Schedule Access to the hall b508





ISOLDE schedule – part 1

GPS startup on schedule (end July);

HRS – 2 weeks buffer eaten up and physics delayed by ca 1 week (CRIS and IDS runs changed into tests)

Magnet cycling and slit position problems

				/		•	_
				/ v	/4.51	27Oct	
		Info	S	GPS /		HRS	
				Target change:Ta-W		SEM grid on	
	28-Jul			50um foil		BTY to HRS setup	
				#508, no mass markers		BTY to HRS setup	- 1
				FC20 Intervention, toc	_	Target change: UC W n	
	29-Jul			7			509
				l / I	l	m.m. Cs, Rb, Tl	- 1
		Injector MD		separator setup to GLM, GHM		HT tests with protons	\neg
	30-Jul	Injector MD		sep setup to CAD		1	- 1
					ı	1	
				p-scan		HT tests with protons	
31	31-Jul			tapestation checks+yleids		1	
				(IS528 -Dy->Tb)			
				tapestation checks+yleids		HRS setup	
	1-Aug			/		ISCOOL setup	
				(IS528 -Dy-≱Tb)			
				/		ISCOOL setup	
	2-Aug	l		collections		ISCOOL setup	
				maybe IDS stable beam			
				collections		ISCOOL setup	
	3-Aug			maybe IDS stable beam		ISCOOL setup	
			Dy	IS528 -Dy->Tb	_		
				tapestation checks+yleids		ISCOOL setup	
	4-Aug					ISCOOL setup	
			Dy	IS528 -Dy->Tb			
						ISCOOL or CRIS	- 1
	5-Aug				l .	l . /	- 1
			Dy	IS528 -Dy->Tb; mom: shipmen	ıt	GPS - p priority	
						ISCOOL or CRIS	- 1
	6-Aug				l.	. /	- 1
			Dy	IS528 -Dy->Tb; mom: shipmen	ıt	GPS - p priority	
						ISCOOL or CRIS	- 1
32	7-Aug			If needed:	I,	. <i>1</i>	- 1
			Dy	IS528 -Dy->Tb; mom: shipmen	ıt	GPS - p priority	_
				(IDS - If collections ready)		ISCOOL or CRIS	
	8-Aug						- 1
			-	IDO Inch	—	CRIS or IDS on GPS	-
				IDS - tests			
	9-Aug	l				(to be discussed	- 1
			-	IDO tests	\vdash	depending on sep status)	\dashv
	10-Aug	l	1	IDS - tests		CRIS or IDS on GPS (to be discussed	ı
	IU-Aug	l	1			for a second sec	ı
\vdash			-	IDS - tests		depending on sep status)	\dashv
	11-Aug		1	100 - 12010	1	(long lived lons?)	- 1
	ug		1	IDS	ı	(j	ı
		i		IDS - tests		cooling	\neg
	12-Aug		1		l		- 1
			_	IDS			
		Injector MD	Ι -	IDS - tests		Target change: UC-Ta-q-conv	
	13-Aug	Injector MD	1	ine		#510, m marker Cs, Cd, (Mn)	- 1
		no p's 2-4pm	-	IDS		separator setup	
33	14-Aug		1	collections, if needed		sep setup to tape station	
33	. 4-may		1	ourcoulin, il frecueu		stable beam to ISOLTRAP	
					Cd	p-scan	
	15-Aug		1			yield checks	111111
			\bot				
						ISOLTRAP	

113	,					
	16-Aug					IS574, 129-131Cd
	17-Aug					ISOLTRAP IS574
	18-Aug			Target change: Pb-VD5 #463		IS574 1
	19-Aug					IS574 1
	20-Aug			separator setup to GLM stable beam to GLM stable beam to GLM		IS574
34	21-Aug		Hg	sep setup to tape station stable beam to LA1 and IDS		
	22-Aug			p-scan yleid checks		
	23-Aug			LA1 - Bratislava IS521, 183,185Hg 4.5		cooling
	24-Aug			IS521 7.5		cooling
	25-Aug			ISS21 (GLM collections)		Investigation of HRS low transm
	26-Aug		Hg	RILIS VADIS tests RILIS tests 1 17h: LA1 again 12		Investigation of HRS low transm
	27-Aug	Injector MD Injector MD 16.30 - schedu		17h: LA1 again 12 ISS88, IDS 207,208Hg 3		Investigation of HRS low transm
35	28-Aug	7-12h: no p/s		no p's IS588, IDS 5.5		Investigation of HRS low transm
	29-Aug			GLM, I87, setup with 10-20kV IS487, IS492, IS515, IS585 3		p-scan on the target stable beam to LA1 CA0 free
	30-Aug			(IS588 If IS590 ok, in with GI IS487, IS492, IS515, IS585 6	M)	CAD free CAD free CAD free
	31-Aug			(IS588 If IS590 ok, in with GI IS487, IS492, IS515, IS585	M) Ha	CAD free CAD free I152 - Hg, RILIS tests at LA1
	1-Sep			Target change: UC-Ta-conv #512, m marker Rb,Mn,In		
	2-Sep		Mn	separator setup to CAD sep setup to tape station stable beam to GLM, IDS		
	3-Sep		Mn	p-scan (on conv+target) yield checks IDS (p's on target)		cooling
36	4-Sep			IDS, ISS90, 68Mn		cooling
	5-Sep			IDS, ISS90, 68Mn no p's (tape rewind-shots to GHM)		Target change: UC-Ta #507, m markers Cs, Ti
	6-Sep			,		

ISOLDE schedule – part 1

GPS rather ok

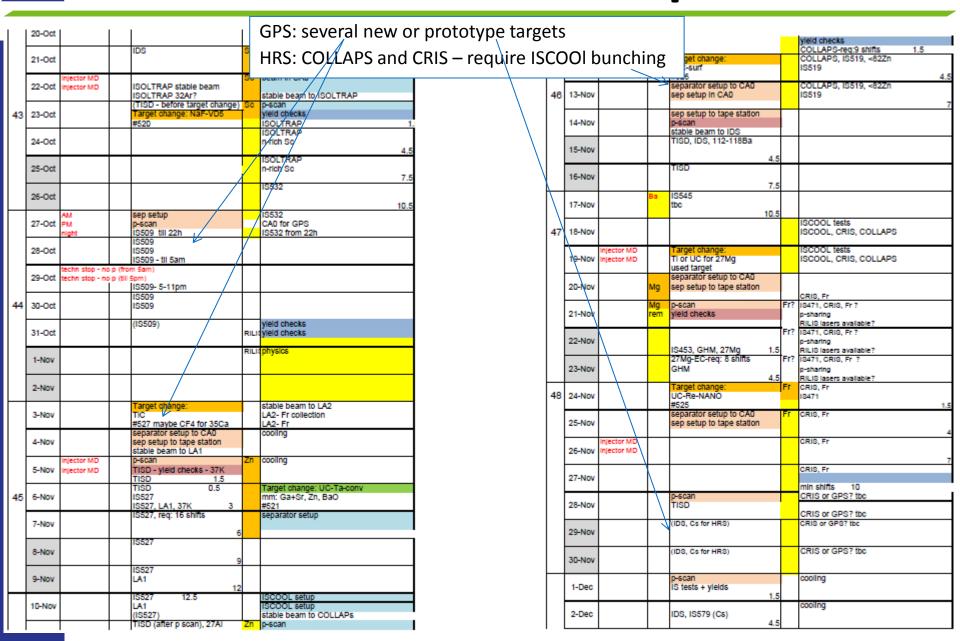
HRS: only one smooth run and then target piston problem -

rescheduling

				/			
	7-Sep						
	8-Sep			Target change: UC-Ta-co used, no. 509 setup to GLM	V		separator setup to ISCOOL ISCOOL setup
	9-Sep			p-scan	1.5		/
	10-Sep			IS501, IS576	4.5	At	separator setup to tape station p-scan
37	11-Sep	jeune genevol	Mn?	In collections: IS501, IS576 IS489 - Fr - GLM	7.5		stable beam to ISOLTR, LA1 jeune genevols RILIS preparation yield checks
	12-Sep			13409 - FI - GLM	3	At	WINDMILL-LA1, ISOLTRAP
	13-Sep					^1	IS534, 4.5
	14-Sep			cooling			7.5 IS534
	15-Sep			cooling			10.5 IS534
	16-Sep			Target change: Sn-VD5			13.5 IS534
38	17-Sep 18-Sep			#491 separator setup to CAD sep setup to tape station			IS534
36	19-Sep			stable beam to GLM p-scan yield checks			18
	20-Sep			p-sharing GLM IS481, IS487, IS515,	_		(At - p-sharing) 19.5 cooling Collaps stable beam
	21-Sep			GLM	4.5		cooling Collaps stable beam
	22-Sep			GLM	7.5		
	23-Sep			GLM	10.5		target unclamping problems
	24-Sep	Injector MD Injector MD		GLM - If p GLM 16.5	10.0		
39	25-Sep			Target change: Al203 or #516, TIS			
	26-Sep			separator setup to CA0			
	27-Sep			TISD			
	28-Sep			TISD			

\Box			ightharpoons			
	29-Sep		`	sep setup to tape station		
	29-Sep			p-scan yield checks - TISD		
				TISD		
	30-Sep			yleld checks 5		
			-	Target change: Ta-Re		
	1-Oct			#517, m marker LI, Be, Na		
			_	20-6-20 um separator setup to CA0		
40	2-Oct			sep setup to tape station		
1.0						
	3-Oct			p-scan yield checks		7
	3-00			yield diledas		
				LA1		
	4-Oct		\	IS525, 11LI 4.5		
			 	IS525	_	
	5-Oct					
\vdash			-	7.5 IS525		
	6-Oct			13020		
				10.5		
	7-Oct			IS525		
	7-Oct			13.5		
		Injector MD				
	8-Oct	Injector MD				
			\vdash		_	
41	9-Oct			collections		
			-			Target change:
	10-Oct					piston checks
			_			
	11-Oct					
	12-Oct					
	12-00					
				Target change: CaO-VD7 no 518, no O2, sep setup		
	13-Oct			no 518, no O2, sep setup stable beam to IDS		
			\vdash	p-scan		1
	14-Oct			yleld checks		
		Injector MD	\vdash	IDS		
	15-Oct	Injector MD		IS476, IS577, 31Ar		
			—	4.5		
42	16-Oct			IDS IS476, IS577, 31Ar		
1.2			L	7.5		
	17-Oct			IS476, IS577		
	17-OCE			10.5		
				IS476, IS577		
	18-Oct			12.5		
			\vdash	13.5 IS476, IS577	_	
	19-Oct		l			
\vdash				16.5 IDS		sep setup
1	-	I	ı	100	1	och ocmb

ISOLDE schedule – part 2



ISOLDE schedule – summary

	3-Dec	Injector MD Injector MD	IDS, Cs	7.5		
49	4-Dec		IDS	10.5		Target change: UC-Ta-conv #528
	5-Dec		IDS			separator setup
		 	IDS	13.5		
	6-Dec			16.5		
	7-Dec		IDS	19.5		
	8-Dec		VITO - In	3		ISCOOL setup
	9-Dec		surf collections - Fr, Rb GLM, IS589 - 210Fr GLM< 83Rb - ALICE			p-scan yield checks
	10-Dec	Injector MD Injector MD	IS589 - 210Fr 83Rb - ALICE		Zn?	tbc
50	11-Dec		surface sources?			physics 1.5
	12-Dec		surface sources?		Zn?	COLLAPS tbc
	13-Dec		cooling			IS519
	14-Dec	proton stop	cooling			18519

- Very difficult start-up
 - Still debugging in the online period
- HRS piston problem
- HRS multipoles on no beam
- B508 delayed CRIS, COLLAPS, SSP
- Policy: give some beam to every group
- => many changes to the schedule
- Some nice physics in spite of problems
- Rare-earth collections of medical isotopes for PSI, Denmark, Lausanne
- ISOLTRAP: mass of 130-132Cd 2/3 of programme in 1/3 of time, no Cs contasmination
- 206Hg for IDS reasonable transmission
- The TATRA setup from Bratislava new ISOLDE group and setup
- Solid-state studies with molten Pb and Sn targets
- In-source spectroscopy of At WINDMILL and ISOLTRAP
- 11Li for Caen and Madrid groups 1000 ions/s for > week, neutron detectors at LA1
- 31Ar at IDS, 1-2 ions/s for > week, target survived CERN-wide 3h power cut
- TISD: boron beams, molten salt, ...



Proton schedule 2015

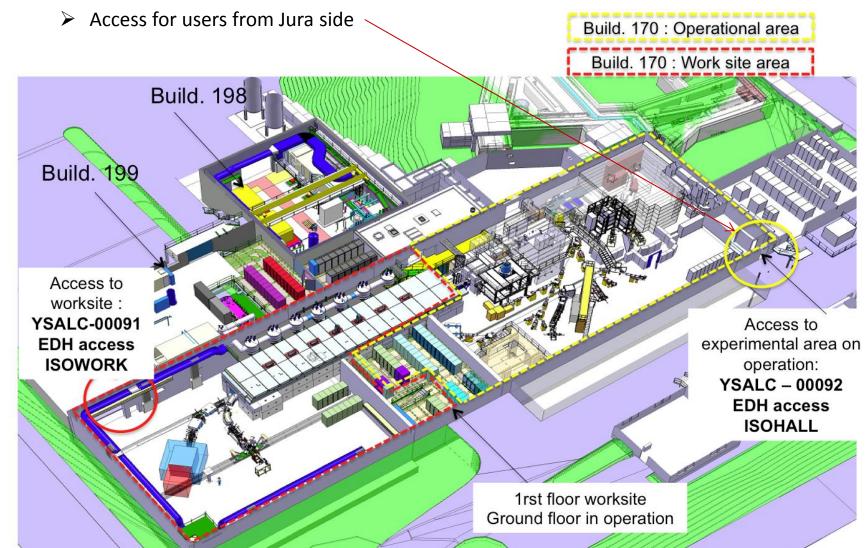
- First protons: around April 5
- First physics: hopefully mid-April
- Stop: mid-November or mid-December



Access to ISOLDE

From beginning of July:

Access to HIE-ISOLDE worksite: only local physicists when moving equipment



Access to ISOLDE

Users requesting dosimeter after Jul 1st: (www.cern.ch/isolde/get-access-isolde-facility)

- No temporary dosimeters possible
- To obtain dosimeter:
 - Follow online courses on general safety (as before)
 - Follow online RP course on Supervised Areas (as before)
 - Follow ISOLDE online RP course NEW, no complaints until now
 - Present RP form signed by home institute NEW, only 1 complaint until now
- To access ISOLDE:
 - Follow 2-h RP ISOLDE practical course NEW (2pm Tue, Fri, no complaints until now)
 - Follow online electrical awareness course NEW

CERN staff requesting dosimeters: as before (online courses + 1-day course)

Users and staff with valid dosimeters:

- After July 1st: Follow ISOLDE online RP and electrical awareness course
- Follow new procedure when present medical certificate expires

Access to ISOLDE via dosimeter (once tourniquet behind ISOLDE is ready), until then – with CERN card



Safety at ISOLDE

- 3 electrical incidents this year safety teams looking closely
- Safety contacts at ISOLDE
 - General safety aspects, travelling experiments GLIMOS (me)
 - For fixed-setups: Safety person for every aspect assigned -> CERN courses have to be followed
- Do not perform tasks for which you are not trained or at least briefed
 - Connecting electronics and cabling (before powering up)— no problem
 - Work with open circuits -> CERN "habilitation electrique" (2-day course) needed
 - Filling LN2 use cryo gloves and safety glasses, get a briefing from the local cryosafety person
- Electronics tests electronics lab in b275, detector lab to come in b508



When at ISOLDE - practicalities

- Toolbox for (mostly) travelling experiments refilled:
 - Mechanical tools
 - Safety equipment: glasses, cryo-gloves, LN2 tubes, electrical insulating gloves and mat
 - ➤ Ask before taking tools of other experiments
- Mechanical workshop
 - > Soon in b508
 - Before self-service workshop in Prevessin contact Ramon Folch
- Make sure that other respect safety rules:
 - ➤ E.g. HIE-ISOLDE workers closing the SAS door and the door to the worksite
 - E.g. users filling LN2 in flip-flops



b508

Hand-over meetings:

- ➤ Civil engineering and cooling&ventillations last week; points to be resolved identified
- Electricity this Wednesday
- Safety to be scheduled

Remaining:

- Closed cooling water system
- Vacuum gas exhaust
- Opening for SSP gases and fume cupboard

Move in

- Laser tables for COLLAPS and CRIS this week
- CRIS laser setup by a technician next week
- Proper move of all users January







