

WP16: Overview

Intense, RF Modulated Electron Beam (for application in electron lenses)

Task	Name	Participants	Task Leader
16.1	Coordination	GSI	David Ondreka
16.2	System Integration	GSI, IAP	(Kathrin Schulte) David Ondreka
16.3	Electron Gun and Power Modulator	IAP, RTU	(Kathrin Schulte) Martin Droba
16.4	Test Stand and Beam Diagnostics	CERN, GSI	Adriana Rossi

WP16: Milestones as in Annex 1

Milestone number¹⁸	Milestone title	Lead beneficiary	Due Date (in months)	Means of verification
MS53	Conceptual layout of electron gun and power modulator completed (Task 16.3)	15 - IAP	18	Report to StCom
MS54	Design of test stand and beam diagnostics completed (Task 16.4)	1 - CERN	24	Report to StCom
MS55	Conceptual design of integrated set-up completed (Task 16.2)	12 - GSI	24	Report to StCom
MS56	Engineering design of electron gun and power modulator completed (Task 16.3)	15 - IAP	27	Report to StCom

WP16: Deliverables as in Annex 1

Deliverable Number¹⁴	Deliverable Title	WP number⁹	Lead beneficiary	Type¹⁵	Dissemination level¹⁶	Due Date (in months)¹⁷
D16.1	Electron beam dynamics studies	WP16	12 - GSI	Report	Public	24
D16.2	Manufacturing of electron gun and power modulator completed	WP16	15 - IAP	Demonstrator	Public	36
D16.3	Tests of electron gun at test stand completed	WP16	1 - CERN	Demonstrator	Public	46

WP16: Milestones and Deliverables (Overview)

Code	Task	Resp.	Milestone	Type	Due/m	Due/date
MS53	16.3	IAP	Conceptual layout of gun and modulator completed	Report to SC	18	31.10.2018
MS54	16.4	CERN	Design of test stand and beam diagnostics	Report to SC	24	30.04.2019
MS55	16.2	GSI	Conceptual design of integrated set-up completed	Report to SC	(24) 40	(30.04.2019) 31.08.2020
MS56	16.3	IAP	Engineering design of gun and modulator completed	Report to SC	(27) 30	(31.07.2019) 31.10.2019
MS57	16.4	CERN	Assembly of test stand with diagnostics completed	Report to SC	42	31.10.2020

Code	Task	Resp.	Deliverable	Type	Due/m	Due/date
D16.1	16.3	GSI	Electron beam dynamics studies	Report	(24) 30	(30.04.2019) 31.10.2019
D16.2	16.3	IAP	Gun and modulator	Demonstrator	36	30.04.2020
D16.3	16.4	CERN	Test stand and gun tests	Demonstrator	46	28.02.2021

WP16: ARIES Time Schedule

Month	End Date
6	31.10.2018
12	30.04.2018
18	31.10.2018
24	30.04.2019
27	31.07.2019
30	31.10.2020
36	30.04.2020
42	31.10.2020
46	28.02.2021
48	30.04.2021

Month	Start Date
1	01.05.2017
7	01.11.2018
13	01.05.2018
19	01.11.2018
25	01.05.2019
31	01.11.2019
37	01.05.2020
43	01.11.2020