LSC 2010 agenda – Poster sessions

Instrumentation, methods and scintillators

- Design of a reflective coating for a plastic scintillation detector.
  A. Tarancon (Spain). P-64

- Single versus two phototubes LS systems.
  P. Theodorsson (Iceland). P-84

- Highly lead-loaded red plastic scintillator as an X-ray imaging system for the Megajoule laser.
  M. Hamel (France). P-88

Applications in geology, geochronology and datation

- Balanced energy C-14 dating counting window, maximizes stability and minimizes quench correction.
  P. Theodorsson (Iceland). P-90

Radionuclide metrology using LSC

- Radiopharmaceutical C-11 activity measurement by Cerenkov-TDCR.
  C. Thiam (France). P-21

- The experience in application of the CIEMAT/NIST method at CENTIS-DMR.
  P. Oropesa (Cuba). P-53

- Development of a Cerenkov-gamma coincidence detector for Mn-56.
  F. Ogheard (France). P-67

- Standardization of F-18 by digital LSC-NaI coincidence method.
  D. Rodrigues (Argentina). P-80

- Liquid Scintillation analysis of $^3$H and $^{14}$C with Hidex TDCR counter by comparison with common Liquid Scintillation counters.
  R. Le Meignen (France). P-93

- TDCR method research in NIM.
  Y. Yang (China). P-95

Application in environmental monitoring

- Comparative study of gross alpha and beta measurement in drinking waters.
  J. Melo (Portugal). P-14

- Monitoring of tritium in air during distillation of used O-18 water.
  Y. Ogata (Japan). P-23

- Fast determination of natural radionuclides using LS spectrometry.
  I.A. Kashirin (Russia). P-30

- Some aspects of selective Pu extraction and activity measurement Quantulus.
  A. Komosa (Poland). P-34

- Control of tritium in drinking and groundwater in Latvia.
  O. Veveris (Latvia). P-37
Application in environmental monitoring (cont’d)

- Tritium and gamma emitters in Slovenian groundwater.
  J. K. Logar (Slovenia). P-41

- C-14 levels in finnish environment.
  V.P. Vartti (Finland). P-50

- Ni-63 and Sr-90, Pu and Am in Chernobyl cloud at Krakow Poland.
  K. Kleszcz (Poland). P-51

- An anomalous efficiency curve for Ra-228 in LSC
  S. Chalupnik (Poland). P-52

- LSC methods for radionuclide immission measurements in northern Switzerland.
  H. Beer (Switzerland). P-79

Applications based on alpha/beta spectrometry

- Assessment of gross alpha/beta activities in water samples.
  L. Cerchietti (Argentina). P-48

- Alpha beta misclassification corrections in LSC in water samples.
  M. Magnoni (Italy). P-66

Data evaluation and spectrum analysis

- Building an unified spectra library of LSC for Tricarb.
  S.V. Malinovsky (Russia). P-31

- The use of RADSPECTRADEC software for alpha radionuclides determination in PERALS method.
  V.A. Tikhomirov (Russia). P-32

- Influence of quenching and PSA level on Sr-90, H-3 and Am-243 measurements.
  A. Komosa (Poland). P-33

- Construction of the beta spectra on the basis of experimental nuclear decay data.
  V. Gorozhankin (Russia). P-68

- Unusual spectra measured with Quantulus.
  S. Chalupnik (Poland). P-72

Calibration and standardization

- TDCR measurements on Pu-241 at NIST.
  D.E. Bergeron (USA). P-11

- Primary measurement of F-18 activity with LS coincidence counting for nuclear medicine in Korea.
  K.B. Lee (Korea). P-18

- Absolute standardization of Cs-137 and Cs-134.
  W.M. van Wyngaardt (South Africa). P-19

- Standard methods for tritium activity concentration measurements by LSC.
  C. Varlam (Romania). P-39
Calibration and standardization (cont’d)

– Calibration curves for low-level tritium concentration in aqueous samples.
  I. Faurescu (Romania). P-43

– Calibration of LS analyzer and Ge(HP) with I-129 to measure I-125 in ionization chamber.
  V. Aghazarian (Argentina). P-47

– Influence of detection efficiency on the measurement of radon by LSC.
  C. Ivan (Romania). P-76

Decommissioning and remediation studies

– Analysis of H-3 by LSC for dismantling control.
  P. Fichet (France). P-45

Applications in bioscience and medicine

– Determination of Sr-90 impurities in Mo-99.
  V. Aghazarian (Argentina). P-49

  R. Ko (Canada). P-86

Radionuclides in nuclear material and waste matrices

– LSC analysis on wastes matrices.
  L. Pierry (France). P-20

– C-14 and H-3 determination of graphite target wheels.
  D. Schumann (Switzerland). P-38

– Application of LSC-based techniques realized on Quantulus 1220 for rapid assay of LWR, resulting from nuclear transport facilities.
  A. Ermakov (Russia). P-78