

ENEA - DOE WORKSHOP

Neutron Science the Italian Way:

State of the Art and Future Perspectives

LIVE SESSION

10-11 May 2022

AGENDA

Tuesday, 10 May 2022

	Topic	Presenter
AM		
7:15	Group Transport, Rome Aleph Hilton to ENEA Casaccia	
8:15	Group Transport, Sabazia Hotel Massimino to ENEA	
8:45	Arrive at ENEA Badging	
9:15	Institutional Welcome <ul style="list-style-type: none"> • Mr. Gilberto Dialuce - ENEA President • Mrs. Valeria Amendola – General Director, Ministry for Ecological Transition • Mr. Valerio Negro – Head of Disarmament, Arms Control and Nonproliferation Office at Ministry of Foreign Affairs • Ms. Joan Dix – DOE Deputy Office Director, NNSA Office of Conversion 	ENEA-DOE
Session A 9:45-10:15	Objectives for the live workshop <ul style="list-style-type: none"> • Scope is not solely TAPIRO, but how capabilities and opportunities fit together • What is nature of a successful workshop report? 	ENEA-DOE
10:15-13:15	Tours of TAPIRO and TRIGA	ENEA
PM		
13:15-14:30	Lunch	
Session B 14:30-17:00	Rapporteur Summary of VTC Sessions (Luca & Jeremy) <ul style="list-style-type: none"> • Mission Spaces Described for Italian Engagements • Current Mapping of Capabilities to those Mission Spaces • Brief Overview of Mission Space Change and/or Refinement Success at Other Facilities Introductory Discussion of TAPIRO Mission Exemplars that should be quantifiably evaluated for HEU and Conceptual LEU Design (“machinery” and metrics) <ul style="list-style-type: none"> • AOSTA and subsequent fast reactor data (Hamid/Patrick) • Noise analysis of the fast spectrum (Erez/Sandra) • Industrial Irradiations (Giacomo) 	Brief Slides to stimulate and focus discussions (by individuals indicated in parentheses) Group Discussion is the Key
17:00-17:30	Group transport ENEA to Casali Santa Brigida	
19:00	Group Dinner at Casali Santa Brigida	
22:00	Group Transports from Casali Santa Brigida to Hotels	

AGENDA

Wednesday, 11 May 2022

	Topic	Presenter
AM		
7:15	Group Transport, Rome Aleph Hilton to ENEA Casaccia	
8:15	Group Transport, Sabazia Hotel Massimino to ENEA	
Arrive 9 am	Travel from Hotels to ENEA Casaccia	
Session C 9:30-11:30	<p>Overview and discussion of how existing ENEA and broader Italian neutron sources map to mission spaces, in the context of TAPIRO and long range vision</p> <ul style="list-style-type: none"> • TRIGAs: <ul style="list-style-type: none"> ○ ENEA/Italian plans for TRIGA scopes (Luca) ○ TRIGA Change Cases (Keenan) • Accelerators (David) • International Engagements (MYRRHA, etc.) 	Brief Slides to stimulate and focus discussions (by individuals indicated in parentheses)
11:30-11:45	Break	
Session D 11:45-13:00	<p>Continued Discussion of TAPIRO Mission Exemplars that should be quantifiably evaluated for HEU and Conceptual LEU Design (“machinery” and metrics)</p> <ul style="list-style-type: none"> • TAPIRO HEU and LEU Modeling • Modeling in alternative systems 	All
PM		
13:15-14:45	Lunch	
Session E 14:45-16:15	<ul style="list-style-type: none"> • Review and summarize meeting discussions as a group • Plan for Workshop Report <ul style="list-style-type: none"> ○ Intended Audiences ○ Structure ○ Contributors ○ <i>An analogous BESAC report, if deeper than needed, is linked on the Workshop website</i> 	All
16:15-16:30	Wrap-up	ENE A-DOE
17:00	Travel from ENEA Casaccia to Hotels	