | **25 min** |
|  | **Total Instructional Time** | **6.5 hrs** |