

15th International Conference on Nuclear Data for Science and Technology (ND2022)

Monday 25 July 2022

Measurements: I - Folsom (09:30-11:00)

-Conveners: Mark Chadwick

time	[id] title	presenter
09:30	[3] Experimental activities and plans at the neutron time-of-flight facility n_TOF at CERN	MENGONI, Alberto THE N_TOF COLLABORATION
09:54	[6] Measurement of the ^{35}Cl radiative neutron capture cross section at the n_TOF facility, CERN	BENNETT, Sam THE N_TOF COLLABORATION
10:06	[169] New perspectives for neutron capture measurements in the upgraded CERN-n_TOF Facility	LERENDEGUI, Jorge THE N_TOF COLLABORATION

Measurements: II - Folsom (11:45-13:15)

-Conveners: Keegan Kelly

time	[id] title	presenter
11:45	[170] History of fission nuclear data from 1939-1945 and evolution to today's understanding	CHADWICK, Mark
12:09	[171] Measurement of the $^{232}\text{Th}/^{235}\text{U}$ fission cross section ratios at the Back-n white neutron source of CSNS	REN, Zhizhou
12:21	[172] Results on the ^{233}U α -ratio, prompt fission γ -ray spectra and isomeric fission states measured at n_TOF	BACAK, Michael
12:33	[173] Towards the experimental validation of a small Time-Projection-Chamber for the quasi-absolute measurement of the fission cross section	CHATEL, Carole
12:45	[174] Measurement of neutron-induced fission cross sections of U-235 and U-238 relative to n-p scattering at CSNS Back-n facility	CHEN, Yonghao
12:57	[175] Method to Compare Fission-To-Scattering Ratios using Uranium-238	DASKALAKIS, Adam

Tuesday 26 July 2022

Measurements: III - Folsom (06:00-07:30)

-Conveners: Gilles Noguere

time	[id] title	presenter
06:00	[189] First high-resolution $^{80}\text{Se}(n,\gamma)$ cross section measurement between 1 eV and 100 keV and its astrophysical implications for the s-process	BABIANO-SUAREZ, Victor N_TOF COLLABORATION
06:24	[190] The Stellar $^{72}\text{Ge}(n,\gamma)$ Cross Section for weak s-process: A First Measurement at n_TOF	DIETZ, Mirco THE N_TOF COLLABORATION
06:36	[191] Direct measurements of $^2\text{H}(\alpha, \gamma)^6\text{Li}$ cross section at Big Bang energies and the primordial lithium problem.	GERVINO, Gianpiero
06:48	[192] Stopping power of ions in matter: current status of experimental data and theoretical description	MONTANARI, Claudia
07:00	[193] Hydrogen isotopes emissions from the nuclear muon capture reaction in silicon	MANABE, Seiya

Measurements: IV - Folsom (09:30-11:00)

-Conveners: Beatriz Jurado

time	[id] title	presenter
09:30	[195] GRAPhEME: performances, achievements (@EC-JRC/GELINA facility) and future (@GANIL/SPIRAL2/NFS facility)	KERVENO, Maelle
09:54	[196] Activation Cross-Sections for Short-Lived Reaction Products on Hafnium Isotopes Induced by 1 – 20 MeV Neutrons	SEMKOVA, Valentina
10:06	[197] Cross Section Measurements and Theoretical Study of the $^{174,176}\text{Hf}(n,2n)^{173,175}\text{Hf}$ Reactions	VLASTOU, Rosa
10:18	[198] Transmission measurements of thick $^{\text{nat}}\text{Fe}$ targets at nELBE	BEYER, Roland
10:30	[199] Measurement of Photoneutron Yields Using the RPI LINAC and Assessment of Evaluated Photoneutron Data for Tantalum and Beryllium	EPPING, Brian
10:42	[200] Thermal cross section measurements at the RPI LINAC	FRITZ, Dominik

Measurements: XIII (capture) - Capitol (11:15-12:45)

-Conveners: Adina Olacel

time	[id] title	presenter
11:15	[202] First precise measurement of the U-235 neutron capture cross-section at thermal and sub-thermal neutron energies	WALLNER, Anton
11:39	[231] Neutron capture and total cross-section measurements on $^{94,95,96}\text{Mo}$ at n_TOF and GELINA	MUCCIOLA, Riccardo THE N_TOF COLLABORATION
11:51	[233] Radiative capture cross section measurements of ^{54}Fe at the RPI LINAC	SINGH, Sukhjinder
12:03	[234] Measurement of neutron capture cross section and capture gamma-ray spectrum of Te-128 in keV-neutron energy region	KATABUCHI, Tatsuya

12:15	[235] Results of the ^{244}Cm , ^{246}Cm and ^{248}Cm neutron-induced capture cross sections measurements at EAR1 and EAR2 of the n_TOF facility	ALCAYNE, Victor THE N_TOF COLLABORATION
12:27	[236] Neutron Capture Cross Section Measurement and Resonance Analysis of Pd-107 Using ANNRI at MLF/J-PARC	NAKANO, Hideto

Measurements: V - Folsom (11:15-12:45)**-Conveners: Hye Young Lee**

time	[id] title	presenter
11:15	[201] Indirect measurements of neutron-induced reaction cross-sections at storage rings	JURADO, Beatriz
11:39	[203] Time-of-flight measurements of MINERVE samples containing fission products and neutron absorbing isotopes	NOGUERE, Gilles
11:51	[204] Measurement of the $^{235}\text{U}(n,f)$ cross section relative to the $^{10}\text{B}(n,\alpha)$ reaction with Micromegas detectors at the CERN n_TOF facility: first results	MICHALOPOULOU, Veatriki THE N_TOF COLLABORATION
12:03	[205] Design and Simulation of a Next-Generation Dual n-gamma Detector Array at Los Alamos National Laboratory	BENNETT, Eames
12:15	[206] Measurement of the $^{233}\text{U}(n,\gamma)$ cross section at LANSCE	LEAL CIDONCHA, Esther

Wednesday 27 July 2022

Measurements: VI - Folsom (06:00-07:30)

-Conveners: Frank Günsing

time	[id] title	presenter
06:00	[207] The past and the future of the GAINS spectrometer @ GELINA	Dr OLACEL, Adina
06:24	[209] Measurements of $^{35}\text{Cl}(n,x)$ reaction cross sections	NAGEL, Tyler
06:36	[210] Direct measurements of neutron-induced charged-particle reactions on radioactive ^{59}Ni and ^{56}Ni	LEE, Hye Young
06:48	[211] A new measurement on $^{56}\text{Fe}(n, \text{inl})$ using GAINS at GELINA	NEGRET, Alexandru
07:00	[322] Beta-delayed neutron emission - a new opening	GRZYWACZ, Robert

Measurements: VII - Folsom (07:45-09:15)

-Conveners: Alberto Mengoni

time	[id] title	presenter
07:45	[216] The $^{41}\text{Ar}(n, \gamma)^{42}\text{Ar}$ reaction	Dr SAHOO, Rudra N.
07:57	[215] Cross section measurements of $^7\text{Li}(d,x)$ tritium and beryllium production, $^{39}\text{K}(n,p)^{39}\text{Ar}$ for HPRL	KOLIADKO, Daniil
08:09	[217] Nuclear Data Gone Awry: Error in the IAEA Beam Monitor Reference Cross Section, $^{\text{nat}}\text{Ni}(n,x)^{61}\text{Cu}$, Discovered while Measuring a Discrepant $^{40}\text{Ar}(n,p)^{41}\text{Ar}$ Reaction.	BLEUEL, Darren
08:21	[218] Photoneutron cross section measurements on ^{208}Pb	IOANA GHEORGHE, Adriana
08:33	[213] (WITHDRAWN) Programme for the measurement of (α, xn) reaction yields and neutron spectra in Spain: the MANY collaboration	CANO-OTT, Daniel

Measurements: VIII - Folsom (11:00-12:30)

-Conveners: Darren Bleuel

time	[id] title	presenter
11:00	[219] Cross Section Measurements of (n,x) Reactions at 17.9 and 18.9 MeV Using Highly Enriched Ge Isotopes	CHASAPOGLOU, Sotirios
11:24	[220] First LANSCE result on differential cross sections of the $^{16}\text{O}(n, \alpha)$ reaction	YOUNG LEE, Hye
11:36	[222] The $^{35}\text{Cl}(n,p)^{35}\text{S}$ cross section measured at n_TOF-CERN facility	AMAR, Hamza
11:48	[223] Monoenergetic neutrons from the $^9\text{Be}(p,n)^9\text{B}$ reaction induced by 35, 40 and 45 MeV protons	CHAVAN, Vivek
12:00	[224] Excitation functions of ^3He - induced nuclear reactions on natural copper up to 55 MeV	Prof. KHANDAKER, Mayeen

Thursday 28 July 2022

Measurements: IX - Folsom (06:00-07:30)

-Conveners: Maelle Kerveno

time	[id] title	presenter
06:00	[225] Prompt fission neutron spectra in the $^{235}\text{U}(n,f)$ reaction	MAUSS, Benoit
06:24	[226] Measurement of the ^{241}Am neutron capture cross section at the n_TOF facility at CERN	GUNSING, Frank
06:36	[227] Am-241 thermal neutron capture cross section and neutron capture resonance integral from reactor activation and oscillation measurements	ŽEROVNIK, Gašper
06:48	[228] Measurement of the Neutron Capture Cross Section of Am-243 with the ANNRI beamline, MLF/J-PARC	KODAMA, Yu
07:00	[229] Photo activation measurements of the $^{209}\text{Bi}(\gamma, xn)$ nuclear reaction parameters at the LINAC 200, JINR facility in the energy range from 40 MeV to 100 MeV	JOVANCEVIC, Nikola
07:12	[230] Measurement and analysis of the neutron total cross sections of ^{209}Bi on the Back-n beam line at CSNS	FENG, Song

Measurements: X - Folsom (07:50-09:20)

-Conveners: Alexandru Negret

time	[id] title	presenter
07:50	[238] The Neutron Scattering Cross Section and Angular Distribution Measurement Program at LANL	KELLY, Keegan
08:14	[239] Measurement and evaluation of partial and total (n,xn) reaction cross-sections on highly radioactive nuclei of interest for energy production application.	CLAEYS, Francois
08:26	[240] On the need for precise nuclear structure data for high quality (n, n' γ) cross section measurements	HENNING, Greg
08:38	[241] Neutron production double differential cross section from Carbon, Niobium and Bismuth targets bombarded by 290 MeV/u ^{136}Xe ions	MOON, Dal-Ho
08:50	[243] Measurements of the $^{56}\text{Fe}(n, n'\gamma)$ reaction at GENESIS	GORDON, Joseph
09:02	[424] A segmented total energy detector (STED) for (n, γ) cross section measurements at n_TOF EAR2	ALCAYNE, Victor

Measurements: XI - Folsom (09:40-11:10)

-Conveners: Valentina Semkova

time	[id] title	presenter
09:40	[244] Fast neutron-induced fission cross section of ^{242}Pu measured at nELBE and PIAF	KOGLER, Toni
10:04	[245] Neutron-induced inelastic γ -production cross sections on $^{58,60,64}\text{Ni}$	BOROMIZA, Marian
10:16	[246] Zr Nuclear Data Campaign: Measurement of (n, γ) cross section of Zr-90	GUBER, Klaus

10:28	[247] Compton imaging for enhanced sensitivity (n, γ) cross section TOF experiments: status and prospects	DOMINGO PARDO, Cesar THE N_TOF COLLABORATION
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Measurements: XII - Folsom (11:30-13:00)**-Conveners: Maria Teresa Rodriguez Gonzalez**

time	[id] title	presenter
11:30	[250] Cross section measurement of residues produced in proton- and deuteron-induced spallation reactions on ^{79}Se at 200 MeV/u using the inverse kinematics method	KAWASE, Shoichiro
11:54	[251] Neutron production cross sections for proton induced reactions on ^{nat}Cu and ^{27}Al with a flat-efficiency neutron detector	CLISU-STAN, Cristina
12:06	[254] Nuclide production cross sections in proton-induced reactions on Bi at GeV energies	IWAMOTO, Hiroki
12:18	[255] Solid ^3He target for nuclear reactions: $\text{H}+^3\text{He}$ differential elastic scattering cross-section from 1.5 to 4.5 MeV	FERRER FERNANDEZ, Francisco Javier
12:30	[257] Neutron production in the interaction of 200-MeV deuterons with Li, Be, C, Al, Cu, Nb, In, Ta, and Au	WATANABE, Yukinobu
12:42	[259] Measurement of double-differential neutron yields for iron, lead, and bismuth induced by 107-MeV protons for research and development of accelerator-driven systems	IWAMOTO, Hiroki