20170427 STATUS REPORT

Ahram lee

12bar test with 2trig
Time resolution summary

bar#	Resolution[ps]	bar#	Resolution[ps]	
1	96	7	78	
2	87	8	98	
3	124	9	96	
4	77	10	83	
5	99	11	83	
6	100	12	81	

Cables & connectors

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Thomas cable – sent e-mail a week ago ...

A-tech (from IBS)

Elkoh engineering

(SHV – RG59 – SHV) x 100, 10m

(BNC – RG58 – SMA) x 100, 10m
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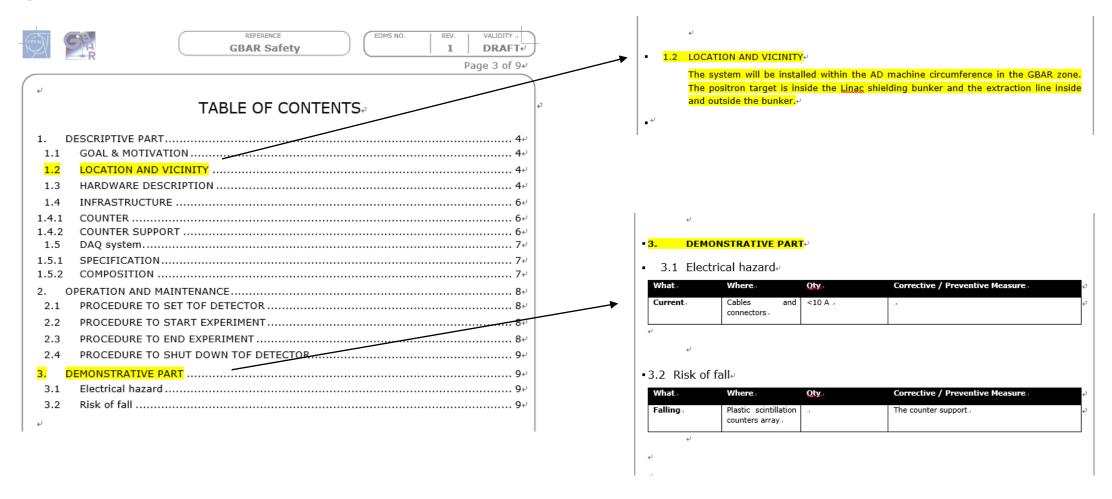
NexansKorea – in contact SHV x200, SMA x100, BNC x 100 RG58, RG59 2km each

CERN stores

no problem to send CEA, Sacley but to Seoul...?

	<connector &="" ass'y="" cable=""></connector>						
pos.	품명 및규격	단위	수량	ļ	단 가		공 급 가 액
	*Halogen free coaxial cable						
1	RG59 10M ass'y/w SHV-SHV	ea	100	₩	109,000	₩	10,900,000
2	RG58 10M ass'y/w BNC-SMA 플러그	"	100	₩	56,000	₩	5,600,000

Documents SafetyFile



Documents PPSPS

1- REQUIREMENTS.

CERN Team: GBAR collaboration

DESCRIPTION OF THE TASK TO BE CARRIED OUT.

Installation on the antiproton electrostatic decelerator in the CERN AD Hall (B.193) for the GBAR (AD-7) experiment. This PPSPS covers the installation of all the decelerator equipment

Period of execution₽	Effective₁
Start Date: 03 April 2017a	Average: 10 weeks.
Completion Date: 18 August 2017.	Maximum: 20 weeks.

AD hall ELENA LNE50 beamline.

Authorisation to start work given on:

2- THE ORGANISATION FOR THE APPLICATION OF THE OVERALL PROCEDURE

a	Recipient of the overall procedure	Mobile.
Project Engineer: Patrice Perez	X.,	л
Technical Co-ordinator: Giuseppe Mornacchi	X.1	163564 (+41 75 411 3564).
Installation Project Engineer: Jean-Yves Roussé	X.1	л

PERSONS CONCERNED BY THE OVERALL HEALTH AND SAFETY PROTECTION PLAN - External +

Intervenants ²	Name₊	Tel.₽
EP DSO₽	O. Beltramello	160171 (+41 75 411 0171) ₂
EP ADSO	A. Desmarest	168488 (+41 75 411 8488) ₄
HSE correspondent	C. Arregui₽	166527 (+41 75 411 6527) ₄
TSO 4	B. Lefort	165954 (+41 75 411 5954)

4- CERN OR INSTITUTE EMPLOYEE INFORMATION

List of pe	rsons who exect	ites the work					_
Name/Sum	Discipline.		Person with	Special	Specific	Access right	ŀ
ame.	_	Authorizations	competent	Medical	habilitation	_	ı
			First Aid	Surveillance	(electric, work		l
			Skills (Y).	(Y/N).	at height).		l
Audic HUSSON.	scientist.	л	N.,	N.a	electric _a	AD Hall	1
Hervé LEFORT	engineer.	а	N.,	N.,	л	а	1
David LUNNEY	scientist.	a	N.,	N.,	electric.	AD Hall,].
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WORK SUPERVISOR: PATRICE PEREZ FOR ALL THE INSTALLATION.

Documents PPSPS

'5- DECELERATOR INSTALLATION PROCEDURE

1. Introduction:

The antiproton decelerator will be installed in the GBAR experimental zone, after the ELENA beamline LNE50, located in AD hall B.193 (see Figure 1).

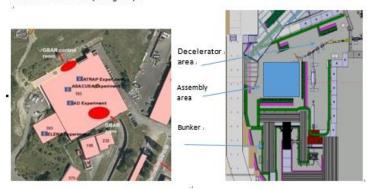
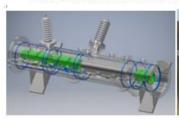


Figure 1: GBAR experiment in ELENA hall in Building 193 at CERN...

The main components of the GBAR decelerator are listed, described and illustrated below (an image of the ensemble is shown in Fig. 2):

- Decelerator-electrode chamber: houses a series of cylindrical electrodes with high-voltage feedthroughs.





Work to be carried out: 1. Tran experimental area Responsible: D. Lunney	Form N° 01. Written by: D. Lunney.
Work to be carried out.	Transport and management and delivery of boxes with decelerator components from storage location to entrance of experimental hall
Risks a	Dropping boxes during loading or unloading Damaging transported element during unpacking process Team personnel can be injured/smashed by transported box Small injuries during unloading of the boxes
Preventive Actions a Measures to be taken.	Special sign on boxes "Lift Here" Weight and content descriptions on documents sticking on boxes Using protective clothing, safety shoes helmets, dosimeter and gloves Delimitation of an area in case crane operation is necessary Only trained people can enter on it.
Personnel in charge of the realisation.	EN-HE is in charge of the transport. Audric Husson. Hervé Lefort. David Lunney.
Materials to be used a	Lifting belts and ropes