

Program
Meeting of isotope-ratio mass spectrometry
20-22 November, 2002

Wednesday, November 20

Oral presentation

15:00-15:30

Yoichi ASADA

Isotopic effect of zinc in chemical exchange reaction

15:30-16:00

Yasuhiko FUJII

Isotope effects in chemical exchange reactions of f-electron elements

16:00-16:30

Sho SASAKI

Development of a new reflectron type TOF mass spectrometer for dust analysis in space

16:30-17:00

Tea break

17:00-17:30

Noriko T. KITA

Dead time correction of pulse counting system for the SIMS Mg isotopic ratio measurement and its application to the meteorite chronology

17:30-18:00

Short presentation for poster

P1: Noriko EBISAWA

Noble gas components in the Zag meteorite

P2: Takayuki USHIKUBO

Ion microprobe analyses of Mg isotopes and REE patterns of CAIs and their rims

P3: Hirochika SUMINO

Noble gas isotopic compositions of mantle derived xenoliths from Cheju Island

P4: Toru YADA

Oxygen isotopic compositions of Antarctic spherules

P5: Tatsuya SUZUKI

Isotope fractionation caused by zinc adsorption on crown ether resin

P6: Maho YAMADA

Mg isotope fractionation of solid forsterite

P7: Yousuke MIYAIRI

The estimate of modern carbon contamination during the humic acid treatment

P8: Yuriko ONO

Application of density-functional theory for carbon isotope effects in Ni(CO)₄/CO exchange system

P9: Yurika TACHIBANA

Noble gas study of olivine megacrysts in kimberlites from Monastery, South Africa

P10: Yuji ORIHASHI

Zircon geochemistry of Mid-Miocene adakites in the southern Patagonian province

P11: Jung In CHUNG

The studies of isotopic compositions of noble gases in quartz from S-/I-type granitic rocks of Australia

P12: Young-Shin JEON

Measurement of low abundance isotopes of uranium by TIMS

P13: Young-Shin JEON

A study of some isobaric effect on gadolinium isotope measurement by TIMS

P14: Toshiyuki FUJII

Mass-independent isotope effects in the chemical exchange reaction

18:30-20:00

Dinner party at KAL Hotel

20:00-22:00

Poster session core time

Thursday, November 21

Oral presentation

9:00-9:30

Yoshiro NISHIO

Lithium isotopic ratios detect the alien component in the subarc mantle

9:30-10:00

Minoru KUSAKABE

Helium isotopic ratios and geochemistry of volcanic fluids from the Norikura Volcanic Chain, central Japan: Implications for crustal structures and seismicity

10:00-10:30

Seung-Gu LEE

REE abundance in a fraction of Leedeey and Duwon chondrite

10:30-11:00

Tea break

11:00-11:30

Akimasa MASUDA

Apparent convergence of relative abundance curves for Leedeey chondrite exhibited as a function of ionic radius

11:30-12:00

Short presentation for poster

P15: Takaaki FUKUOKA

First discovery of monazite in volcanic rock

-Monazite in pumice of Toya pyroclastic flow deposit, southwest Hokkaido, Japan-

P16: Takamasa HAYASHI

Ce, Nd and Sr isotopic geochemistry on mantle wedge below Japan arc: the quantitative estimation of source material of island arc volcanics

P17: Yuichi MORISHITA

Isotope mass fractionation during evaporation of Si melt

P18: Kentaro TERADA

U/Pb and Mn/Cr systematics of micrometeorites

P19: Kenji HORIE

Isotopic evidence for trapped fissiogenic REE and nucleogenic Pu into apatite at the Oklo natural reactor

P20: Daisuke NAKASHIMA

Formation history of CI-like phyllosilicate-rich clasts in the Tsukuba meteorite inferred from mineralogy and noble gas signature

P21: Masayo MINAMI

Sr isotopic ratio of sediments in Lake Biwa -Environmental change in the past a hundred of years-

P22: Junji YAMAMOTO

Occurrence of noble gases in mantle minerals

P23: Chikako NISHIMURA

Search for the cause of mass extinction at the Permian-Triassic boundary by measurement of noble gas isotope ratios

P24: Takayuki FUJIMOTO

Measurement of noble gases trapped in nanometer sized SiC coated diamond

P25: Akihiro SETA

The isotopic evolutions of $^{87}\text{Sr}/^{86}\text{Sr}$ and $^{143}\text{Nd}/^{144}\text{Nd}$ in the mantle reservoirs: An application of "Osaka model"

P26: Masako YOSHIKAWA

Sr-Nd-Pb isotopic and geochemical signature of basalts in Cheju Island, Korea

P27: Tomoyuki SHIBATA

The Sr, Nd and Pb isotope variations from single hand specimen of submarine volcanic rock from Hana Ridge, Hawaii

12:30-14:00

Lunch

14:00-16:00

Poster session core time

Tea service

16:00-16:30

Takeshi OHNO

Iron isotopic analysis for human blood

16:30-17:00

Minoru OZIMA

Planet pollution in the Sun: Noble gas evidence in lunar soils?

17:00-18:30

Special Talk: Takafumi HIRATA

Inductively Coupled Plasma-Mass Spectrometry

18:30-

Dinner

Friday, November 22

Oral presentation

9:00-9:30

Akihisa MOTOKI

Lithology, mode of occurrence, and K-Ar ages of the Lautaro Volcano, Chilean Patagonia, South America

9:30-10:00

Tetsumaru ITAYA

K-Ar and Ar-Ar chronology of Ogcheon metamorphic rocks, South Korea

10:00-10:30

Jisun PARK

Noble gas studies of Martian meteorites from hot deserts

10:30-11:00

Tea break

11:00-11:30

Keisuke NAGAO

Noble gas study of three Nakhilites Yamato-000593, -000749 and -000802: Martian meteorites from Antarctica

11:30-12:00

Tomoki NAKAMURA

Noble-gas signatures and mineralogy of the carbonate-rich lithology of the Tagish Lake carbonaceous chondrite: Evidence for an accretionary breccia

Katsuhiko SUZUKI (Abstract only)

Re-Os isotope systematics of mantle peridotites from over 300 km depth in China