Poster Session (Tentative)

16 Sep., Tuesday

13:30 - 15:20 **Poster session**

P1	Nixon	Angus	Towards a reference for Raman: a comparative study on zircon reference materials for Raman thermochronology
P2	Fonseca	Ana Carolina	Where is zero? Revisiting the damage baseline in zircon Raman dating
P3	Vermeesch	Pieter	Zircon U-Th-Raman dating by internal isochron regression: calibration and assessment of compositional effects
P4	Fukuda	Shoma	Fission tracks in monazite are not amorphous: evidence from Xe ion irradiation and Transmission Electron Microscope observation
P5	Xing	Yukun	Investigating the Influence of Crystallographic Orientation on Monazite Fission Track Results
P6	Xing	Yukun	Six Potential Reference Materials for Monazite LA-ICP-MS Trace Element Analysis
P7	Hayato	Asai	Step etching experiments on monazite with various formation ages: results of fission track length, width and density
P8	Jones	Sean	Refining the Ultra Low-Temperature Annealing Kinetics of Fission Tracks in Monazite: Insights from Ambient and sub-zero Experiments
P9	Haag	Ryan	An assessment of the titanite fission-track thermochronometer on an exhumed fault block, White Mountains, California
P10	Gleadow	Andrew	‘Sphene’ revisited: fission track etching and radiation damage in titanites
P11	Guedes de Oliveira	Sandro	Analytical determination of closure temperatures in Fission-Track systems
P12	Chung	Ling	Toward FAIR Fission-Track Data: Multi-Approach Reassessment of the Sudbury Drill Core
P13	Donelick	Andrew	Toward a Fully Normalized Zeta Age Calibration Factor
P14	Muller	Isabella	Uranium Zoning Evaluation for Fission Track Dating
P15	Muller	Isabella	Fully 3D Visualization and Measurement of Fission Tracks in Apatite
P16	Hasebe	Noriko	Artificial Alpha Recoil Track Formation on Synthetic Zircon: Preliminary Observation
P17	Kohn	Barry	Thermochronology of low actinide apatite in the Neoarchaean Siilinjärvi carbonatite, eastern Finland: a tale of longevity

P18	Rufino	Matheus	Understanding activation energy correlations with apatite chemical composition in Fission-Track Thermochronology
P19	Yang	Chaoqun	Influence of Radiation Damage on Fission-Track Annealing in Apatite
P20	Hu	Jie	Some improvements on in situ triple dating
P21	Li	Zhiwu	Comparison of two dating methods for zircon fission track age in same grain
P22	Cox	Stephen	Integrating apatite and zircon x-ray fluorescence tomography with (U–Th)/He and 4He/3He thermochronology
P23	Haertel	Birk	Disentangling pre- and post-depositional thermal histories with zircon U/Pb-(U-Th)/He-Raman multi-dating
P24	Zhang	Junjie	Dolomite luminescence thermochronometry: a new tool to reconstruct the low-temperature exhumation history of carbonate bedrocks
P25	Ogata	Manabu	Multi-OSL-thermometry of K-feldspar from deep borehole core in the Kitakami Mountains
P26	Bouscary	Chloe	Improving the efficiency of luminescence thermochronometry: advances in preparation, measurement and modelling techniques
P27	Tsukamoto	Sumiko	Constraining partial thermal resetting of quartz and feldspar luminescence signals in fault gouges
P28	Miyazaki	Yu	Natural heating experiments on ESR signals in quartz- the signals observed in samples of KTB borehole cores
P29	Dave	Aditi K	Quartz Electron Spin Resonance (ESR) thermochronometry of borehole sediments from the Anadarko Basin (Oklahoma, USA): Insights on temperature sensitivity and thermal kinetics of quartz ESR signals
P30	Bagdasaryan	Tanya	First results of low-temperature fission-track thermochronology for intrusive rocks of the Karelian Craton, Fennoscandian shield
P31	Bagdasaryan	Tanya	New results of apatite fission-track thermochronology for rocks of the Siberian Platform
P32	Wu	Didi	Proterozoic thermal evolution of SE Laurentia revealed by apatite thermochronology
P33	Ohira	Hiroto	Hydrothermal alteration and cooling history of weathered granitoids in the Okuizumo area, Shimane Prefecture, SW Japan
P34	Xie	Fang	Fine Characterization Based on the Thermal History of Low-temperature Thermochronology: Hydrocarbon Generation Characteristics of Source Rocks in the Jiyang Depression
P35	Jakobsson	Vidar	Assessing intragrain chemical heterogeneities in white mica and their impact on 40Ar/39Ar and Rb-Sr dates
P36	Mounier	Lionnel	Revolutionizing Noble Gas Mass Spectrometry with Emission Suppression Technology

P37	Sudo	Masafumi	40Ar/39Ar dating of Cenozoic alkaline volcanic rocks in the Northern Bohemian Massif, Czech Republic and Germany: Examples of potential recoil effects in high Ca/K rocks
P38	Cox	Stephen	An exploration of gas evolution curve-fitting for 40Ar/39Ar dating
P39	Tian	Yuntao	Exploiting thermochronometric age dispersion: the effect of radiation damage-induced intragranular microcracks in zircon
P40	Maier	Ann-Kathrin	Damage is key: Using radiation-damaged zircons to reconstruct craton evolution in Finnish Fennoscandia
P41	Marsden	Ruby C	Investigating the feasibility of sectioning zircon crystals using a microtome and the suitability of slices for further analyses of trace element distribution with application to (U-Th)/He thermochronology
P42	Maier	Ann-Kathrin	All in one: Reconstructing thermal histories from in situ (U-Th-Sm)/He data of single apatite grains
P43	He	John	Apatite fragments in U-Th/He thermochronology: should they be corrected?
P44	An	Jie	Vesuvianite：A new mineral species of (U-Th)/He geochronology
P45	Colleps	Cody	Assessing apatite 4He/3He systematics with the Fish Canyon Tuff
P46	Wu	Lin	A total dissolution approach to (U-Th)/He dating of inclusion-bearing magnetite
P47	Haviv	Itai	In search of lost time: Deciphering the Paleozoic thermal history of northern Gondwana and the Arabian-Nubian Shield
P48	Hu	Jie	OLG: a new potential reference material for apatite (U-Th)/He dating.
P49	Sobel	Edward	Anatase as a potential (U-Th-Sm)/He Thermochronometer
P50	Ickert	Ryan	Developing U-Th-Sm-Ca-Zr isotopic spikes and reference solutions for the thermochronology community
P51	Amalberti	Julien	Advancing 4He/3He thermochronology to young, low-eU apatite: Toward high-resolution thermal history, and applications from the COOLER project
P52	Friedrichs	Bjarne	Proof of concept: External calibration ICP-MS analysis in apatite (U–Th)/He thermochronometry
P53	Ehrenfels	Maximilian	Laser-Ablation (U-Th)/He Dating of Chromite and Magnetite in Serpentinized Shear Zones: A Novel Approach to Constrain Continental Collision Events
P54	Jensen	Peter Klint	Age nodes derived from horizontal fission tracks
P55	Hoemann	Hagen	Oranges and apples of in-situ (U-Th)/He analysis: optimizing the laser ablation geometries by OptiPit

P56	Kellett	Dawn	Modeling relationships between geological processes, temperature-time histories and low-temperature thermochronometers
P57	Donelick	Ray	A Method of Sorting Mineral Grains into Populations
P58	Noble	Wayne	EarthBank and LithoPlates: A Free and Fully Integrated Tool for Visualising and Analysing Thermochronology Data in Deep-Time
P59	Wang	Nanping	Application of CR-39 Solid State Nuclear Track Method in the Study of Uranium Occurrence in Sandstone Uranium ores
P60	Montiel	Paula	Thermal evolution and formation of supergene mineralization in the El Salvador District, Chile: evidence from geo-thermochronology.
P61	Sato	Keiko	Age rejuvenating during co-seismic faulting sample to release for noble gas analyzed by VG5400, converted the electrical system for NGX
P62	Zwingmann	Horst	Understanding dating of fault zones: flash heating experiments on artificial mixtures of clay, apatite and zircon
P63	Miura	Kazumasa	Optically stimulated and thermos-luminescence measurement of samples collected near displacement associated with “The 2024 Noto Peninsula Earthquake”
P64	Sun	Yuxin	The control of pre-existing structures on the Meso-Cenozoic reactivation in the western Chinese Tianshan
P65	Odlum	Margo	Regional and fault rock geo- and thermochronological evidence for polyphase Cretaceous and Cenozoic deformation along the Porcupine Fault System of Yukon and Alaska
P66	Gallant	Kyle	Updates to the structural and tectonic evolution of the Fra Cristobal range, central New Mexico using field data and thermochronology: Implications for overprinting tectonic events
P67	Shen	Tianyi	Miocene north-directed thrusting along the Great Counter Thrust in southeastern Tibet: Implications for Indian lithosphere underthrusting
P68	Gao	Shibao	Middle Miocene integration of the strike-slip Altyn Tagh Fault, northern boundary of the Tibetan Plateau: Thermochronological constraints

18 Sep., Thursday

14:50 - 16:40 **Poster session**

P69	Ito	Hisatoshi	Magmatic evolution of the Quaternary Tateyama Volcano, northern Japan Alps, revealed by zircon U-Pb dating
P70	Sueoka	Shigeru	Applicability of low-temperature thermochronology to the evolution of young (<~5 Ma) orogenic systems: A case study from the Japanese Islands
P71	Tanaka	Shinji	Zircon Fission-track and U-Pb Chronologies on the Usubetsu Complex as Jurassic-Cretaceous Accretionary Complex in the Oshima Belt, southwestern Hokkaido, Japan
P72	Asahi	Yusuke	Cooling history of the Chugoku Mountains, southwest Japan, revealed by (U-Th)/He thermochronology: preliminary results
P73	Minami	Saki	Reliable exhumation history of the Pliocene granitoid in the Tanigawa-dake area, back-arc side of central Japan, combined 1D heat numerical modeling with thermochronology and Al-in-Hbl geobarometry
P74	Tanaka	Kiriha	Reconstruction of Exhumation History in Tanigawa-dake Area using ESR Thermochronometry
P75	Huang	Shao-Yi	Development of accretionary prism in the Hengchun Peninsula, south Taiwan: thermo-chronological constraints from Apatite U-Th/He ages
P76	Ignacio	Lei Anne Reczyle	Magma Storage and Eruptive History of the Tatun Volcanic Group (Taiwan): Insights from Petrology, Thermobarometry, and combined Zircon U-Th disequilibrium and U-Th/He dating (ZDD)
P77	Kang	Huan	Alternating trench advance and retreat in the North Tianshan Ocean: Insights from Carboniferous magmatism in the Aqishan-Yamansu Belt, Chinese Eastern Tianshan
P78	Liang	Yong	Spatiotemporal patterns of rapid cooling in the Taihang Mountains: a record of crustal dynamics along the eastern North China Craton
P79	Yang	Rong	A comprehensive interpretation of thermochronological data in the Hengduan Mountains with tectonic implications
P80	Wang	Fujun	Late Cenozoic convergence between the Pamir and the Tianshan recorded by zircon and apatite (U-Th-Sm)/He thermochronology
P81	Chang	Jian	Uplift and exhumation in the Tianshan, western China: New insights from detrital zircon morphology and thermochronology
P82	Feng	Qianqian	Thermal Event of The Emeishan Large Igneous Province and Its Resource Effects
P83	Yang	Chaoqun	Constraining the Onset of the Paleo-Red River at ~37 Ma Using In-situ Apatite U-Pb and Fission Track Double Dating of Cenozoic Sediments from the Jianchuan and Gongjue Basins
P84	Pang	Jianzhang	Climate-Driven incision of Yulong Mountain at 2.8 Ma: implication for the reorganization of the Yangtze River
P85	Yu	Taiyan	Mechanism of differential enrichment and preservation of Ediacaran-Cambrian Shale in South China: Insight from tectonic-thermal evolution

P86	Peng	HENG	Middle-Late Triassic transcontinental connection to isolation between the North China Craton and the Paleo-Tethys Ocean
P87	Jiao	Xiaoqin	Sourcing of the Oligocene to Pliocene sediments of the Ningnan Basin: evidence for Tibetan Plateau growth and local faulting unraveled by detrital apatite fission-track and U-Pb double dating
P88	Sakai	Harutaka	Inversely metamorphosed early Miocene fluvial sediments covered by Higher Himalayan Crystalline nappe in eastern Nepal: Hot Iron model
P89	Zhang	Jiawei	Initiation of the Gangdese retroarc fold-and-thrust belt in southern Tibet: Evidence from new geochronologic data of the Late Cretaceous Shexing Formation
P90	Lei	Qingqing	Multi-system Thermochronology Constraints on Thermo-tectonic Evolution of the Qiangtang Terrane in Central Tibetan Plateau
P91	Guo	Chao	Cenozoic growth and geodynamics of the northeastern Tibetan Plateau: Insights from low-temperature thermochronology in the West Qinling
P92	Ge	Yukui	Decaying relief of the Yarlung Tsangpo valley since the Eocene
P93	Yifan	Yang	Convergence between Indian-Asian plates, insights from detrital thermochronology of Late Cretaceous to Early Cenozoic basins within the India-Asia collision zone
P94	Bouscary	Chloe	Resolving Quaternary Nepalese Himalayan tectonics using Pecube
P95	Li	Guangwei	Symmetrical Turn-Shaped Detrital AFT Age Patterns as a Diagnostic Fingerprint of Fault-Driven Sediment Recycling in Active Basin-Mountain
P96	Shi	Zhe	Uplift and erosion history of Mongolian Altai Mountains using thermochronological methods
P97	VanDyke	Eli	Applying Low-temperature Thermochronology to Constrain the Timing and Magnitude of Deformation in Mongolian Walled Basins
P98	Sobel	Edward	The Gez profile: Thermochronologic and structural constraints on deformation in the Northeast Pamir
P99	Gemignani	Lorenzo	Tectono-thermal evolution of the eastern Balkan: constraints from low-temperature thermochronometry
P100	Balestrieri	Maria Laura	The Miocene tectonic evolution of the northern sectors of the Iranian Plateau: insights from thermokinematic modelling into plateau building processes
P101	Sobczyk	Artur	Late Cenozoic brittle deformations and stepwise exhumation along the central segments of the Main Caucasus Thrust (42–46°E), Greater Caucasus, Georgia
P102	Sobczyk	Artur	Tectonically-driven constant erosion rates in the Tatra Mountains (Western Carpathians) over the past 10 million years
P103	Gemignani	Lorenzo	Oligocene Slab Break-Off and Pleistocene Glacial Erosion Controlled the Tectonic Evolution of the Dent Blanche Tectonic System, Western Alps
P104	Rahn	Meinert	Exhumation history of Northern Switzerland reconstructed by three time slices

P105	Cardello	Giovanni Luca	New constraints on the exhumation of the Rawil depression and on late vertical movements along the Simplon-Rhône Fault, Switzerland
P106	Profeta	Lucia	Testing detrital apatite fission-track as a tool for quantifying erosion rates during the Paelocene-Eocene Thermal Maximum, Pyrenees, Spain
P107	von Hagke	Christoph	Uplift and exhumation of the North Alpine Foreland Basin
P108	Wapenhans	Isabel	Quaternary glacial erosion recorded by low-temperature thermochronology in the Tauern Window, Eastern European Alps
P109	Machaca Sardon	Cristian Miguel	Thermokinematic restoration on the Marañón Fold and Thrust Belt across the Cordillera Blanca and Eastern Cordillera, Peru.
P110	Calderon-Diaz	Laura	Distinguishing between post-orogenic cooling and orogenic erosion along the Central Cordillera of Colombia
P111	Patino Acevedo	Ana Maria	Low-Temperature Exhumation Patterns in the Northern Chilean Forearc (22.5-24.5°S)
P112	Lima	Samuel	Spatial Variability in Thermal Resetting and Maximum Burial Temperatures in the Eastern Parnaíba Basin (Brazil): Insights from Zircon (U–Th)/He Data
P113	Assis	Andre	Thermo-tectonic evolution and sediment provenance of the eastern Parnaíba Basin (NE Brazil): Implications for Cretaceous sea connectivity with the Araripe Basin
P114	Danisik	Martin	Holocene collapse of Socompa volcano (Andes) constrained by multi-system geochronology and Bayesian age sequence modelling
P115	Boyd	Abigail	Reconstructing the drivers of exhumation within the Canadian Rocky Mountain fold-thrust belt using low-temperature thermochronology
P116	Wang	Xi	Thermochronologic Constraints on the Exhumation History of Porphyry Systems in the Quesnel Terrane, Canadian Cordillera
P117	Qiao	Xin	Records of paired uplift-subsidence along the western margins of North America: a thermochronological study of Vancouver Island, Canada
P118	Margirier	Audrey	Constraining late Cenozoic exhumation and canyon incision across the Colorado Plateau using apatite (U-Th-Sm)/He, apatite fission-track and electron spin resonance thermochronology
P119	Falkowski	Sarah	Glacial catchment erosion from detrital zircon (U-Th)/He thermochronology: Patagonian Andes
P120	Mansour	Sherif	The Gulf of Suez, Active versus Passive Rift or Far-Field Thermal Overprint
P121	Hesthammer	Jostein	Evaluating the Magnitude of Cryogenian Erosion in the Flinders Ranges region, South Australia, Using AFT, ZFT, and Zircon U–Th/He Thermochronology