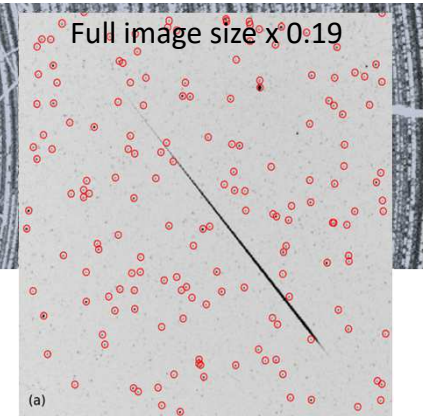


# DIMS Experiment for Dark Matter and Interstellar Meteoroid Study

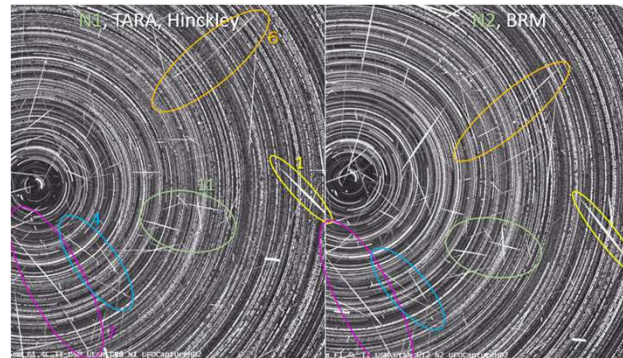
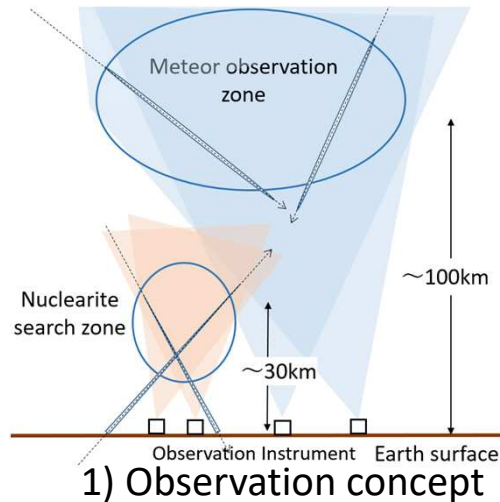
Presenter: F. Kajino (Konan Univ.) for the DIMS collaboration

## Objects

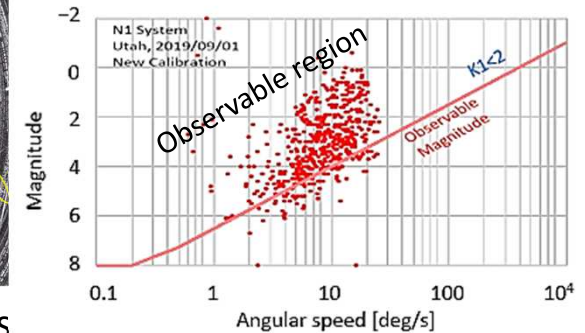
- Search for **nuclearites** as the candidates of the **macroscopic dark matters**
- Study of meteoroids, especially **interstellar meteoroids** etc.



5) ~900 stars up to +8 mag are identified in an image.



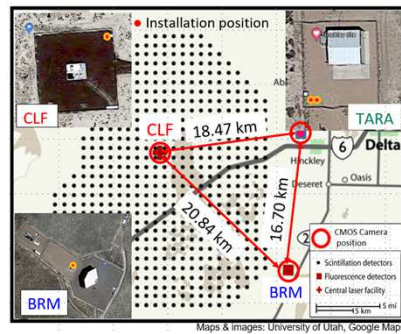
4) DIMS can detect several hundreds of simultaneous meteor events/ night



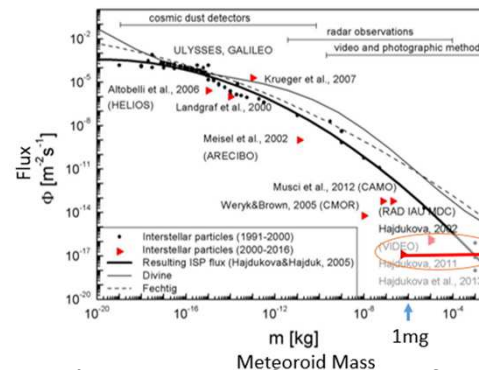
6) Limiting magnitude



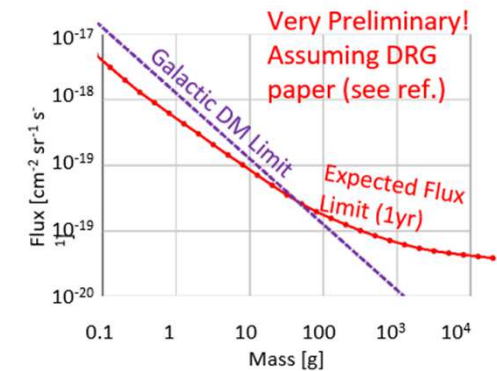
2) High sensitivity camera module



3) Experiment site TA UHECR facility, Utah



7) Expected flux limit for interstellar meteoroid /yr



8) Expected flux limit for nuclearite /yr