

# Progress on Ultra-Heavy Cosmic-Ray Analysis with CALET on the International Space Station

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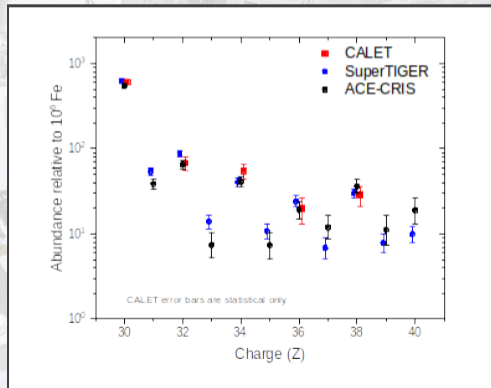
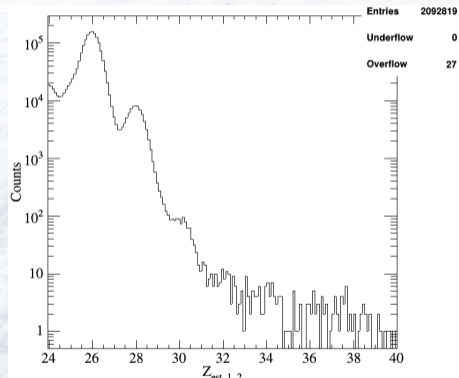
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# Previous ICRC results



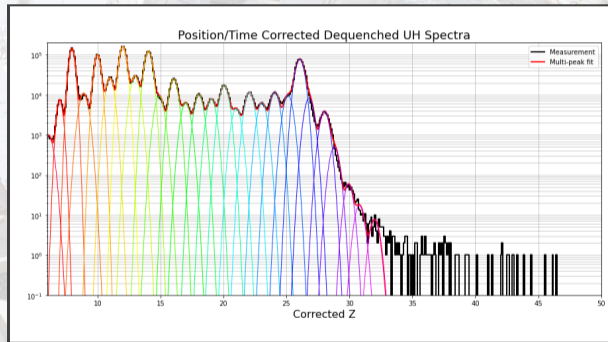
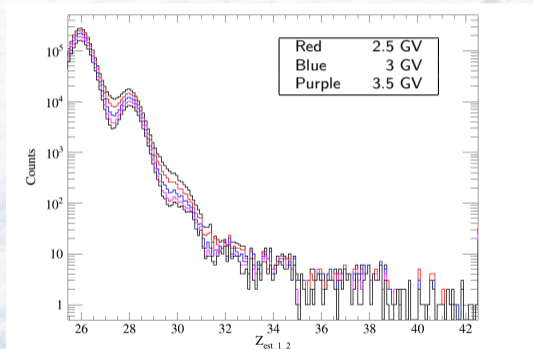
At the last ICRC we showed these UH abundances from  $\sim 34$  months of data collection with the CALET Ultra-Heavy trigger.



# Rigidity Methods



Through use of better rigidity calculations we can improve our results.  
Methods: Angle dependent Störmer calculation (left) and L-shell (right)



~ 5 years of data

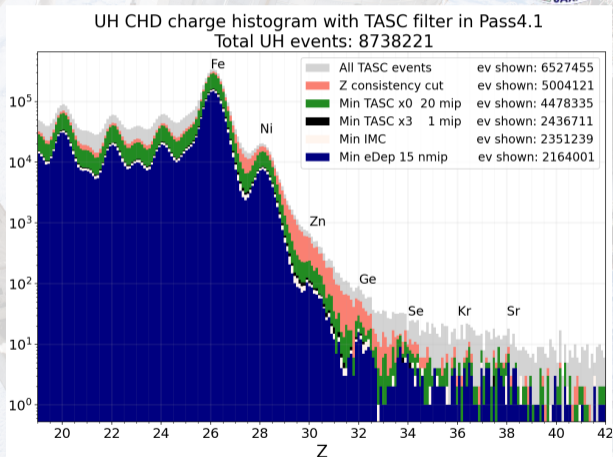
# UHCR TASC Analysis



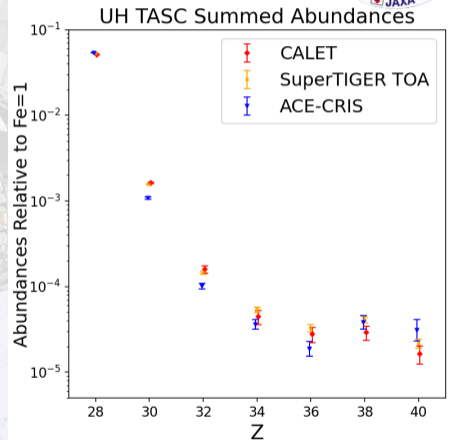
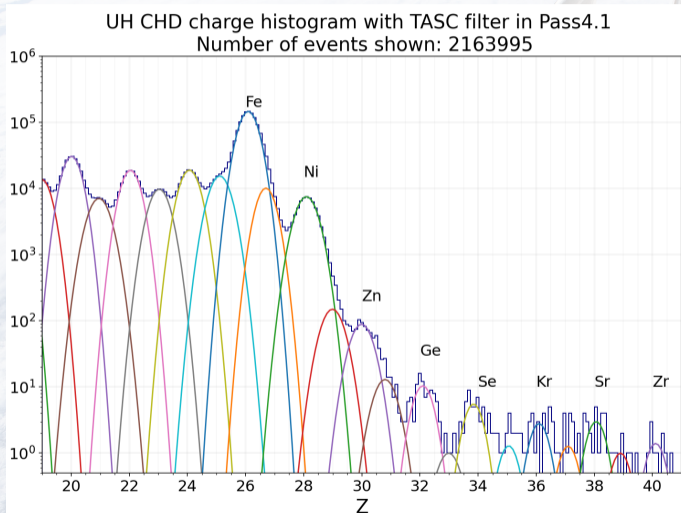
Since the last ICRC, work has begun on a complementary analysis via the data set of events that pass into the TASC, which provides each event with an energy. In this analysis cuts are done for:

- minimum total deposited TASC energy
- minimum TASC first x and third x layer energy
- charge consistency between CHD x and y of  $\leq 2.00\%$

~ 5 years of data



# UHCR TASC Preliminary Abundances



# Acknowledgements



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