



The Abdus Salam
International Centre for Theoretical Physics



IAEA
International Atomic Energy Agency

Preliminary Programme

IAEA / ICTP School on Physics, Technology and Applications of Accelerator Driven Systems (ADS)
19 – 30 November 2007

Venue: Kastler Lecture Hall and InfoLab, Adriatico Guest House

Week 19 – 23 November 2007

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	Monday 19 November 2007	Tuesday 20 November 2007	Wednesday 21 November 2007	Thursday 22 November 2007	Friday 23 November 2007
8:30 - 09.30	Registration	ADS Physics (1) I. Slessarev	ADS Dynamics (3) P. Ravetto	Engineering Design of the MYRRHA Proof- of-Principle ADS Facility (1) Didier De Bruyn	Thermal Hydraulics of Heavy Liquid Metal Target for ADS (1) P. Satyamurthy
9:30 - 10:00	Welcome, Introduction A. Stanculescu (IAEA), C. Tuniz (ICTP)				
10:00 - 10:30	COFFEE BREAK				
10:30 - 12:00	Free time for administrative formalities	ADS Physics (2) I. Slessarev	ADS Dynamics (Exercises) P. Ravetto	Engineering Design of the MYRRHA Proof- of-Principle ADS Facility (2) Didier De Bruyn	Thermal Hydraulics of Heavy Liquid Metal Target for ADS (2) P. Satyamurthy
12:00 - 14:00	LUNCH BREAK				
14:00 - 15:30	Key Note Lecture: Why P&T (1)? C. Fazio	ADS Dynamics (1) P. Ravetto	ADS Physics (3) I. Slessarev	Design Evolution from MYRRHA to XT-ADS (1) Didier De Bruyn	Thermal Hydraulics of Heavy Liquid Metal Target for ADS (Ex.1) P. Satyamurthy
15:30 - 16:00	COFFEE BREAK				
16:00 - 17:30	Key Note Lecture: Why P&T (2)? C. Fazio	ADS Dynamics (2) P. Ravetto	ADS Physics (4) I. Slessarev	Design Evolution from MYRRHA to XT-ADS (2) Didier De Bruyn	Thermal Hydraulics of Heavy Liquid Metal Target for ADS (Ex.2) P. Satyamurthy



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Week 26 – 30 November 2007

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	Monday 26 November 2007	Tuesday 27 November 2007	Wednesday 28 November 2007	Thursday 29 November 2007	Friday 30 November 2007
8:30 - 10:00	Thermal Hydraulics of Heavy Liquid Metal Target for ADS (Wrap-up) P. Satyamurthy	Accelerators for ADS: Science, Technology and Design (3) A. Müller	Nuclear Reactions and Related Data Libraries at Low Energies A. Mengoni	Partitioning (1) J.-P. Glatz	Advanced Fuels for P&T (1) F.C. Klaassen
10:00 - 10:30	COFFEE BREAK				
10:30 - 12:00	Nuclear Reactions and Related Data Libraries at High Energy S. Leray	Accelerators for ADS: Science, Technology and Design (4) A. Müller	Monte Carlo Methods (1) C. H. Kim	Partitioning (2) J.-P. Glatz	Advanced Fuels for P&T (2) F.C. Klaassen
12:00 - 14:00	LUNCH BREAK				
14:00 - 15:30	Accelerators for ADS: Science, Technology and Design (1) A. Müller	Spallation Target Design (1) G. Bauer	Monte Carlo Methods (2) C. H. Kim	Monte Carlo Methods (Exercises 1) C. H. Kim	Impact of P&T on the Final Repository (1) E. M. Gonzalez-Romero
15:30 - 16:00	COFFEE BREAK				
16:00 - 17:30	Accelerators for ADS: Science, Technology and Design (2) A. Müller	Spallation Target Design (2) G. Bauer	Monte Carlo Methods (3) C. H. Kim	Monte Carlo Methods (Exercises 2) C. H. Kim	Impact of P&T on the Final Repository (2) E. M. Gonzalez-Romero