

# JUAS - TIMETABLE 2018 - WEEK 1

Schedule 2018	Monday Jan 8 <sup>th</sup>	Tuesday Jan 9 <sup>th</sup>	Wednesday Jan 10 <sup>th</sup>	Thursday Jan 11 <sup>th</sup>	Friday Jan 12 <sup>th</sup>	
09:00		Relativity lecture <i>H. Henke</i>	Electro-magnetism lecture <i>H. Henke</i>	European Projects for Collaborative Accelerator R&D <i>M. Vretenar</i>	Intro. to the Mini-Workshop lecture <i>Ph. Bryant</i>	
10:00 10:15		Coffee Break	Coffee Break	Coffee Break	Coffee Break	
11:15		Relativity tutorial <i>H. Henke</i>	Electro-magnetism lecture <i>H. Henke</i>	Intro. to Accelerator Design lecture <i>Ph. Bryant</i>	Intro. to the Mini-Workshop lecture <i>Ph. Bryant</i>	
		Relativity lecture <i>H. Henke</i>	Electro-magnetism tutorial <i>H. Henke</i>	Intro. to Accelerator Design lecture <i>Ph. Bryant</i>	<b>Bus leaves at 11:15 from JUAS</b> <b>(Lunch at CERN, R1, offered by ESI)</b>	
12:15		12:00 OFFICIAL OPENING (welcome & building visit)				
14:00		13:00 WELCOME LUNCH	BREAK	BREAK	BREAK	13:00 Visit of LHC Magnets Test Hall
		14:00 Presentation of JUAS & Presentation of students <i>P. Lebrun</i>	Relativity lecture <i>H. Henke</i>	Electro-magnetism lecture <i>H. Henke</i>	Intro. to Accelerator Design lecture <i>Ph. Bryant</i>	Introduction to CERN Seminar - Ph. Lebrun
15:00		Particle accelerators, instruments of discovery in physics Seminar <i>P. Lebrun</i>	Particle optics lecture <i>J.M. De Conto</i>	Particle optics tutorial <i>J.M. De Conto</i>	Intro. to Accelerator Design lecture <i>Ph. Bryant</i>	CERN Accelerator Network Seminar - R. Alemany
16:00 16:15		CHECK-IN AT THE RESIDENCE & SHOPPING FOR GROCERIES	Coffee Break	Coffee Break	Coffee Break	Visit at CERN Control Center  <b>Bus leaves at 17:00 from CERN</b>
17:15			Particle optics lecture <i>J.M. De Conto</i>	Particle optics tutorial <i>J.M. De Conto</i>	Intro. to Accelerator Design lecture <i>Ph. Bryant</i>	
	Particle optics lecture <i>J.M. De Conto</i>		Intro. to Accelerator Design lecture <i>Ph. Bryant</i>			
18:15						

# JUAS - TIMETABLE 2018 - WEEK 2

Schedule 2018	Monday Jan 15 <sup>th</sup>	Tuesday Jan 16 <sup>th</sup>	Wednesday Jan 17 <sup>th</sup>	Thursday Jan 18 <sup>th</sup>	Friday Jan 19 <sup>th</sup>
09:00	<p><b>Bus leaves at 07:30 from JUAS</b></p> <p><b>(2 hours of travel by bus)</b></p> <p><b>VISIT AT ESRF</b></p> <p><b>(Lunch offered by ESRF)</b></p>				
10:00		<p><b>Transverse Dynamics</b> lecture</p> <p><i>A. Latina</i></p>	<p><b>Transverse Dynamics</b> lecture</p> <p><i>A. Latina</i></p>	<p><b>Transverse Dynamics</b> lecture</p> <p><i>A. Latina</i></p>	<p><b>Cyclotrons</b> lecture</p> <p><i>B. Jacquot</i></p>
10:15		<b>Coffee Break</b>	<b>Coffee Break</b>	<b>Coffee Break</b>	<b>Coffee Break</b>
11:15		<p><b>Transverse Dynamics</b> lecture</p> <p><i>A. Latina</i></p>	<p><b>Transverse Dynamics</b> lecture</p> <p><i>A. Latina</i></p>	<p><b>Transverse Dynamics</b> lecture</p> <p><i>A. Latina</i></p>	<p><b>Cyclotrons</b> lecture</p> <p><i>B. Jacquot</i></p>
12:15		<p><b>Transverse Dynamics</b> tutorial</p> <p><i>A. Latina</i></p>	<p><b>Transverse Dynamics</b> tutorial</p> <p><i>A. Latina</i></p>	<p><b>Transverse Dynamics</b> tutorial</p> <p><i>A. Latina</i></p>	<p><b>Cyclotrons</b> tutorial</p> <p><i>B. Jacquot</i></p>
14:00	<p><b>14:00 - 16:00</b></p> <p><b>Injection / Extraction</b> lecture</p> <p><i>Thomas Perron</i></p>	<p><b>Intro. to MADX</b></p> <p><i>G. Sterbini</i></p>	<p><b>Transverse Dynamics</b> lecture</p> <p><i>A. Latina</i></p>	<p><b>Cyclotrons</b> lecture</p> <p><i>B. Jacquot</i></p>	<p><b>Transverse Dynamics</b> lecture</p> <p><i>A. Latina</i></p>
15:00		<p><b>MADX</b></p> <p><i>N. Fuster Martinez / H. Garcia Morales / A. Latina / G. Sterbini</i></p>	<p><b>MADX</b></p> <p><i>N. Fuster Martinez / H. Garcia Morales / A. Latina / G. Sterbini</i></p>	<p><b>Cyclotrons</b> tutorial</p> <p><i>B. Jacquot</i></p>	<p><b>Transverse Dynamics</b> lecture</p> <p><i>A. Latina</i></p>
16:00		<b>Coffee Break</b>	<b>Coffee Break</b>	<b>Coffee Break</b>	<b>Coffee Break</b>
16:15	<p><b>Bus leaves at 17:00 from ESRF</b></p>	<p><b>MADX</b></p> <p><i>N. Fuster Martinez / H. Garcia Morales / A. Latina / G. Sterbini</i></p>	<p><b>MADX</b></p> <p><i>N. Fuster Martinez / H. Garcia Morales / A. Latina / G. Sterbini</i></p>	<p><b>Cyclotrons</b> lecture</p> <p><i>B. Jacquot</i></p>	<p><b>MADX</b></p> <p><i>N. Fuster Martinez / H. Garcia Morales / A. Latina / G. Sterbini</i></p>
17:15			<p><b>LHC &amp; Future High-Energy Circular Collider</b> Seminar</p> <p><i>F. Bordry</i></p>		<p><b>MADX</b></p> <p><i>N. Fuster Martinez / H. Garcia Morales / A. Latina / G. Sterbini</i></p>
18:15					
			<b>AFTER WORK AT ESI</b>		

## JUAS - TIMETABLE 2018 - WEEK 3

Schedule 2018	Monday Jan 22 <sup>nd</sup>	Tuesday Jan 23 <sup>rd</sup>	Wednesday Jan 24 <sup>th</sup>	Thursday Jan 25 <sup>th</sup>	Friday Jan 26 <sup>th</sup>
09:00	Longitudinal Dynamics lecture <i>E. Métral/B. Salvant</i>	Longitudinal Dynamics lecture <i>E. Métral/B. Salvant</i>	Longitudinal Dynamics lecture <i>E. Métral/B. Salvant</i>	Longitudinal Dynamics lecture <i>E. Métral/B. Salvant</i>	Linear imperfections lecture <i>H. Bartosik</i>
10:00	Coffee Break	Coffee Break	Coffee Break	Coffee Break	Coffee Break
10:15	Longitudinal Dynamics lecture <i>E. Métral/B. Salvant</i>	Longitudinal Dynamics lecture <i>E. Métral/B. Salvant</i>	Longitudinal Dynamics lecture <i>E. Métral/B. Salvant</i>	Longitudinal Dynamics lecture <i>E. Métral/B. Salvant</i>	Linear imperfections lecture <i>H. Bartosik</i>
11:15	Longitudinal Dynamics lecture <i>E. Métral/B. Salvant</i>	Longitudinal Dynamics lecture <i>E. Métral/B. Salvant</i>	Longitudinal Dynamics lecture <i>E. Métral/B. Salvant</i>	Longitudinal Dynamics lecture <i>E. Métral/B. Salvant</i>	Non-linear effects lecture <i>H. Bartosik</i>
12:15	WORKING LUNCH	BREAK	BREAK	BREAK	BREAK
14:00	Linear imperfections lecture <i>H. Bartosik</i>	Linear imperfections lecture <i>H. Bartosik</i>	Linacs lecture <i>J-B. Lallement</i>	Linacs tutorial <i>J-B. Lallement</i>	Non-linear effects lecture <i>H. Bartosik</i>
15:00	Linear imperfections lecture <i>H. Bartosik</i>	Linear imperfections lecture <i>H. Bartosik</i>	Linacs lecture <i>J-B. Lallement</i>	Linacs tutorial <i>J-B. Lallement</i>	Non-linear effects lecture <i>H. Bartosik</i>
16:00	Coffee Break	Coffee Break	Coffee Break	Coffee Break	Coffee Break
16:15	The neutrino physics programme <i>Alain Blondel</i> CERN & U. of Geneva	Free-Electron Lasers Seminar <i>E. Prat</i>	Linacs lecture <i>J-B. Lallement</i>	Linacs tutorial <i>J-B. Lallement</i>	Non-linear effects lecture <i>H. Bartosik</i>
17:15					

# JUAS - TIMETABLE 2018 - WEEK 4

Schedule 2018	Monday Jan 29 <sup>th</sup>	Tuesday Jan 30 <sup>th</sup>	Wednesday Jan 31 <sup>st</sup>	Thursday Feb 1 <sup>st</sup>	Friday Feb 2 <sup>nd</sup>
09:00	<b>Synchrotron Radiation</b> lecture <i>R. Bartolini</i>	<b>Synchrotron Radiation</b> lecture <i>R. Bartolini</i>	<b>Space charge</b> lecture <i>M. Migliorati</i>	<b>Mini-workshop Accelerator Design</b> <i>Ph. Bryant</i>	<b>Instabilities</b> lecture <i>M. Migliorati</i>
10:00	<b>Coffee Break</b>	<b>Coffee Break</b>	<b>Coffee Break</b>	<b>Coffee Break</b>	<b>Coffee Break</b>
10:15	<b>Synchrotron Radiation</b> lecture <i>R. Bartolini</i>	<b>Synchrotron Radiation</b> lecture <i>R. Bartolini</i>	<b>Space charge</b> lecture <i>M. Migliorati</i>	<b>Mini-workshop Accelerator Design</b> <i>Ph. Bryant</i>	<b>Instabilities</b> lecture <i>M. Migliorati</i>
11:15	<b>Synchrotron Radiation</b> tutorial <i>R. Bartolini</i>	<b>Synchrotron Radiation</b> tutorial <i>R. Bartolini</i>	<b>Space charge</b> lecture <i>M. Migliorati</i>	<b>Mini-workshop Accelerator Design</b> <i>Ph. Bryant</i>	<b>Instabilities</b> lecture <i>M. Migliorati</i>
12:15	<b>WORKING LUNCH</b>	<b>BREAK</b>	<b>BREAK</b>	<b>BREAK</b>	<b>BREAK</b>
14:00	<b>Synchrotron Radiation</b> lecture <i>R. Bartolini</i>	<b>Synchrotron Radiation</b> lecture <i>R. Bartolini</i>	<b>Space charge</b> lecture <i>M. Migliorati</i>	<b>Mini-workshop Accelerator Design</b> <i>R. Bartolini</i>	<b>Presentation of Accelerator Design</b> <i>Students</i>
15:00	<b>Synchrotron Radiation</b> lecture <i>R. Bartolini</i>	<b>Synchrotron Radiation</b> lecture <i>R. Bartolini</i>	<b>Space charge</b> lecture <i>M. Migliorati</i>	<b>Mini-workshop Accelerator Design</b> <i>R. Bartolini</i>	
16:00	<b>Coffee Break</b>	<b>Coffee Break</b>	<b>Coffee Break</b>	<b>Coffee Break</b>	<b>Coffee Break</b>
16:15	<b>Synchrotron Radiation</b> lecture <i>R. Bartolini</i>	<b>Synchrotron Radiation</b> tutorial <i>R. Bartolini</i>	<b>Novel High Gradient Particle Accelerators Seminar</b> <i>R. Assmann</i>	<b>Mini-workshop Accelerator Design</b> <i>R. Bartolini</i>	<b>Presentation of Accelerator Design</b>
17:15	<b>Future High-Energy Linear Colliders Seminar</b> <i>L. Rinolfi</i>		<b>AFTER WORK AT ESI</b>		
18:15					

# JUAS - TIMETABLE 2018 - WEEK 5

Schedule 2018	Monday Feb 5 <sup>th</sup>	Tuesday Feb 6 <sup>th</sup>	Wednesday Feb 7 <sup>th</sup>	Thursday Feb 8 <sup>th</sup>	Friday Feb 9 <sup>th</sup>
09:00	Free for preparation of examinations	EXAMINATION Synchrotron Radiation <i>Written session</i>	EXAMINATION Longitudinal beam dynamics <i>Written session</i>	EXAMINATION Transverse beam dynamics <i>Written session</i>	
10:30 11:00		Coffee Break	Coffee Break	Coffee Break	
		EXAMINATION topic to be announced <i>Written session</i>	EXAMINATION topic to be announced <i>Written session</i>	DISCUSSION SUMMARY OF JUAS LECTURES	
12:30		WORKING LUNCH	BREAK	BREAK	
14:00	Free for preparation of examinations				
15:00					
16:00 16:15					
17:15					

# JUAS - TIMETABLE 2018 - WEEK 6

Schedule 2018	Monday Feb 12 <sup>th</sup>	Tuesday Feb 13 <sup>th</sup>	Wednesday Feb 14 <sup>th</sup>	Thursday Feb 15 <sup>th</sup>	Friday Feb 16 <sup>th</sup>	
09:00						
10:00		Introduction to RF lecture <i>A. Mostacci</i>	Vacuum systems lecture <i>V. Baglin</i>	RF Engineering lecture <i>F. Caspers</i>	RF Engineering lecture <i>F. Caspers</i>	
10:15		Coffee Break	Coffee Break	Coffee Break	RF Engineering tutorial <i>F. Caspers / M. Wendt</i>	
11:15		Introduction to RF lecture <i>A. Mostacci</i>	Vacuum systems lecture <i>V. Baglin</i>	Vacuum systems lecture <i>V. Baglin</i>	Coffee Break	
		Vacuum systems lecture <i>V. Baglin</i>	Vacuum systems tutorial <i>V. Baglin / R. Kersevan</i>	Vacuum systems tutorial <i>V. Baglin / R. Kersevan</i>	<b>Bus leaves at 11:30 from JUAS</b>  (Lunch at CERN, R2, offered by ESI)  <b>VISIT AT CERN</b>  AD / ELENA LINAC / LEIR  <b>Bus leaves at 18:00 from CERN</b>	
12:15		12:00 OFFICIAL OPENING (welcome & building visit)				
		13:00 WELCOME LUNCH	BREAK	BREAK		BREAK
14:00		14:00 Presentation of JUAS & Presentation of students <i>P. Lebrun</i>	Vacuum systems lecture <i>V. Baglin</i>	RF Engineering lecture <i>F. Caspers</i>		RF Engineering lecture <i>F. Caspers</i>
15:00		Introduction to CERN practical days <i>Magnet, Superconductivity</i>	RF Engineering lecture <i>F. Caspers</i>	RF Engineering tutorial <i>F. Caspers / M. Wendt</i>		RF Engineering tutorial <i>F. Caspers / M. Wendt</i>
16:00		Coffee Break	Coffee Break	Coffee Break	Coffee Break	
16:15		Introduction to CERN practical days <i>RF, Vacuum, CLEAR</i>	RF Engineering lecture <i>F. Caspers</i>	Accelerator driven system Seminar <i>J-L. Biarotte</i>	RF Engineering lecture <i>F. Caspers</i>	
17:45	CHECK-IN AT THE RESIDENCE & SHOPPING FOR GROCERIES					
18:15						

# JUAS - TIMETABLE 2018 - WEEK 7

Schedule 2018	Monday Feb 19 <sup>th</sup>	Tuesday Feb 20 <sup>th</sup>	Wednesday Feb 21 <sup>st</sup>	Thursday Feb 22 <sup>nd</sup>	Friday Feb 23 <sup>rd</sup>
09:00	Beam instrumentation lecture <i>P. Forck</i>	Beam instrumentation lecture <i>P. Forck</i>	Beam instrumentation tutorial <i>P. Forck</i>	<p><i>Bus leaves at 8:00 from JUAS</i></p> <p><b>(4 hours of travel by bus)</b></p> <p><b>VISIT AT PSI</b></p> <p><i>(Lunch, dinner and coffee breaks offered by PSI, night at PSI offered by ESI)</i></p>	<p><b>VISIT AT PSI</b></p> <p><i>(Lunch and coffee breaks offered by PSI)</i></p>
10:00	Coffee Break	Coffee Break	Coffee Break		
10:15	Beam instrumentation lecture <i>P. Forck</i>	Beam instrumentation lecture <i>P. Forck</i>	Beam instrumentation tutorial <i>P. Forck</i>		
11:15	Beam instrumentation lecture <i>P. Forck</i>	Beam instrumentation lecture <i>P. Forck</i>	Beam instrumentation lecture <i>P. Forck</i>		
12:15	WORKING LUNCH	BREAK	BREAK		
14:00	Beam instrumentation tutorial <i>P. Forck</i>	Superconducting RF Cavities lecture <i>F. Caspers</i>	Superconducting RF Cavities tutorial <i>F. Caspers</i>	<p><b>Accelerator Controls</b></p> <p>lecture <i>E. Zimoch</i></p>	
15:00	Beam instrumentation tutorial <i>P. Forck</i>	Superconducting RF Cavities lecture <i>F. Caspers</i>	Superconducting RF Cavities tutorial <i>F. Caspers</i>		
16:00	Coffee Break	Coffee Break	Coffee Break		
16:15	Beam instrumentation tutorial <i>P. Forck</i>	Superconducting RF Cavities lecture <i>F. Caspers</i>	Superconducting RF Cavities lecture <i>F. Caspers</i>	<p>Accel. for hadron therapy Seminar <i>M. Schippers</i></p>	<p><i>Bus leaves at 14:30 from PSI</i></p> <p><b>(4 hours of travel by bus)</b></p>
17:15				<p>Novel Accelerators Seminar <i>R. Ischebeck</i></p>	
18:15					

# JUAS - TIMETABLE 2018 - WEEK 8

Schedule 2018	Monday Feb 26 <sup>th</sup>	Tuesday Feb 27 <sup>th</sup>	Wednesday Feb 28 <sup>th</sup>	Thursday March 1 <sup>st</sup>	Friday March 2 <sup>nd</sup>
09:00				<i>Bus leaves at 8:00 from JUAS</i>	<i>Bus leaves at 8:00 from JUAS</i>
10:00	<b>Introduction to Magnets</b> lecture <i>A. Milanese</i> <b>10:30</b>	<b>Superconducting magnets</b> lecture <i>P. Ferracin</i>	<b>Mini-workshop Normal conducting Magnets</b> <i>J. Bauche &amp; T. Zickler</i>	(Lunch at CERN, offered by ESI)	(Lunch at CERN, offered by ESI)
10:15		<b>Coffee Break</b>	<b>Coffee Break</b>		
10:30	<b>Coffee Break</b>	<b>Superconducting magnets</b> lecture <i>P. Ferracin</i>	<b>Mini-workshop Normal conducting Magnets</b> <i>J. Bauche &amp; T. Zickler</i>	<b>PRACTICAL DAYS AT CERN</b>  RF coordinator: <b>F. Caspers</b> <b>M. Wendt</b>  VACUUM coordinator: <b>V. Baglin</b>  MAGNET coordinators: <b>J. Bauche</b> <b>L. Fiscarelli</b>  SUPERCONDUCTIVITY coordinator: <b>J. Fleiter</b>  CLEAR coordinators: <b>R. Corsini</b> <b>W. Farabolini</b>	<b>PRACTICAL DAYS AT CERN</b>  RF coordinator: <b>F. Caspers</b>  VACUUM coordinator: <b>V. Baglin</b>  MAGNET coordinators: <b>J. Bauche</b> <b>L. Fiscarelli</b>  SUPERCONDUCTIVITY coordinator: <b>J. Fleiter</b>  CLEAR coordinators: <b>R. Corsini</b> <b>W. Farabolini</b>
11:15	<b>10:45 Normal Conducting magnets</b> lecture <i>T. Zickler</i>	<b>Cryogenics for Superconducting Devices</b> lecture <i>Ph. Lebrun</i>	<b>Mini-workshop Normal conducting Magnets</b> <i>J. Bauche &amp; T. Zickler</i>		
12:15	<b>WORKING LUNCH</b>	<b>BREAK</b>	<b>BREAK</b>		
14:00	<b>Normal Conducting magnets</b> lecture - <i>T. Zickler</i>	<b>Superconducting magnets</b> lecture <i>P. Ferracin</i>	<b>Mini-workshop Superconducting Magnets</b> <i>P. Ferracin &amp; P. Lebrun</i>		
15:00	<b>Normal Conducting magnets</b> lecture - <i>T. Zickler</i>	<b>Normal Conducting magnets</b> lecture - <i>T. Zickler</i>	<b>Mini-workshop Superconducting Magnets</b> <i>P. Ferracin &amp; P. Lebrun</i>	SUPERCONDUCTIVITY coordinator: <b>J. Fleiter</b>	SUPERCONDUCTIVITY coordinator: <b>J. Fleiter</b>
16:00	<b>Coffee Break</b>	<b>Coffee Break</b>	<b>Coffee Break</b>		
16:15	<b>Superconducting magnets</b> lecture <i>P. Ferracin</i>	<b>Normal Conducting magnets</b> lecture - <i>T. Zickler</i>	<b>Mini-workshop Superconducting Magnets</b> <i>P. Ferracin &amp; P. Lebrun</i>	CLEAR coordinators: <b>R. Corsini</b> <b>W. Farabolini</b>	CLEAR coordinators: <b>R. Corsini</b> <b>W. Farabolini</b>
17:15	<b>Superconducting magnets</b> lecture <i>P. Ferracin</i>	<b>Normal Conducting magnets</b> lecture - <i>T. Zickler</i>	<b>Building Large Accelerators with Industry Seminar</b> <i>Ph. Lebrun</i>		
18:15				<i>Bus leaves at 17:30 from CERN</i>	<i>Bus leaves at 17:30 from CERN</i>
			<b>AFTER WORK AT ESI</b>		



# JUAS - TIMETABLE 2018 - WEEK 9

Schedule 2018	Monday March 5 <sup>th</sup>	Tuesday March 6 <sup>th</sup>	Wednesday March 7 <sup>th</sup>	Thursday March 8 <sup>th</sup>	Friday March 9 <sup>th</sup>
09:00	<b>Particle Sources</b> lecture <i>T. Thuillier</i>	<b>Low Energy Electron Accelerators</b> lecture <i>W. Mondelaers</i>	<i>Bus leaves at 7:30 from JUAS</i>  (Lunch offered by Bergoz)  <b>VISIT AND EXPERIMENTAL WORK AT BERGOZ INSTRUMENTATION</b>	<b>Life-cycle and reliability of particle accelerators</b> lecture <i>S. Meyroneinc</i>	<b>High Current Proton Linacs</b> lecture <i>S. Bousson</i>
10:00	Coffee Break	Coffee Break		Coffee Break	Coffee Break
10:15	<b>Particle Sources</b> lecture <i>T. Thuillier</i>	<b>Low Energy Electron Accelerators</b> lecture <i>W. Mondelaers</i>		<b>Life-cycle and reliability of particle accelerators</b> lecture <i>S. Meyroneinc</i>	<b>High Current Proton Linacs</b> lecture <i>S. Bousson</i>
11:15	<b>Particle Sources</b> lecture <i>T. Thuillier</i>	<b>Low Energy Electron Accelerators</b> lecture <i>W. Mondelaers</i>		<b>Life-cycle and reliability of particle accelerators</b> lecture <i>S. Meyroneinc</i>	<b>High Current Proton Linacs</b> lecture <i>S. Bousson</i>
12:15	WORKING LUNCH	BREAK		SANDWICH SNACK OFFERED BY ESI	BREAK
14:00	<b>Particle Sources</b> tutorial <i>T. Thuillier</i>	<b>Acc. for medical &amp; industrial applications</b> lecture <i>W. Kleeven</i>		<i>Bus leaves at 13:30 from JUAS</i>	<b>Radiation safety</b> lecture <i>X. Queralt</i>
15:00	<b>Particle Sources</b> lecture <i>T. Thuillier</i>	<b>Acc. for medical &amp; industrial applications</b> lecture <i>W. Kleeven</i>		<b>Radiation Oncology : Biology, Physics &amp; Clinical Applications</b> seminar <i>R. Miralbell</i>	<b>Radiation safety</b> lecture <i>X. Queralt</i>
16:00	Coffee Break	Coffee Break		<b>Therapeutic Applications at Geneva Hospital</b>	Coffee Break
16:15	<b>From methodology of inventiveness to applications of plasma acceleration</b> Seminar - <i>Andrei Seryi</i>	<b>Acc. for medical &amp; industrial applications</b> lecture <i>W. Kleeven</i>		<i>Bus leaves at 17:30 from HUG</i>	<b>Radiation safety</b> lecture <i>X. Queralt</i>
17:15				<i>Bus leaves at 17:00 from BERGOZ</i>	

# JUAS - TIMETABLE 2018 - WEEK 10

Schedule 2017	Monday March 12 <sup>th</sup>	Tuesday March 13 <sup>th</sup>	Wednesday March 14 <sup>th</sup>	Thursday March 15 <sup>th</sup>	Friday March 16 <sup>th</sup>
09:00	Presentation of reports on practical work	<b>EXAMINATION</b> Beam Instrumentation <i>Written session</i>	<b>EXAMINATION</b> RF <i>Written session</i>	<b>EXAMINATION</b> Magnets <i>Written session</i>	
10:30 11:00		Coffee Break	Coffee Break	Coffee Break	
11:00	Presentation of reports on practical work	<b>EXAMINATION</b> topic to be announced <i>Written session</i>	<b>EXAMINATION</b> topic to be announced <i>Written session</i>	<b>DISCUSSION</b> SUMMARY OF JUAS LECTURES	
12:30		WORKING LUNCH	BREAK	BREAK	
14:00	Free for preparation of examinations				
15:00					
16:00 16:15					
17:15					