



<http://kicp-workshops.uchicago.edu/2017-POEMMA/>

MEETING PROGRAM



<http://kicp.uchicago.edu/>



<https://www.nasa.gov/>



<http://www.uchicago.edu/>

POEMMA (Probe of Extreme Multi-Messenger Astrophysics) mission will consist of two satellites, flying in formation, each with a telescope designed to observe air fluorescence and air Cherenkov signals from ultra-high energy cosmic rays and neutrinos. These state-of-the-art telescopes will reach orders of magnitude higher sensitivity to the highest energy cosmic messengers and be able to observe stereoscopic images of the shower produced by these particles. This open meeting will discuss its current design and possible improvements in preparation for the NASA concept design.

Thursday - April 27, 2017

9:00 AM	Welcome - Angela Olinto
9:15 AM	Current UHRC data - Edivaldo Santos
9:30 AM	Models of UHECRs - Foteini Oikonomou
9:45 AM	Neutrino Fluxes and Detectors - Luis Anchordoqui
10:00 AM	Upgoing Neutrinos - Hallsie Reno
10:15 AM	THEORY TO DO LIST <i>Angela Olinto</i>
10:30 AM	COFFE BREAK
11:00 AM	Simulations UHECR Fluorescence - John Krizmanic
11:15 AM	Simulations UHECR Cherenkov - Andrii Neronov
11:30 AM	Simulations UHE neutrinos Cherenkov - John Krizmanic
11:45 AM	SIMULATIONS TO DO LIST <i>John Krizmanic</i>
12:00 PM	LUNCH
1:30 PM	Optical Design for POEMMA - Pat Reardon
1:45 PM	Bifocal design - Roy Young
2:00 PM	OPTICAL DESIGN TO DO LIST <i>Pat Reardon</i>
2:15 PM	EUSO Focal Surface (FS) - Etienne Parizot
2:30 PM	Two Trigger Questions - Fred Sarazin
2:45 PM	POEMMA FS for Cherenkov - Nepomut Otte
3:00 PM	COFFE BREAK
3:30 PM	Hybrid Options - Mark Chritl
3:45 PM	FOCAL SURFACE TO DO LIST <i>Doug Bergman</i>
4:00 PM	EUSO-SPB UPDATE <i>Lawrence Wiencke</i>
4:30 PM	Flight formation Options - John Mitchell
4:45 PM	Mission Deployment Options - James Adams
5:00 PM	Mission evolution options - James Adams
5:15 PM	MISSION DESIGN TO DO LIST <i>John Mitchell</i>
5:30 PM	DISCUSSION
6:00 PM	END of WORKSHOP