2018 LECM High-resolution γ-ray spectroscopy WG Conveners: M. Allmond, M. P. Carpenter, P. Fallon, A. Gade, M. A. Riley

- GRETINA is now in action at ATLAS-ANL and experiments with GRETINA for the first time coupled to the FMA have begun. GRETINA counting rate has achieved up to 50 kHz/crystal and data throughput has been doubled with insignificant lose of energy resolution and position resolution. FMA entrance quad has been upgraded to allow GRETINA target be positioned 30 cm in front of the quad so that the efficiency of collecting recoils has been substantially enhanced. The GRETINA and CHICO combination continue to be an important part of this campaign. In addition, ORRUBA Si-array will be coupled to GRETINA for programs of (d,pγ) and (p,p') studies.
- GRETINA siting recommendations endorsed unanimously by the community:
 - A third GRETINA science campaign at NSCL, as planned, in the period from Spring 2019 through December 2020, for approximately 12-18 months
 - Following the third GRETINA campaign at NSCL, a third GRETINA campaign coupled to the FMA at ANL, for ~12 months
 - GRETINA returns to MSU and is installed at FRIB for the beginning of the "Day 1" Science Program
- Gammasphere has begun a campaign coupled to AGFA to study trans-fermium nuclei. Upgrades to the device are also underway to replace aging electronics used for slow control and provide a tape station for β-decay measurements with CARIBU beams.
- Clovershare has had multiple successful campaigns at various institutions. TAMU, ND, MSU and RCNP. More on the horizon.
- The GRETA project continues full steam ahead with CD-3a decision anticipated this month!