

Session Program

14-19 Jun 2026



CGS18
18th International Symposium on
Capture Gamma-Ray Spectroscopy and Related Topics
14-19 June 2026 Monterey, California

CGS18

Parallel

Monterey, California (USA)
Hilton Garden Inn Monterey

Tuesday 16 June

13:30

Parallel: Parallel 1A

Session | **Location:** Monterey, California (USA), Hilton Garden Inn Monterey

13:30–13:50

Development of the M1 gamma strength function with the neutron number.

Speaker

Prof. Stefan Frauendorf

13:50–14:10

Nuclear structure studies using electron-gamma coincidence reactions

Speaker

Bastian Hesbacher

14:10–14:30

Experimentally constraining the γ -ray strength function of $^{147,148}\text{La}$ using the β -Oslo method

Speaker

Adriana Sweet

14:30–14:50

Measuring $^{39}\text{K}(^3\text{He},\alpha)^{38}\text{K}$ with GODDESS to search for energy levels in ^{38}K important for the $^{37}\text{Ar}(p,\gamma)^{38}\text{K}$ reaction rate

Speaker

Ashwin Nagarajan

14:50

13:30

Parallel: Parallel 1B

Session | **Location:** Monterey, California (USA), Hilton Garden Inn Monterey | **Convener:** Aaron Couture

13:30–13:50

Coulomb Excitation Activation Analysis of Debris from the Fukushima Daiichi Nuclear Power Plant toward Its Decommissioning

Speaker

Taiki Tanaka

13:50–14:10

Pygmy resonance and photon strength functions in ^{204}Tl from resonance neutron capture.

Speaker

Ingrid Knapova

14:10–14:30

On the nature of shape coexistence and quantum phase transition phenomena in odd-even systems

Speaker

José Enrique García Ramos

14:30–14:50

Constraining the ^{85}Rb branching point in the astrophysical γ process

14:50

Speaker

KONSTANTINOS BOSMPOTINIS

15:20

Parallel: Parallel - 2B**Session** | **Location:** Monterey, California (USA), Hilton Garden Inn Monterey | **Convener:** Benjamin Crider

15:20–15:40

Development and Characterization of a CeBr₃ Implantation Detector for β -Decay Spectroscopy at FRIB**Speaker**

Tawfik Gaballah

15:40–16:00

Intermediate-energy Coulomb Excitation of ^{70}Fe **Speaker**

Emma Rice

16:00–16:20

Improving Neutron-Capture γ -Ray Cascade Modeling**Speaker**

Emanuel Chimanski

16:20–16:40

Search for Shape Coexistence Signatures in ^{100}Ru using Thermal Neutron Capture Reaction.**Speaker**

Sangeet-Pal Pannu

16:40

15:20

Parallel: Parallel 2A**Session** | **Location:** Monterey, California (USA), Hilton Garden Inn Monterey | **Convener:** Thibault Laplace

15:20–15:40

The Nuclear Structure of $^{72,74}\text{Ge}$ from Inelastic Neutron Scattering**Speaker**

Erin Peters

15:40–16:00

A study of the $^{85}\text{gKr}(d,pg)$ reaction to constrain the s-process branching point**Speaker**

Sara Carollo

16:00–16:20

New isomers in the neutron-rich rare-earth region studied by DESPEC**Speaker**

Johan Emil Linnestad Larsson

16:20–16:40

Magnetic moments of isomeric states populated in projectile-fragmentation reactions: the region around ^{68}Ni **Speaker**

Konstantin Stoychev

16:40–17:00

Probing shape coexistence in ^{110}Cd using Coulomb excitation

17:00

Speaker

Katarzyna Wrzosek-Lipska

Thursday 18 June

13:30

Parallel: Parallel 3A

Session | **Location:** Monterey, California (USA), Hilton Garden Inn Monterey | **Convener:** Bertis Rasco

13:30–13:50 **Rigid triaxiality in finite nuclei**

Speaker

Amiram Leviatan

13:50–14:10 **Near-threshold resonance search in $^{22}\text{Ne}+a$**

Speaker

Andreas Best

14:10–14:30 **In-beam γ -ray spectroscopy of $^{249, 251}\text{Md}$**

Speaker

Corrigan Appleton

14:30–14:50

Study of shape coexistence and collective properties in ^{94}Zr isotopes via Coulomb excitation measurements

Speaker

Naomi Marchini

14:50

13:30

Parallel: Parallel 3B

Session | **Location:** Monterey, California (USA), Hilton Garden Inn Monterey | **Convener:** Erin Peters

13:30–13:50 **Neutron capture cross section measurements of ^{243}Am**

Speaker

A. Aprahamian

13:50–14:10

Measurement of Elastic and Inelastic Neutron Scattering Cross Sections for ^{51}V at the University of Kentucky Accelerator Laboratory

Speaker

Mr Daniel Araya

14:10–14:30

Determination of the ^{12}C Hoyle state E2 Radiative branching ratio using GODDESS

Speaker

James Christie

14:30–14:50

Constraining the Photon Strength Function of ^{90}Zr from Radiative Capture in $^{89}\text{Y}(p,\gamma)$ measured with GRETINA

Speaker

Kgashane Malatji

14:50

15:20

Parallel: Parallel 4A**Session** | **Location:** Monterey, California (USA), Hilton Garden Inn Monterey | **Convener:** John Kelley

15:20–15:40

Neutron and gamma-ray characterization of the ATHENA NIF energy tuning assembly**Speaker**

Darren Bleuel

15:40–16:00

Two-phonon gamma-vibrational band structures in rare-earth nuclei**Speaker**

Mr Pramod Kumar Nayak

16:00–16:20

Investigation of bound-state β^- -decay half-life of fully ionized ^{205}Tl atom**Speaker**

Dr Priyanka Choudhary

16:20–16:40

Investigating the origin of the anomalous low-energy enhancement of the ^{56}Fe photon strength function**Speaker**

Michael Armstrong

16:40–17:00

Constraining capture cross sections using proton inelastic scattering as a surrogate reaction**Speaker**

Aaina Thapa

17:00

15:20

Parallel: Parallel 4B**Session** | **Location:** Monterey, California (USA), Hilton Garden Inn Monterey | **Convener:** Paul Fallon

15:20–15:40

First Identification of Excited States in ^{78}Zr and Implications for Isospin Non-Conserving Forces in Nuclei**Speaker**

George Zimba

15:40–16:00

Beyond Sphericity in a Semi-Magic Nucleus: Multiple Shape Coexistence in ^{116}Sn **Speaker**

Marco Siciliano

16:00–16:20

Exploring nuclear structure near ^{100}Sn with neutron knockout reactions**Speaker**

Timothy Gray

16:20-16:40

Quadrupole and octupole collectivity in ^{106}Cd explored via "unsafe" Coulomb excitation

Speaker

Desislava Kalaydjieva

16:40