

Workshop for Applied Nuclear Data Activities (WANDA 2022)

[FINAL]

Wednesday, 2 March 2022

Session Three: Neutrons as Secondary Particles and Their Interactions with Matter (07:30 - 11:30)

-Conveners: Tony Slaba; Nolan Hertel; Lawrence Heilbronn

time	[id] title	presenter
07:30	[56] Welcome Introduction	
07:40	[57] Technical Overview	BAHADORI (KSU), Amir
08:00	[58] Secondary Neutron Production	RATLIFF (HVL), Hunter
08:15	[59] Secondary Neutron Modeling	SLABA (NASA), Tony
08:30	[60] Discussion	
08:50	Break	
09:00	[61] Benchmarking the accuracy of (n,n' γ) cross section libraries: Application to Planetary Nuclear Spectroscopy	PEPŁOWSKI (JHU/APL), Patrick
09:15	[62] Smart, Efficient Neutron Detection on the Moon and Mars	STILLMAN (SWRI), David
09:30	[63] Needs for Neutron Data Relevant to Deep-Space Missions	ZEITLIN, Cary
09:45	[140] Advanced Neutron Spectrometer on the International Space Station (ANS ISS)	CHRISTL (NASA), Mark
10:00	[64] Discussion	
10:20	Break	
10:30	[65] Electronic Effects	TBD
10:45	[67] Submitted Talks	
11:00	[68] Discussion	
11:20	[69] Session summary	