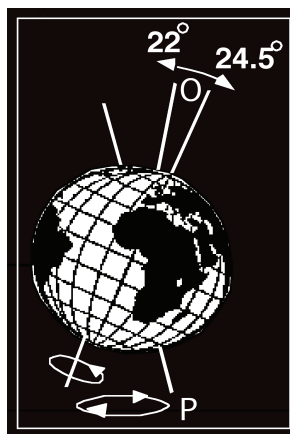
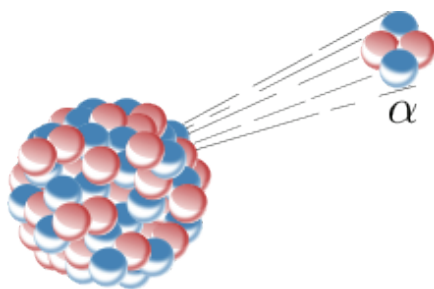


2019 IsoAstro Geochronology Workshop:

The integration and intercalibration of radioisotopic and astrochronologic time scales

June 5-11, 2019, Rock Springs, Wyoming

Co-conveners: Dr. Stephen Meyers, Dr. Mark Schmitz,
Dr. Bradley Singer, Dr. Michael Smith



PURPOSE: U-Pb and $^{40}\text{Ar}/^{39}\text{Ar}$ geochronology provide the backbone of the Geologic Time Scale, while astrochronology has emerged as one of the most important tools for enhancing the accuracy and precision of high-resolution time scales, especially through ash-poor intervals. *This one-week long summer short course and workshop will review the basic theory underlying U-Pb geochronology, $^{40}\text{Ar}/^{39}\text{Ar}$ geochronology, astrochronology and integrated stratigraphy (including bio-magneto-chemo-lithostratigraphy), and provide hands-on experience with data analysis.* An emphasis will be placed upon understanding the challenges inherent in the interpretation of radioisotopic and astrochronologic data, and the power of combining multiple chronometers. The workshop will include practicals on U-Pb and Ar-Ar data processing and interpretation, astrochronology tutorials using the software “Astrochron: An R package for Astrochronology”, and a field trip to study the classic Green River Formation deposits, illustrating the integration of multiple chronometers.

PARTICIPATION: The 2019 IsoAstro workshop is intended for both “consumers” and “producers” of geochronologic data. Undergraduate students (strongly encouraged), graduate students, post-doctoral students and researchers are invited to participate. Depending upon individual need and available funding, partial/full support of participant costs will be supplied. To apply, please complete and submit an application form:

<http://www.geology.wisc.edu/~smeyers/IsoAstro.html>

Applications must be received no later than March 15, 2019.



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