

LIME-END
Top View
Scale 1:2

488 Catod-GEM dist.

Pitch 14

3

5

4

10

4

7

A

330

CATHODE

3

100

GIN
Front view
Scale: 1:1

5

4

Pitch 14

10

4

COILS (17x)

B

7

20

250 Catod-GEM dist.

248

256

4

4

Detail B
Scale: 2:1

(5)

7

2

2

2.5-4.5

Glass pos.

GEM - GLASS SPACERS

GEM - GLASS SUPPORT

GLASS (1x)

GEM (3x)

4

2.5

LIME FIELD CAGE:

34 COILS x 14 mm (PITCH) = 476 mm

CATHODE POSITION = 5+4 = 9 mm

FIRST GEM POSITION = 1+2 = 3 mm

DISTANCE GEM - CATHODE = 476+9+3=488 mm

Coil-GEM dist: 7

10

8

2

2

2

2

2

1

4

10

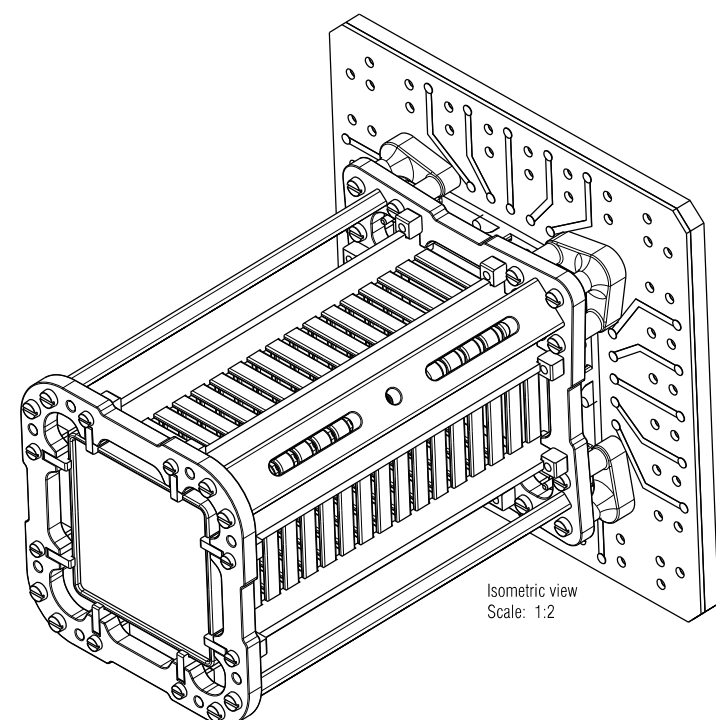
4




Detail A
Scale: 2:1

14

12

(PITCH)



General tolerance ISO 2768-mK-E		Geometrical tolerance ISO 8015-E		Roughness ISO 1302				
 <div>NATIONAL INSTITUTE FOR NUCLEAR PHYSICS FRASCATI NATIONAL LAB RESEARCH DIVISION - SEM</div>		SIZE A1		REVISION	DATE	NAME		
					DATE	NAME		
					DATE	NAME		
					DATE	NAME		
				TOTAL WEIGHT (kg)			DATE	DRAWN
				SCALE	04/06/2021		C.Capoccia	
				1:1			CHECKED	
				SHEET	DATE	APPROVED		
1/1								
CYGNO EXPERIMENT FIELD CAGE LIME -> GIN FIELD CAGE SCHEME			LIME-GIN					