Galileo

F. Recchia
D. Mengoni, J.J. Valiente Dobon
on behalf of the Galileo collaboration

GALILEO phase I
winter 15 – spring 16

- Campaign 10/2015 – 6/2016
  - **11 runs** - 70 days
- Topics
  - Isospin symmetry
  - Shape coexistence
  - Shell evolution by lifetimes and Coulex
  - Isomix
- Analyses still ongoing
  - One publication submitted

GALILEO phase I
winter 16 – spring 17

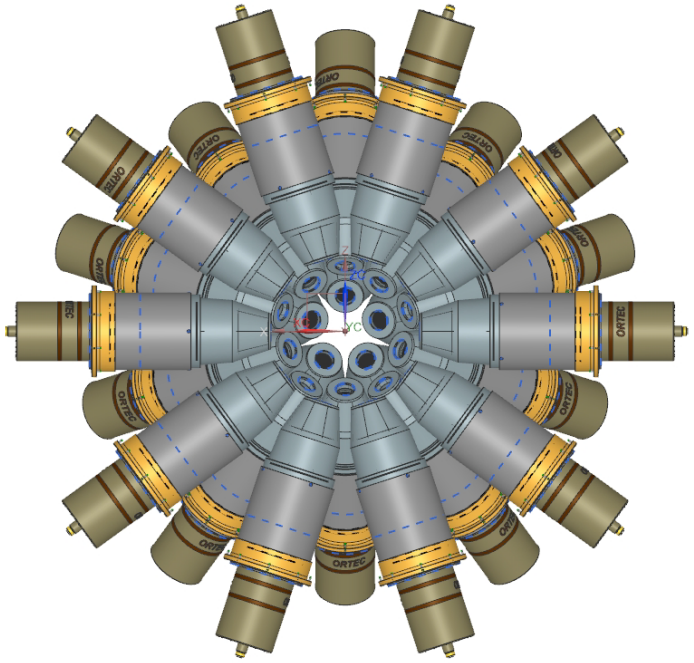
- Campaign 12/2016 – **3**/2017
  - **3 runs** - 21 days
- Topics
  - Octupole deformation in Ra region
  - Wobbling bands
- Analyses started
  - Galileo workshop 20-22 September 2017

GALILEO phase I
winter 17 – spring 18

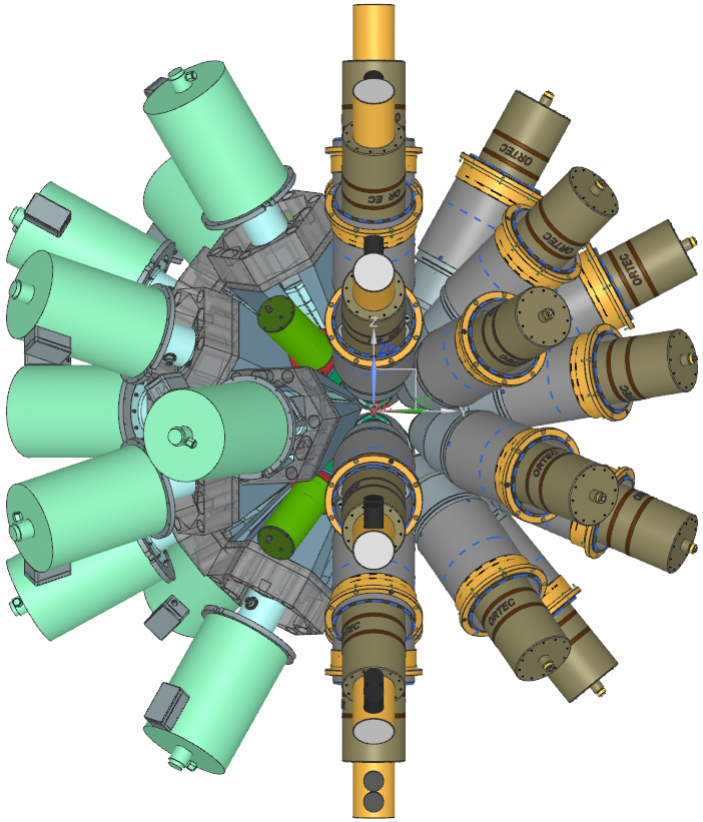
- Campaign 12/2017 –
  - **1 run** – 8 days
  - (2 runs – 9 days)
- Topics:
  - Octupole deformation
  - Shell structure by Coulex
- Drop out:
  - 2 experiments requiring NWALL: 20 days
  - No PAC calls in 2017
  - Shutdown in 2018

GALILEO phase II
2019-

25 crystals



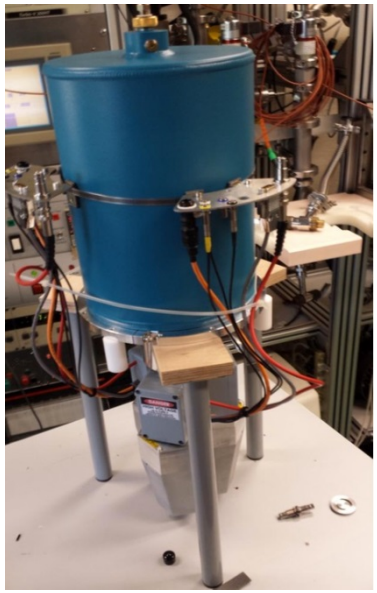
55 crystals

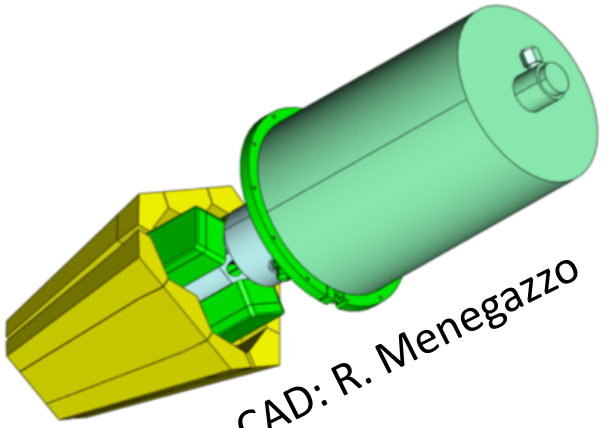


Simulations by A. Goasduff

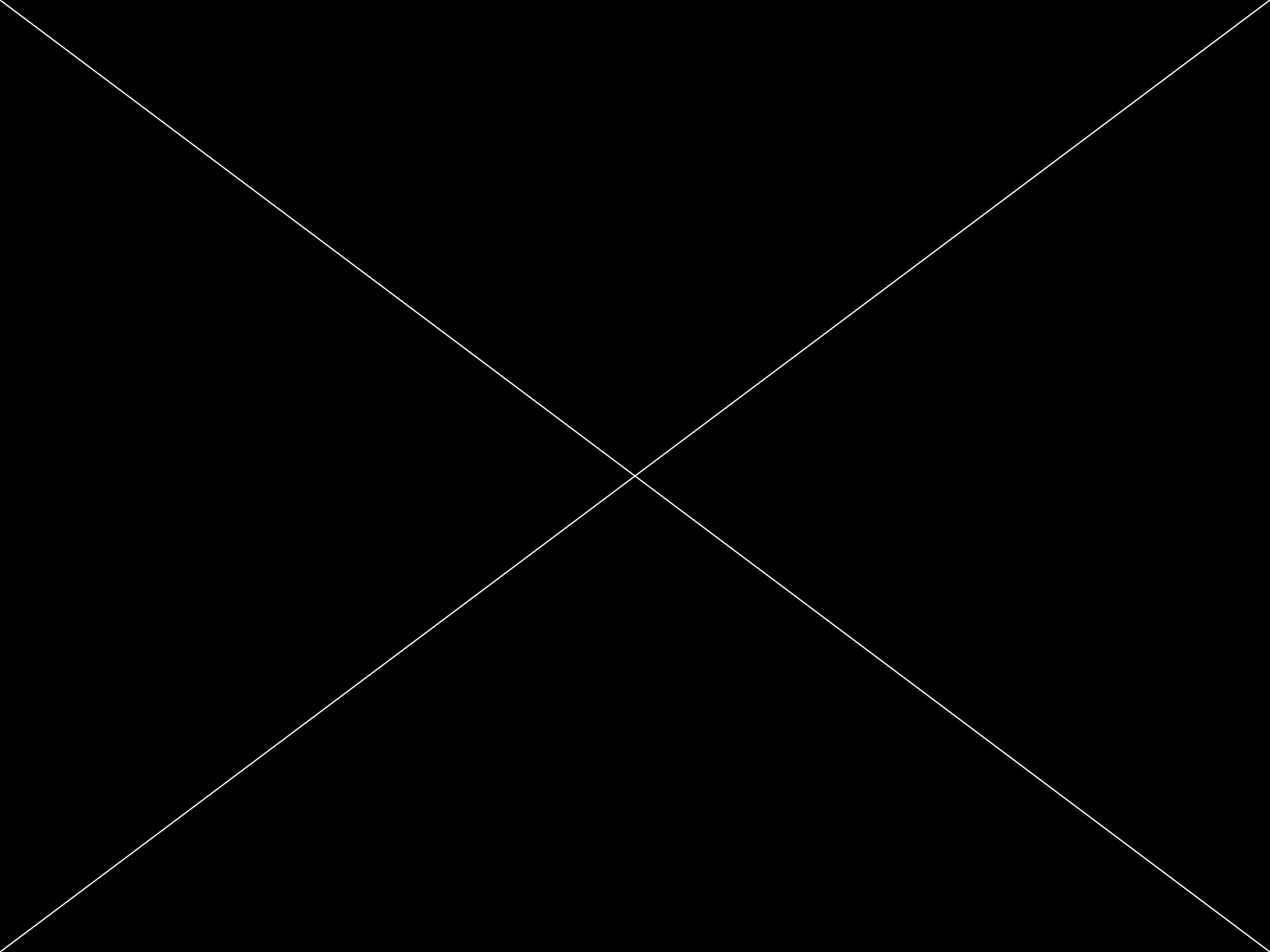
GALILEO phase II

	2017		2018			2019			
	Q4		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Physics Campaign Phase I										
Shutdown										
Mechanics phase II installation										
Ge capsules test										
Triple Cryostats series delivery										
Triple AC prototype										
Triple AC series delivery										
Physics Campaign Phase I --> II										





CAD: R. Menegazzo



BACKUP

	C	D	E	F	G	H	I	J	K	L
1										
2	SPOKESMAN	SET-UP	ACCELERATOR	BEAM	E (MeV)	i (pnA)	pulsed	DAYS	BEAM	
3							continuous		Preparation	date
4										
5	Valiente/Recchia/Mengoni	GALILEO	TANDEM	32S	80	1-2		5		
6										
7	Goasduff Alain	GALILEO	TANDEM	82Se	250	max		7		
8	Mengoni Daniele	GALILEO	TANDEM	58Ni	220	2		7		
9										
10	C.Andreoiu	GALILEO	TANDEM	24Mg	70	10	continuous	7	2	10/15
11	J.F.Smith/G.Jaworski	GALILEO	TANDEM+ALPI	58Ni	230-250	10	continuous	5	1	12/15
12	P.R.John/M.Siciliano	GALILEO	PIAVE+ALPI	40Ar	180-205	2	continuous	5	2	3/16
13	C.Fransen/A.Goasduff	GALILEO	TANDEM	36S	167	3	continuous	4	0	2/16
14	D.Mengoni/V.Modamio	GALILEO	TANDEM	12C	50	5	pulsed	5	1	10/15
15	A.Boso/S.Lenzi/F.Recchia	GALILEO	TANDEM	12C	50	10	pulsed	9	1	3/16
16										
17	D. Testov	GALILEO	TANDEM	58Ni	250	5	continuous	7	0	12/16
18	A. Gadea/J.J. Valiente-Dobon	GALILEO	TANDEM	64Zn	265	6	continuous	8	0	
19	H. Zhang	GALILEO	TANDEM	6Li	17-40	2-20	continuous	2	0	6/16
20	S. Ceruti/A. Mentana/M. Ciemala	GALILEO	TANDEM	32S	75-86-98	2	pulsed	12	2	6/16
21				11B	45	2	continuous	1	0	
22	V. Modamio	GALILEO	TANDEM	64Zn	195	5	continuous	5	0	7/16
23	K. Hadynska-Klek/M. Rocchini	GALILEO	TANDEM	66Zn	240	1	continuous	4	0	7/16
24	S. Leoni/B. Fornal	GALILEO	TANDEM	37Cl	196	1	continuous	2	0	7/16
25	A.Gadea/J.J.Valiente-	GALILEO	TANDEM	54Fe	250	2.5	continuous	9	1	
26	C.Petrache	GALILEO	TANDEM	13C	65	5	continuous	7	0	3/17
27	J. Smith/D. Mengoni	GALILEO	TANDEM	16O	90	10	continuous	7	0	3/17
28										
29	H.Q.Zhang/G.L.Zhang	GALILEO	TANDEM	6Li	28-40	0.2-1.0	continuous	5	0	
30	M.Doncel/B.Cederwall	GALILEO	TANDEM	40Ca	150	5	continuous	7	3	
31	D.Doherty/M.Rocchini/M.Zielinska	GALILEO	TANDEM+ALPI	94Zr	370	1	continuous	4	2	
32										